

Empa Activities 2019

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Empa Activities 2019

Awards

General Management	Richner Peter/Largo Reto/Marchesi Enrico/Niesen Björn/Dransfeld Peter/Larsen Tove Watt d'Or 2019. Bundesamt für Energie
	Richner Peter/Gramazio Fabio/Kohler Matthias/Largo Reto/Larsen Tove/Schwartz Joseph 3. Building Award 2019, Kategorie Forschung und Entwicklung. Schweizerische Stiftung zur Förderung des Ingenieurwachstums im Bauwesen, bildung
	Meier Urs Global SAMPE Fellow Award. SAMPE, Society for the Advancement of Material and Process Engineering
Acoustics/Noise Control	Tallarico Domenico Grant for covering costs associated with participation to 2 nd Symposium on Acoustic Metamaterials. COST Action: CA15125
Advanced Analytical Technologies	Billeter Emanuel LightChEC Travel Award 2019. University of Zürich
	Bleiner Davide The Power List 2019 for Analytical Science. World Ranking of Top 100 in the field. The Analytical Scientist
	Driesen Charlotte/Bogdal Christian/Nowack Bernd/Scheringer Martin/Hess Hans Dieter/Zennegg Markus Award for the Best Oral Presentation. Empa PhD Students' Symposium 2018
	Driesen Charlotte/Zennegg Markus/Lerch Sylvain DAS Young Analytical Scientist Travel Award 2019. Swiss Chemical Society
	Knobloch Marco Diplompreis. Schweizerischer Verband diplomierter Chemiker FH (SVC)
	Terreni Jasmin/Borgschulte Andreas Award for the Best Talk. CMSZH Graduate School UZH
	Bülbül Ezgi Best Poster Award. 24 th International Symposium on Plasma Chemistry, Naples, IT
Advanced Fibers	Bülbül Ezgi Graduate Student Award. European Materials Research Society (E-MRS) Spring Meeting 2019, Nice, FR
	Jakubowski Konrad First place in the graduate student paper competition. The Fiber Society Fall Conference, Austin, Texas, US
	Shevchik Sergey/Le Quang Tri/Wasmer Kilian Best oral presentation. World Congress on Artificial Intelligence and Machine Learning; Valencia Spain
Advanced Materials Processing	Dimopoulos Eggenschwiler Panayotis/Santoliquido Oscar/Bianchi Giovanni/Ortona Alberto Top 20 Downloaded article. Wiley
Automotive Powertrain Technologies	Fei Pan Swiss Vacuum Preis 2018 – award for master thesis. Swiss Vacuum Society
Biointerfaces	Rottmar Markus/Müller Eike/Ronco María Fernández/Abad Sergio Diaz/Tobler Ursina/von Rechenberg Brigitte/Ren Brigitte/Nuss Katja/Maniura Katharina FSK-Innovationspreis. FSK – Fachverband Schaumkunststoffe und Polyurethane e. V.
	Valentin Jules/Ravikumarvaradarajan Adithi/Ahrens Christian/van der Mei Henny/Ren Qun Best poster prize. 2019 eCM XIX: Orthopaedic Infection
	Watts Samuel/Julian T./Graule T./Maniura K./Salentinig S. Best poster prize. HERCULES European School, Grenoble, France
Biomimetic Membranes and Textiles	Eggenberger Patrick Theodor Naegeli-Preis 2019. Theodor Naegeli-Stiftung
Building Energy Materials and Components	Civioc Romain ArtSci 2019 Hémisphères. ETH Zurich

Building Energy Materials and Components	Civloc Romain Sol-Gel Science Slam, 2nd prize. ITMO University in St Petersburg
	Ganobjak Michal/Sivaraman Deeptanshu ArtSci 2019, Thank you Prize. ETH Zurich
	Sivaraman Deeptanshu/Ganobjak Michal ArtSci 2019, Thank you price. ETH Zurich
Cellulose & Wood Materials	Adobes Vidal Maria Poster Prize XV Cell Wall Meeting. Scientific committee XV Cell Wall meeting and Elsevier
	Aeby Xavier Zanelli Prize. EPF Lausanne
	Aeby Xavier Etat du Vaud Prize. EPF Lausanne
	De France Kevin TAPPI Nano Student Award. TAPPI
Cellulose & Wood Materials/ Biomimetic Membranes and Textiles	Kalač Tine /Chandrima Shrivastava Most Innovative Business Idea. Startup Campus & Startfeld
	Shakoorioskooie Mahdieh Best poster award. ICTMS 2019, Cairns, AU
Center for X-ray Analytics	Franzoni Elisa/Leemann Andreas/Griffa Michele/Lura Pietro Prof. Luca Bertolini Memorial Award 2019. American Concrete Institute, Italy Chapter
	German Alexander/Winnefeld Frank/Lura Pietro 3 rd Poster Award. GDCh, Fachgruppe Bauchemie
	Lura Pietro RILEM Fellow. RILEM
	Shakoorioskooie Mahdieh/Leemann Andreas/Griffa Michele/Zboray Robert/Lura Pietro Best Student Poster Award. International Association of Computed Tomography (IntACT), https://www.intact-tomo.org/
	Diethelm Matthias/Penninck Lieven/Altazin Stéphane/Hiestand Roman/Kirsch Christoph/Ruhstaller Beat The Paper of the Year 2019 in Journal of Information Display. The Korean Information Display Society
	Opris Dorina EuroEAP Society award. Ninth international conference on EAP Dresden, DE
Concrete/Construction Chemistry	Strassel Karen Best Poster Award. Wiley-VCH, Interfaces in Organic and Hybrid Thin-Film Optoelectronics Meeting 2019
	Strassel Karen Student Poster Award. LOPEC 2019 Scientific Conference
	Zhang Chuanfang (John) Top 10 Chinese Talents in Science and Technology in Europe. Federation of Chinese Professional Associations in Europe
	Bienenstein Daniel Hans-Walter-Hennicke Preis. DKG: 94. Jahrestagung, DACH-Symposium Hochleistungskeramik
	ElsenerHansruedi Certificate of Merit. Award Committee of Löt, 12 th International Conference on Brazing, Aachen
	Janczak-Rusch Jolanta/Lin L./Cancellieri C./Chiodi M./Siol S./Jeurgens L.P.H. Best Poster Award. Werkstofftechnisches Kolloquium WTK, 21st Materials Science Colloquium in Chemnitz
Functional Polymers	Siol Sebastian/Beall C./Ott N./Döbeli M./Tilley S. D./Jeurgens L.P.H./Schmutz P./Cancellieri C. Poster prize. European Materials Research Society (E-MRS)
	Siol Sebastian/Beall C./Ott N./Tilley S. D./Unutulmazsoy Y./Schmutz P./Jeurgens L.P.H./Cancellieri C. 2. Preis des SAOG Poster Prize 2019. SAOG Schweiz. Arbeitsgemeinschaft Oberflächen und Grenzflächen
	Mairena Anaïs Annual Award for the dissertation. Faculty of Science of the University of Zurich
High Performance Ceramics	
Joining Technologies and Corrosion	
Magnetic and Functional Thin Films	

**Materials and
Technology Center of Robotics
Materials for Energy
Conversion**

Kovac Mirko
Best poster award (from 89 papers). International Symposium on Adaptive Motion of Animals and Machines (AMAM 2019)

Asakura Ryo
Chemistry Travel Award. Swiss Academy of Sciences and Swiss Chemical Society, Bern, Switzerland

Asakura Ryo
Travel Award. International Society for Solid State Ionics, PyeongChang, Korea, 2019

Duchêne Léo
Chemistry Travel Award. Swiss Academy of Sciences and Swiss Chemical Society, Bern, Switzerland

Duchêne Léo
ECS "Battery Division Student Research Award" 2019 ECS, Atlanta, US

Duchêne Léo
E-MRS 1st Poster Prize. 2019 E-MRS, Warsaw, PL

Duchêne Léo
E-MRS Graduate Student Award. 2019 E-MRS, Nice, FR

Pagani Francesco
Outstanding Poster Award. 2nd Swiss & Surrounding Battery Days, Empa Dübendorf, Switzerland

Reber David
Participation Global Young Scientist Summit. EPF Lausanne

**Mechanics of Materials
and Nanostructures
nanotech@surfaces**

Ramachandramoorthy Rajaprakash/Schwiedrzik Jakob/Petho Laszlo/Frey Damian/Bregeut Jean-Marc/Michler Johann
Best Poster Award. Gordon Research Conference – Thin Film and Small Scale Mechanical Behavior

Mishra Shantanu
Empa Research Prize. Empa

Popoff Youri
2nd prize 3-minutes thesis presentation competition. Fall MRS, Warsaw, PL

NEST TEAM

Watt d'Or 2019: Spezialpreis "Transition." Bundesamt für Energie

Building Award 2019: Kategorie Forschung und Entwicklung. Schweizerische Stiftung zur Förderung des Ingenieurwachstums im Bauwesen, bilding.

beyond bauhaus – prototyping the future. Initiative «Deutschland – Land der Ideen»

**Particles-Biology
Interactions**

Batbajar Battuja
2nd Posterprice. Swiss Society of Toxicology

Matter Tino
Graduate Student Award: 2nd prize. American Institute of Chemical Engineering

Structural Engineering

Czaderski Christoph/Moshiri Niloufar/Hosseini Ardalán/Mostofinejad D./Motavalli Masoud
Second Place of Best Paper / Mirko Ros Award / SMAR 2019 / BAM / Empa

Czaderski Christoph/Shahverdi Moslem
Building Award 2019 / Auszeichnung für den Ingenieur am Bau (Kategorie Forschung und Entwicklung)
Building-Award, 4562 Biberist / KKL Luzern

Izadi Mohammadreza/Motavalli Masoud/Ghafoori Elyas
Best Paper / Mirko Ros Award. SMAR 2019 / BAM /Empa

**Surface Science and
Coating Technologies**

Cebrat Aleksandra
J. Groszkowski 1st Prize for the best master thesis in 2018/2019. Polish Vacuum Society

Srivastava Gitika
Chemical and Molecular Science Travel Award for participation of the Gordon Research Conference and Seminar 2019
University of Zurich sponsored by Hans E. Schmid Stiftung,

Technology and Society

Kawecki-Wenger Delphine/Nowack Bernd
BASF Advanced Materials Poster Award. BASF/Empa PhD Student' Symposium 2018

Nowack Bernd
Listed in "Highly cited researchers, 2018", Clarivate Analytics. Clarivate Analytics

Technology and Society

Restrepo Eliette

Best Student's Paper Award. International Society for Industrial Ecology

Roca Puigros Marta/Müller Daniel

Best Oral Presentation. International Society for Industrial Ecology (ISIE)

Toledo Lorena/Widmer Rolf/Groux Olivier

Best scientific poster award. WRF (World Resources Forum)

Wehrli Andrea/Gasser Michael

ETH Umweltalumni Preis. ETH Umweltalumni

Wehrli Andrea/Gasser Michael

The Swiss Youth and Future Prize – Coer de Publique. Direktion für Entwicklung und Zusammenarbeit DEZA

Thin Films and Photovoltaics

Bolat Sami

IEEE Electron Devices Society PhD Student Fellowship. IEEE Electron Devices Society

Fu Fan

ETH Medal. ETH Zürich

Gilshstein Evgeniia

Best Poster Prize. Swiss e-print

Gilshstein Evgeniia/Clemens Frank/Graule Thomas/Wu Hui/Tiwari Ayodhya N./Romanyuk Yaroslav

Best poster award. iPrint Institute, Swiss e-Print Conference

Kovalenko Maksym

Rössler Preis 2019. ETH Zürich Foundation – Stiftung Max Rössler

Transport at Nanoscale Interfaces

Braun Oliver

1st place oral presentation award. Empa PhD-Students' Symposium

Jacob Peter

Outstanding Paper Award. ESD Forum Dresden

Empa Activities 2019

PhD Theses

Acoustics/Noise Control

Athari Sahand

Acoustic potential of design measures in street canyons
Supervisor: Girot Christoph
Co-Supervisor: Heutschi Kurt
ETH Zurich, Landscape Architecture ◆

Gisladottir Arnthrudur

Framework for the integration of sound related factors in the urban planning and design practice
Supervisor: Kirkegaard Poul Henning
Co-Supervisor: Taghipour Armin
Aarhus University, DK, Dept. of Engineering, Aarhus, DK ◆

Schmied Jascha

Multi-Field Metamaterial Damping
Supervisor: Ermanni Paolo
Co-Supervisor: Bergamini Andrea
ETH Zurich, Laboratory of Composite Materials and Adaptive Structures ◆

Testoni Oleg

4D Printed smart panels for morphing applications
Supervisor: Ermanni Paolo
Co-Supervisor: Bergamini Andrea
ETH Zurich, Institute of Design, Materials and Fabrication ◆

Advanced Analytical Technologies

Barbato Francesco

In-Line Phase-Contrast Imaging of Laser-Driven Shock-Waves in Polystyrene using a Laser-PLasma Source
Supervisor: Bleiner Davide
Co-Supervisor: Bleiner Davide
Uni ZH, Dept. of Chemistry ○

Billeter Emanuel

Ultra-High Pressure Hydride X-ray Photoelectron Spectroscopy
Supervisor: Borgschulte Andreas
Co-Supervisor: Borgschulte Andreas
Uni ZH, Dept. of Chemistry ◆

Drdova Sarka

VOC degradation by photocatalysts
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zurich, Institute of Environmental Engineering ◆

Driesen Charlotte

Transgenerational fate of persistent organic pollutants in cattle
Supervisor: Ulbrich Susanne
Co-Supervisor: Zennegg Markus
ETH Zurich, Animal Physiology ◆

Hammer Tobias

Nanomaterial risks
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zurich, Institute of Environmental Engineering ◆

Hemani Yousuf

Chirped-Pulse Amplification for Tabletop X-ray Laser Spectroscopy
Supervisor: Bleiner Davide
Co-Supervisor: Bleiner Davide
Uni ZH, Dept. of Chemistry ◆

Jiang Fuze

Novel fibrous materials for air quality
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zurich, Institute of Environmental Engineering ◆

Kammermann Thomas

Optical Diagnostics of Ignition and early flame kernel formation in pre-mixed hydrogen-enriched methane-air flames
Supervisor: Boulouchos Kostas
Co-Supervisor: Bleiner Davide

Advanced Analytical Technologies

Knobloch Marco

Environmental Mass Spectrometry of Mid/Long Chain Chloroparaffins
Supervisor: Bleiner Davide
Co-Supervisor: Heeb Norbert
Uni ZH, Dept. of Chemistry ◆

Netkueakul Woranan

Risk assessment of graphene based materials
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zurich, Institute of Environmental Engineering ◆

Qu Di

Nanoablation of materials by means of Extreme Ultraviolet Radiation
Supervisor: Bleiner Davide
Co-Supervisor: Bleiner Davide
Uni ZH, Dept. of Chemistry ◆

Sambalova Olga

Magneto-electrochemical analysis for renewable energy conversion
Supervisor: Borgschulte Andreas
Co-Supervisor: Borgschulte Andreas
Uni ZH, Dept. of Chemistry ◆

Schinkel Lena

New Analytical Methods for Investigating the Fate of Chlorinated Paraffins and Their Transformation Products
Supervisor: McNeill Christopher
Co-Supervisor: Heeb Norbert
ETH Zurich, Biogeochemistry and Pollutant Dynamics ○

Schmitt Jean

Engineering of 3D micro-structures for air quality
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zurich, Institute of Environmental Engineering ◆

Terreni Jasmin

Mimicking the natural CO₂ fixation and reduction reactions for Renewable Energy Storage
Supervisor: Borgschulte Andreas
Co-Supervisor: Borgschulte Andreas
Uni ZH, Dept. of Chemistry ◆

Zhao Yibo

Functional fibrous materials
Supervisor: Wang Jing
Co-Supervisor: Wang Jing
ETH Zurich, Institute of Environmental Engineering ◆

Advanced Fibers

Bifulco Aurelio

Flame Retardant Nano Composites
Supervisor: Branda Francesco
Co-Supervisor: Gaan Sabyasachi
University of Naples, IT Dip. Ingegneria Chimica dei Materiali e della Produzione Industriale U, Naples, IT ◆

Bülbül Ezgi

Controlling Interactions at the Surface by the Structure below the Surface
Supervisor: Heuberger Manfred
Co-Supervisor: Hegemann Dirk
ETH Zurich, Dept. of Materials ◆

chen Kang

Properties of industrial yarns
Supervisor: Zhang Yumei
Co-Supervisor: Perret Edith
Donghua university, China, CN ◆

Jakubowski Konrad

Textile light conversion for flexible surfaces and wearable applications
Supervisor: Heuberger Manfred
Co-Supervisor: Hufenus Rudolf
ETH Zurich, Dept. of Materials ◆

Orlowski Rafa

Strong solvent dependence of linear and non-linear optical properties of donor-acceptor type pyrrolo [3, 2-b] pyrroles
Supervisor: Gryko Daniel T.
Co-Supervisor: Nazir Muhammad Rashid
Institute of Organic Chemistry Warsaw, PL ◆

Wu Ruikai

Immobilized Catalyst
Supervisor: Heuberger Manfred
Co-Supervisor: Gaan Sabyasachi
ETH Zurich, Dept. of Materials ◆

Advanced Fibers**Advanced Materials Processing****Zhao Ruohan**

Studying phosphonic acid surface modification of chemically un-stable aluminum oxide
Supervisor: Heuberger Manfred
Co-Supervisor: Gaan Sabyasachi
ETH Zurich, Dept. of Materials ◆

Berger Luisa

Coupling effects in artificial nano-dot lattices prepared by focused electron beam and atomic layer deposition (CANDLE)
Supervisor: Hoffmann Patrik
Co-Supervisor: Utke Ivo

Cui Di

3D beam induced printing
Supervisor: Hoffmann Patrik
Co-Supervisor: Leparoux Marc
EPF Lausanne, Materials Science and Engineering ◆

Griffiths Seth

Additive Manufacturing of L12 Precipitate Strengthened Nickel and Aluminium Alloys
Supervisor: Hoffmann Patrik
Co-Supervisor: Leinenbach Christian
EPF Lausanne, Laboratory of Photonic Materials and Characterisation ◆

Kremer-Geler Jacqueline

device design and fabrication of on-chip optical switches
Supervisor: Hoffmann Patrik
Co-Supervisor: Abel Stefan
EPF Lausanne, Photonic Materials and Characterization ◆

Li Xiaoshuang

Rapid Solidification of Alloys and Selective Laser Melting of Metal Matrix Composites for Abrasive Applications
Supervisor: Wegener Konrad
Co-Supervisor: Leinenbach Christian
ETH Zurich, Institute of Machine Tools and Manufacturing ○

Lindström Viktor

Optimization of Au-based alloys for laser additive manufacturing
Supervisor: Hoffmann Patrik
Co-Supervisor: Leinenbach Christian
EPF Lausanne, Photonic Materials and Characterization ◆

Schuster Marvin

Microstructure control in aluminum alloys during laser additive manufacturing
Supervisor: Hoffmann Patrik
Co-Supervisor: Leinenbach Christian
EPF Lausanne, Institute of Materials (IMX) ◆

Vahdati Seyedpayam

Multiple overlapping pulsed laser materials processing
Supervisor: Hoffmann Patrik
Co-Supervisor: Hoffmann Patrik
EPF Lausanne, Photonic Materials and Characterization ◆

Wróbel Rafal

Microstructure, defect and residual stress formation during laser additive manufacturing of thin-walled Ni and Co structures
Supervisor: Spolenak Ralph
Co-Supervisor: Leinenbach Christian
ETH Zurich, Materials Science and Engineering ◆

Yang Yajiao

Development and characterization of high performance FeMnSi based shape memory alloys for civil engineering applications
Supervisor: Fiebig Manfred
Co-Supervisor: Leinenbach Christian

Air Pollution/Environmental Technology**Boleti Eirini**

Statistical analysis of long-term air quality data in Switzerland
Supervisor: Takahama Satoshi
Co-Supervisor: Hueglin Christoph
EPF Lausanne, School of Architecture, Civil and Environmental Engineering ◆

Graf Manuel

Balloon-borne mid-infrared laser spectroscopy for in-situ water vapor measurements in the Upper Troposphere and Lower Stratosphere
Supervisor: Peter Thomas
Co-Supervisor: Tuzson Béla
ETH Zurich, Institut für Atmosphäre und Klima ◆

Kantnerova Kristyna

Clumped isotopes as a novel tracer for the N2O cycle
Supervisor: Bernasconi Stefano
Co-Supervisor: Mohn Joachim
ETH Zurich, Geological Institute ◆

Air Pollution/Environmental Technology

Katharopoulos Ioannis

Inverse modelling of halocarbon emissions in Europe
Supervisor: Peter Thomas
Co-Supervisor: Henne Stephan
ETH Zurich, Atmospheric and Climate Science ◆

Morales Randolph

Inverse Modeling of CH₄ and its Isotopic Composition at European and Point Source Scales
Supervisor: Peter Thomas
Co-Supervisor: Brunner Dominik
ETH Zurich, Institute for Atmospheric and Climate Science ◆

Mussetti Gianluca

Urban Climate and Air Quality modelling
Supervisor: Carmeliet Jan
Co-Supervisor: Brunner Dominik
ETH Zurich, Dept. of Building Physics ◆

Rust Dominique

IHALOME Innovation in Halocarbon Measurements and Emission Validation
Supervisor: Zenobi Renato
Co-Supervisor: Reimann Stefan
ETH Zurich, Dept. of Chemistry ◆

Schwärzel Marc

High-resolution remote sensing and modelling of NO₂ at city scale
Supervisor: Berne Alexis
Co-Supervisor: Brunner Dominik
EPF Lausanne, Environmental Remote Sensing Laboratory ◆

Automotive Powertrain Technologies

Ambrosetti Matteo

Study of fundamental aspects for the applications of open cellular structures on the catalytic processes
Supervisor: Groppi Gianpiero
Co-Supervisor: Tronconi Enrico
Politecnico di Milano, Italy, Energy Dept., Milano, IT ○

Balmelli Michelangelo

Fundamental Investigation of Spectroscopy-based Ignition Diagnostics using Non-Thermal Plasmas
Supervisor: Bleiner Davide
Co-Supervisor: Merotto Laura
ETH ZurichEmpa Advanced Analytical Technologies ◆

Gianetti Giovanni

CFD modeling of premixed methane combustion with focus on EGR and water injection
Supervisor: Onorati Angelo
Co-Supervisor: Soltic Patrik
Politecnico di Milano, Italy, Dipartimento di Energia Motori a combustione interna, Milano, IT ◆

Kammermann Thomas

Optical Diagnostics of Ignition and Early Flame Kernel Development in Hydrogen Enriched Methane Flames
Supervisor: Boulouchos Konstantinos
Co-Supervisor: Soltic Patrik
ETH Zurich, Laboratorium für Aerothermochemie und Verbrennungssysteme ○

Milojevic Dejan

Datamanagement for autonomous driving vehicles
Supervisor: Frazzoli Emilio
Co-Supervisor: Dimopoulos Eggenschwiler Panayotis
ETH Zurich, Institute for Dynamic Systems and Control (IDSC) ◆

Omanovic Andyn

Optimization and Control of an Internal Combustion Engine with a Fully Flexible Variable Valvetrain
Supervisor: Onder Christopher
Co-Supervisor: Soltic Patrik
ETH Zurich, Institute for Dynamics System and Control (IDSC) ◆

Wang Moyu

Catalytic abatement of pollutants in the exhaust of natural gas engines
Supervisor: Kröcher Oliver
Co-Supervisor: Dimopoulos Eggenschwiler Panayotis
EPF Lausanne, Catalysis for Biofuels ◆

Biointerfaces

Gontsarik Mark

Tailoring antimicrobial peptides for bacteria membrane destruction
Supervisor: Yagmur Anan
Co-Supervisor: Salentinig Stefan
University of Copenhagen, DK, Faculty of Health and Medical Sciences, Copenhagen, DK ◆

Griffoni Chiara

Towards advanced 3D skin wound models for vitro drug evaluation
Supervisor: Dandekar Thomas
Co-Supervisor: Maniura Katharina
University of Würzburg, DE, Biology, Würzburg, DE ◆

Mertgen Anne-Sophie

Biomaterial design for endothelialization: towards a biomimetic blood material interface
 Supervisor: Vogel Viola
 Co-Supervisor: Maniura Katharina, Rottmar Markus
 ETH Zurich, Dept. of Health Sciences and Technology ◆

Pan Fei

Fighting antimicrobial resistant bacteria: from bacteriophage-based biosensors to controlled treatment systems
 Supervisor: Maniura Katharina
 Co-Supervisor: Ren Zulian Qun
 ETH Zurich, Dept. of Health Sciences and Technology ◆

Straub Hervé

Bacterial adhesion and early biofilm formation on soft surfaces: towards a better understanding of bacteria mechanosensing abilities and physicochemical interactions at play
 Supervisor: Eberl Leo
 Co-Supervisor: Ren Qun
 Uni ZH, Dept. of Plant and Microbial Biology ◆

Trachsel Luca

Supervisor: Zenobi-Wong Marcy
 Co-Supervisor: Benetti Edmondo Maria
 ETH Zurich, Dept. of Health Sciences and Technology ◆

Valentin Jules

Identification and characterization of genes involved in Pseudomonas aeruginosa biofilm resistance to antibiotics
 Supervisor: van der Mei Henny
 Co-Supervisor: Ren Qun
 University of Groningen, NL, Dep. of Biomedical Engineering, Groningen, NL ◆

Watts Samuel

Virus interactions with advanced water filter material
 Supervisor: Maniura Katharina
 Co-Supervisor: Salentinig Stefan
 ETH Zurich, Dept. of Health Sciences and Technology ◆

Wiesli Matthias

Engineering of the immune Response of bone Substitute materials
 Supervisor: Martin Ivan
 Co-Supervisor: Maniura Katharina
 Uni BS, Biomedizin Basel ◆

Yan Wenging

Supervisor: Spencer Nicholas
 Co-Supervisor: Benetti Edmondo Maria
 ETH Zurich, Dept. of Materials ◆

Yang Ke

Designer-hydrogel based vascularized, immunocompetent in vitro 3D skin and skin disease models for the investigation of novel wound healing materials
 Supervisor: Maniura Katharina
 Co-Supervisor: Rottmar Markus
 ETH Zurich, Dept. of Health Sciences and Technology ◆

Bahrami Flora

Multiscale modeling of transdermal drug delivery
 Supervisor: Dommann Alex
 Co-Supervisor: Defraeye Thijs
 Uni BE, Empa ◆

Chung Michael

Supervisor: Radacsi Norbert
 Co-Supervisor: Fortunato Giuseppino
 University of Edinburgh, Civil engineering, UK, School of Engineering ◆

Clerc Michèle

Supervisor: Bruns Nico
 Co-Supervisor: Boesel Luciano
 University of Strathclyde, UK ◆

Deng Meng

Supervisor: Wang Yunyi
 Co-Supervisor: Psikuta Agnes
 Donghua University, CN, College of Fashion and Design, Shanghai, CN ◆

Huang Chieh-Szu

Supervisor: Kovalenko Maksym
 Co-Supervisor: Boesel Luciano
 ETH Zurich, Dept. of Chemistry ◆

Iranshahi Kamran

Supervisor: Defraeye Thijs
 Co-Supervisor: Defraeye Thijs
 ETH Zurich, Empa ◆

Biomimetic Membranes and Textiles

Joshi Ankit

Comprehensive model for heat and moisture transport in skin-clothing-environment system
Supervisor: Bueno Marie-Ange
Co-Supervisor: Psikuta Agnes
ENSISA, Laboratoire de Physique et Mécanique Textiles, Muhlhouse, FR ○

Luo Jialuo

Supervisor: Sorin Fabien
Co-Supervisor: Boesel Luciano
EPF Lausanne ◆

Sharma Khushdeep

Supervisor: Sorin Fabien
Co-Supervisor: Boesel Luciano
EPF Lausanne, Empa ◆

Shrivastava Chandrima

Convective cooling of heat-sensitive products in food supply chains
Supervisor: Dommann Alex
Co-Supervisor: Defraeye Thijs
Uni BE ◆

Building Energy Materials and Components

Civioc Romain

Silica-carbon aerogels
Supervisor: Lattuada Marco
Co-Supervisor: Koebel Matthias
Uni FR, Dept. of Chemistry ◆

Guerrero Natalia

Urea based polyurea
Supervisor: Lattuada Marco
Co-Supervisor: Koebel Matthias
Uni FR, Dept. of Chemistry ◆

Piccoli Emanuele

Supervisor: Marechal François
Co-Supervisor: Galmarini Sandra
EPF Lausanne E EDEY-GE ◆

Sivaraman Deeptanshu

Biopolymer aerogels for thermal superinsulation
Supervisor: Lattuada Marco
Co-Supervisor: Malfait Wim
Uni FR, Dept. of Chemistry ◆

Cellulose & Wood Materials

Arcari Mario

Cellulose nanofibrillar gels and aerogels relation between fibril structure and material functionality (prov. Title)
Supervisor: Mezzenga Raffaele
Co-Supervisor: Nyström Gustav
ETH Zurich, Dept. of Health Sciences and Technology ◆

Boons Rani

Toolbox of functional bio-based inks: 3D printing of novel multiscale structured composites inspired by nature
Supervisor: Burgert Ingo
Co-Supervisor: Zimmermann Tanja
ETH Zurich, Institute for Building Materials ◆

Ding Yong

Functional cellulose composites
Supervisor: Burgert Ingo
Co-Supervisor: Keplinger Tobias
ETH Zurich, Institut für Baustoffe IfB ◆

Dreimol Christopher

Smart wood building materials
Supervisor: Burgert Ingo
Co-Supervisor: Guo Huizhang
ETH Zurich, Institute for Building Materials ◆

Frey Marion

Wood-templated cellulose fibre reinforced composites
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zurich, Institut für Baustoffe ◆

Goldhahn Christian

Nano-Bio Modification of Wood and Wood-Based Materials for Novel Applications
Supervisor: Burgert Ingo
Co-Supervisor: Chanana Munish
ETH Zurich, Institut für Baustoffe ◆

Grönquist Philippe

Smart, innovative manufacturing of curved wooden components for architecture with complex geometry
Supervisor: Burgert Ingo
Co-Supervisor: Rüggeberg Markus
ETH Zurich, Institute for Building Materials ◆

Hausmann Michael

Hierarchically structured cellulose-based composites
Supervisor: Studart André
Co-Supervisor: Zimmermann Tanja
ETH Zurich, Lab complex materials ○

Kummer Nico

Functional Nanocellulose-Amyloid Biointerfaces
Supervisor: Ficher Peter
Co-Supervisor: Nyström Gustav
ETH Zurich, Dept. of Health Sciences and Technology ◆

Lämmlein Sarah

Microstructure-property relationship in varnished wood of string instruments
Supervisor: Burgert Ingo
Co-Supervisor: Schwarze Francis
ETH Zurich, Institute for Building Materials ◆

Mekacher Yasmine

Functional wood coatings
Supervisor: Burgert Ingo
Co-Supervisor: Künniger Tina
ETH Zurich ◆

Müller Luca

Toolbox of functional bio-based inks: 3D printing of novel multiscale structured composites inspired by nature
Supervisor: Burgert Ingo
Co-Supervisor: Zimmermann Tanja
ETH Zurich, Institute for Building Materials ◆

Oluyinka Olaniran Samuel

Mechanical characterization of modified woods
Supervisor: Burgert Ingo
Co-Supervisor: Rüggeberg Markus
ETH Zurich, Institut für Baustoffe IfB ○

Pasqualini Alessia

Biological control of interior decay in wood products by Trichoderma species
Supervisor: Schwarze Francis
Co-Supervisor: Schwarze Francis
Albert-Ludwigs-Universität Freiburg, DE ◆

Saikia Eashan

Analysis of Biological Mechanosensors
Supervisor: Burgert Ingo
Co-Supervisor: Wittel Falk, Rüggeberg Markus
ETH Zurich, Institute for Building Materials ◆

Spies Paul-Antoine

High toughness cellulose composites
Supervisor: Burgert Ingo
Co-Supervisor: Keplinger Tobias
ETH Zurich, Institute for Building Materials ◆

Stucki Sandro

Smart Wood Materials
Supervisor: Burgert Ingo
Co-Supervisor: Arnold Martin
ETH Zurich, Institute for Building Materials ◆

Sun Jianguo

Biodegradable nanogenerators based on wood materials for smart applications
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zurich, Institut für Baustoffe IfB ◆

Tran-Ly Anh

Multifunctional melanin-based composites for new sustainable active packaging
Supervisor: Burgert Ingo
Co-Supervisor: Schwarze Francis
ETH Zurich, Institut für Baustoffe IfB ◆

Tu Kunkun

Functionalization of wood materials for carbon dioxide capture and fire resistance (prov. Title)
Supervisor: Burgert Ingo
Co-Supervisor: Burgert Ingo
ETH Zurich, Institut für Baustoffe IfB ◆

Uselli Mattia

Fibrillar colloidal gels studied by dynamic scattering techniques
Supervisor: Mezzenga Raffaele
Co-Supervisor: Nyström Gustav
ETH Zurich, D-HESR ◆

**Cellulose & Wood
Materials**

Vitas Selin

Functionalization of wood materials for innovative application in filter technology
Supervisor: Burgert Ingo
Co-Supervisor: Cabane Etienne
ETH Zurich, Institute for Building Materials ○

Wang Yaru

Wood-based and wood-templated materials with special wettability
Supervisor: Burgert Ingo
Co-Supervisor: Cabane Etienne
ETH Zurich, Institute for Building Materials ○

**Center for X-ray
Analytics**

Dolabella Simone

Novel monolithic Si NEMS: Study and correlation of structural and physical behaviour
Supervisor: Neels Antonia
Co-Supervisor: Dommann Alex
Uni FR, EDM I ◆

Iranpour Neda

Nano-X: Synthesis and dynamical in-situ X-ray diffraction and scattering studies on advanced fiber systems and functional crystalline matter
Supervisor: Neels Antonia
Co-Supervisor: Wick Peter
Uni FR ◆

Maurya Anjani

Nano-X: Synthesis and dynamical in-situ X-ray diffraction and scattering studies on advanced fiber systems and functional crystalline matter
Supervisor: Dommann Alex
Co-Supervisor: Neels Antonia
Uni BE ◆

Shakoorioskooie Mahdiah

Supervisor: Lura Pietro
Co-Supervisor: Zboray Robert
ETH Zurich, Dept. of Building Materials ◆

**Concrete/Construction
Chemistry**

Barzgar Sonya

CASHII: complexation
Supervisor: Ludwig Christian
Co-Supervisor: Lothenbach Barbara
EPF Lausanne, School of Architecture, Civil and Environmental Engineering ENAC ◆

German Alexander

Hydration and properties of low-CO₂ cements based on magnesium hydroxycarbonates
Supervisor: Lura Pietro
Co-Supervisor: Winnefeld Frank
ETH Zurich, Institut für Baustoffe ◆

Guidone Rosa Ester

Impact of citrate and formate on the uptake of tri- and tetravalent actinides by cement and pure cement phases (C-S-H, AFm): structural and thermodynamic study.
Supervisor: Geckeis Horst
Co-Supervisor: Lothenbach Barbara
Karlsruher Institut für Technologie, DE, Institut für Nukleare Entsorgung (INE), DE ◆

Manzini Andrea

Thermodynamic and spectroscopic investigations of the Fe and S speciation under reducing conditions
Supervisor: Wehrli Bernhard
Co-Supervisor: Lothenbach Barbara
ETH Zurich, Umweltwissenschaften ◆

Nedyalkova Latina

A Structural and Thermodynamic Study of the Intercalation of Selenium(-IV), Selenium(-II), Sulfur(-II) and Iodine(-I) in Hydrocalumites (AFm-phases)
Supervisor: Mäder Urs
Co-Supervisor: Lothenbach Barbara
Uni BE, Geology ○

Shakoori Oskooie Mahdiah

Mechanism of Alkali-Silicate damage evolution in concrete
Supervisor: Lura Pietro
Co-Supervisor: Griffa Michele
ETH Zurich, Institute for Building Materials, Dept. of Civil, Environmental and Geomatic Engineering ◆

Yan Yiru

CASHII: soild phases
Supervisor: Scrivener Karen
Co-Supervisor: Lothenbach Barbara
EPF Lausanne, LMC ◆

Concrete/Construction Chemistry

Zhu Ye
Linear and nonlinear ultrasounds methods for non-destructive and systematic characterization of concrete durability properties
Supervisor: Lura Pietro
Co-Supervisor: Griffa Michele
ETH Zurich, Institute for Building Materials, Dept. of Civil, Environmental and Geomatic Engineering ◆

Electron Microscopy Center

Bologna Nicolas
Template-assisted grown III-V semiconductor nanowires: A transmission electron microscopy study
Supervisor: Fontcuberta Anna
Co-Supervisor: Rossell Marta D
EPF Lausanne, Laboratory of Semiconductor Materials ○

Vogel Alexander
Supervisor: Fiebig Manfred
Co-Supervisor: Rossell Marta D
ETH Zurich, Dept. of Materials ◆

Experimental Continuum Mechanics

Britt Ben-Rudolf
Non-affinity of random fibre networks
Supervisor: Mazza Edoardo
Co-Supervisor: Ehret Alexander
ETH Zurich, Institute for Mechanical Systems ◆

Domaschke Sebastian
Mechanical Interactions in fibrous networks
Supervisor: Mazza Edoardo
Co-Supervisor: Ehret Alexander
ETH Zurich, Institute for Mechanical Systems ○

GhGhanbari Pooriya
Modelling of process and mechanical integrity of direct laser deposited (DLD) Ti-based bi-metal builds
Supervisor: Mazza Edoardo
Co-Supervisor: Hosseini Ehsan
ETH Zurich, Institute for Mechanical Systems ◆

Kuravi Ramachandra
Meso-scale analysis and modelling of soft musculoskeletal tissues
Supervisor: Mazza Edoardo
Co-Supervisor: Ehret Alexander
ETH Zurich, Institute for Mechanical Systems ◆

Li Xiaolong
Physical-microstructurally based modelling of primary creep persistency
Supervisor: Mazza Edoardo
Co-Supervisor: Hosseini Ehsan
ETH Zurich, Institute for Mechanical Systems ◆

Schillai Kilian
Enhanced fretting fatigue resistance of conductors for high voltage overhead lines
Supervisor: Mazza Edoardo
Co-Supervisor: Holdsworth Stuart
ETH Zurich, Institute for Mechanical Systems ○

Functional Polymers

Abdolhosseinzadeh Sina
Inorganic Inks for high-precision printing of TFTs
Supervisor: Nüesch Frank
Co-Supervisor: Heier Jakob
EPF Lausanne, EPF Lausanne ◆

Anantharaman Surendra Babu
Self-assembly of cyanine dye molecules into J-aggregates on surfaces for applications in opto-electronic devices
Supervisor: Nüesch Frank
Co-Supervisor: Heier Jakob
EPF Lausanne, Chemistry or Polymer Chemistry ○

Caspari Philip
High permittivity siloxanes in the application of dielectric elastomer generators
Supervisor: Nüesch Frank
Co-Supervisor: Opris Dorina
EPF Lausanne, Chemistry or Polymer Chemistry ○

Diethelm Matthias
Transient Phenomena in Salt Semiconductor Devices
Supervisor: Nüesch Frank
Co-Supervisor: Hany Roland
EPF Lausanne, EPF Lausanne ◆

Owusu Francis
Magnetic and/ or dielectric anisotropic stretchable elastomers
Supervisor: Nüesch Frank
Co-Supervisor: Opris Dorina
EPF Lausanne, EPF Lausanne ◆

Functional Polymers

Sheima Yauhen

Novel silicones for artificial muscles: from synthesis to applications
Supervisor: Frauenrath Holger
Co-Supervisor: Opris Dorina
EPF Lausanne, EPF Lausanne ◆

Strassel Karen

all-organic optical upconversion device for single-element near-infrared imaging
Supervisor: Nüesch Frank
Co-Supervisor: Hany Roland
EPF Lausanne, EPF Lausanne ◆

High Performance Ceramics

Domogala Kamila

Re-usable multi-walled carbon nanotube based water filter for virus pathogen removal in developing countries.
Acronym: MultiCarboVir
Supervisor: Kata Darius
Co-Supervisor: Graule Thomas
AGH University of Science and Technology, Cracow, PL ◆

Georgopoulou-Papadonikolaki Antonia

Self HEaling soft Robotics. Acronym: SHERO
Supervisor: Vanderborght Bram
Co-Supervisor: Clemens Frank
Vrije Universiteit Brussel (VUB), BE, BruBotics Human Robotics Research Center, Brussels, BE ◆

Hedayati Mehdi

Fabrication of PVDF/BaTiO₃/Al@Al₂O₃ Nanocomposite and Investigation of its Dielectric Behavior and Electrical Energy Storage
Supervisor: Nasaj Ehsan Taheri
Co-Supervisor: Clemens Frank
Tarbiat Modares University of Tehran, IR, College of Engineering, Tehran, IR ◆

Naikade Manoj

SIMEA: Study and characterization of silicon metal alloys systems for the reactive infiltration process of ceramic matrix composites -SNSF grant number: 200021_163017
Supervisor: Weber Ludger
Co-Supervisor: Graule Thomas
EPF Lausanne, Laboratoire de Métallurgie Mécanique ◆

Ozog Paulina

KTI Projekt: Herstellung hochwertiger Aluminiumnitrid-basierter Keramiken aus verbrennungsbasierter Direkt-synthese von nanoskaligen AlN-Pulvern - ALUMNI
Supervisor: Kata Darius
Co-Supervisor: Graule Thomas
AGH University of Science and Technology, Cracow, PL ○

Pfeiffer Stefan

Selective Laser Melting of oxide based ceramics
Supervisor: Aneziris Christos G.
Co-Supervisor: Graule Thomas
TU Freiberg, D, TU Bergakademie Freiberg, Freiberg, DE ◆

Sarraf Fateme

Thermoplastic Binder Development for Bulk Ceramic Processing to Achieve Superior Flow Behaviour and To Avoid Shape Distortion (SuperShape)
Supervisor: Churakov Sergey
Co-Supervisor: Clemens Frank
Uni BE, Institute of Geological Sciences ○

Top Jens

Molecular and physical aspects of dye sensitization of photoelec-trodes with copper-based sensitizer molecules.
SNF Verfügung: IZKSZ2_162232
Supervisor: Housecroft Catherine E.
Co-Supervisor: Braun Artur
Uni BS, Dept. of Chemistry ◆

Zubrzycka Paulina

Super efficient and rapid debinding and sintering of transparent or translucent ceramic parts, shaped by stereolithography-based Additive Manufacturing AM.
Acronym: SuperRapid
Supervisor: Radecka Marta
Co-Supervisor: Graule Thomas
AGH University of Science and Technology, Cracow, PL ◆

Joining Technologies and Corrosion

Cihova Martina

Nanoscale characterization of biodegradable, lean magnesium alloys: a detailed study of their microstructure-property correlations
Supervisor: Löffler Jörg
Co-Supervisor: Schmutz Patrik
ETH Zurich, Dept. of Materials, Institut für Metallforschung, Zürich ◆

Dörner Lars

Highly-energetic Al/CuO thermite coatings through nanoparticle Composites

Supervisor: Kovalenko Maksym

Co-Supervisor: Jeurgens Lars P.H.

ETH Zurich, Dept. of Chemistry and Applied Biosciences, Laboratorium für Anorganische Chemie (LAC) ◆

Ilic Emilija

Corrosion Mechanisms of Diamond-like Carbon Coated Interlayers & Interfaces

Supervisor: Mischler Stefano

Co-Supervisor: Hauert Roland

EPF Lausanne, IMX, Institut des Matériaux, Lausanne ○

Ruohan Zhao

Studying the dynamic process of phosphonic acid surface modification of aluminum oxide

Supervisor: Heuberger Manfred

Co-Supervisor: Schmutz Patrik, Gan Sabyasachi

ETH Zurich, Dept. of Materials, Laboratory for Surface Science and Technology ◆

Mairena Anais

Chiral molecules at surfaces

Supervisor: Ernst Karl-Heinz

Co-Supervisor: Ernst Karl-Heinz

Uni ZH ◆

Ahmed Zuned

Stochastic Atomic and Molecular Fluctuators and Resonators

Supervisor: Hug Hans J.

Co-Supervisor: Hug Hans J.

Uni BS, Dept. of Physics ◆

Chacko Aarati

Matallization of Polymers using HiPIMS

Supervisor: Hug Hans-Josef

Co-Supervisor: Hug Hans-Josef

Uni BS, Dept. of Physics ◆

Feng Yaoxuan

Skyrmions studied by Magnetic Force Microscopy

Supervisor: Hug Hans J.

Co-Supervisor: Hug Hans J.

Uni BS, Dept. of Physics ◆

Fischer Maria

Ternary and Quaternary Aluminum Oxynitrides TeQuAlON

Supervisor: Hug Hans Josef

Co-Supervisor: Thorwarth Kerstin

Uni BS, Dept. of Physics ○

Gehrig Jeffrey

Stochastic Fluctuations at the Nanoscale

assessed by Scanning Probe Microscopy

Supervisor: Hug Hans J.

Co-Supervisor: Hug Hans J.

Uni BS, Dept. of Physics ○

Kawecki Maciej

Mass spectrometric quantification of chemical reactions, molecular migrations, and interactions in dynamic organic systems

Supervisor: Hug Hans J.

Co-Supervisor: Bernard Laetitia

Uni BS, Dept. of Physics ○

Liu Hao

Stochastic Atomic and Molecular Fluctuators and Resonators

Supervisor: Hug Hans J.

Co-Supervisor: Hug Hans J.

Uni BS, Dept. of Physics ◆

Scheibler Subas

Magnetic Thin Film Particles for Bio/Med Applications

Supervisor: Herrmann Inge Katrin

Co-Supervisor: Hug Hans J.

ETH Zurich, Dept. of Materials ◆

Trant Mathis

Plasma Parameters and Particle fluxes during Deposition of Transparent Hard Coatings

Supervisor: Hug Hans Josef

Co-Supervisor: Thorwarth Kerstin

Wiesmüller Fabian

Supervisor: Kovac Mirko

Co-Supervisor: Nyström Gustav

Imperial College London, GB, Dept. of Aeronautics ◆

<p>Asakura Ryo Supervisor: Hagemann Hans Co-Supervisor: Remhof Arndt Uni GE, Dept. of Physical Chemistry ◆</p>
<p>Bay Marie-Claude β"-alumina electrolytes for enhanced electrical and mechanical performance of sodium nickel chloride batteries Supervisor: Vogt Ulrich Co-Supervisor: Battaglia Corsin Albert-Ludwigs-Universität Freiburg, DE, Institute of Crystallography, Freiburg im Breisgau, DE ◆</p>
<p>Becker Maximilian Supervisor: Heuberger Manfred Co-Supervisor: Battaglia Corsin ETH Zurich, Departement of Materials ◆</p>
<p>Duchêne Léo Development of a New Closo-Borate Solid Electrolyte and its Implementation in All-Solid-State Batteries Supervisor: Hagemann Hans Co-Supervisor: Remhof Arndt Uni GE, Dept. of Physical Chemistry ○</p>
<p>Landmann Daniel Supervisor: Haussener Sophia Co-Supervisor: Battaglia Corsin EPF Lausanne, Dept. of Genius Mechanique ◆</p>
<p>Pagani Francesco Supervisor: Rupp Jennifer Co-Supervisor: Battaglia Corsin ETH Zürich, Dept. of Materials ◆</p>
<p>Reber David Supervisor: Nüesch Frank Co-Supervisor: Battaglia Corsin EPF Lausanne, Materials Science and Engineering ◆</p>
<p>Byrne Ryan Biomechanical Analysis and Modeling of the In Vivo Lumbar Spine Supervisor: Smolinski Patrick Co-Supervisor: Aiyangar Ameet University of Pittsburgh, US, Mechanical Engineering & Materials Science, Pittsburgh, US ○</p>
<p>Clerc Gaspard Influence of the adhesive properties on the fatigue performance of bonded wood Supervisor: van de Kuilen Jan-Willem G. Co-Supervisor: Brunner Andreas J. TU München, Germany, DE, Wood Technology, München, DE ◆</p>
<p>Cornaz Frédéric Jean-Pierre Intraoperative tissue analysis using radio frequency plasma spectroscopy Supervisor: Meyer Dominik Co-Supervisor: Valet Sebastian, Weisse Bernhard Uni ZH, Medizinische Fakultät ◆</p>
<p>Dreyer Michael Joseph Numerical simulation of Wear produced by Prosthetic Joint Replacements Supervisor: Taylor William R. Co-Supervisor: Weisse Bernhard ETH Zurich, Laboratory for Movement Biomechanics - Dept. of Health Sciences and Technology ◆</p>
<p>Lämmlein Tobias Development of novel low-clinker high-performance concrete elements prestressed with high modulus carbon fibre reinforced polymers Supervisor: Lura Pietro Co-Supervisor: Terrasi Giovanni ETH Zurich, Institute for Building Materials, Dept. of Civil, Environmental and Geomatic Engineering ○</p>
<p>Müller Andreas Eine neue Methode für die Kalibrierung eines individuellen vorwärtsdynamischen Computermodells der Lendenwirbelsäule Supervisor: Gruber Karin Co-Supervisor: Aiyangar Ameet University of Koblenz – Landau, DE, Institut für Sportwissenschaft, Koblenz, DE ◆</p>
<p>Stankovic Danijela Fretting fatigue of CFRP loops on CFRP pins Supervisor: Bisby Luke Co-Supervisor: Terrasi Giovanni University of Edinburgh, Institute for Infrastructure and Environment, Edinburgh, UK ◆</p>

<p>Berger Luisa Coupling effects in artificial nano-dot lattices prepared by focused electron beam and atomic layer deposition (CANDLE) Supervisor: Utke Ivo Co-Supervisor: Hoffmann Patrik EPF Lausanne, Materials Science Dept. ◆</p>
<p>Bertero Enrico Electrodeposition of stainless steel micro-components in UV-LIGA moulds Supervisor: Mischler Stefano Co-Supervisor: Michler Johann EPF Lausanne, Tribology and Interfacial Chemistry Group TIC ◆</p>
<p>Casari Daniele Micromechanical Properties of Bone Supervisor: Zysset Philippe Co-Supervisor: Schwiedrzik Jakob Uni BE, Institute of Surgical Technology and Biomechanics ◆</p>
<p>Della Ventura Nicolò Maria Mechanisms of deformation twinning in hcp metals Supervisor: Maeder Xavier Co-Supervisor: Maeder Xavier EPF Lausanne, EDMX Materials Science and Engineering ◆</p>
<p>Huszár Emese Investigation of the strengthening effect of nanoparticles in metal matrixes Supervisor: Spolenak Ralph Co-Supervisor: Michler Johann ETH Zurich, Laboratory for Nanometallurgy ◆</p>
<p>Jurczyk Jakub Focused Electron Beam Induced Deposition using low vapour pressure compounds (ELENA ITN project) Supervisor: Utke Ivo Co-Supervisor: Kapusta Czeslaw AGH University of Science and Technology, Cracow, PL, Dept. of Solid State Physics ◆</p>
<p>Kochetkova Tatiana Combining bone proteotype and multiscale extracellular matrix properties for improved clinical fracture risk prediction Supervisor: Zysset Philippe Co-Supervisor: Schwiedrzik Jakob Uni BE, ARTORG Center for biomedical engineering research ◆</p>
<p>Osenberg David Supervisor: Mischler Stefano Co-Supervisor: Philippe Laetitia EPF Lausanne, EDMX Materials Science and Engineering ◆</p>
<p>Peruzzi Cinzia Nanoscale deformation mechanisms and yield prediction of lamellar bone Supervisor: Mazza Edoardo Co-Supervisor: Schwiedrzik Jakob ETH Zurich, Dept. of Mechanical and Process Engineering ◆</p>
<p>Pip Petai Synthesis and characterisation of magnetic metamaterials Supervisor: Heydermann Laura Co-Supervisor: Philipope Laetitia ETH Zurich, Materials Science Dept. ◆</p>
<p>Schürch Patrik Creation of 2D and 3D nanostructures for photovoltaic devices and mechanical testing Supervisor: Nüesch Frank Co-Supervisor: Philippe Laetitia EPF Lausanne, Materials Science Dept. ◆</p>
<p>Xie Tianle Microstructures and deformation mechanisms of Al-Alumina multilayers prepared by an integrated PVD-ALD deposition system Supervisor: Pethő Laszlo Co-Supervisor: Pethő Laszlo Hunan University, CN, College of Materials Science and Engineering, Hunan, CN ◆</p>
<p>Chen Mingyang Sorption induced deformations of microporous material Supervisor: Carmeliet Jan Co-Supervisor: Dr. Derome Dominique ETH Zurich, Dept. of Mechanical and Process Engineering ○</p>
<p>Fischer Robert Supervisor: Carmeliet Jan Co-Supervisor: Derome Dominique ETH Zurich, Dept. of Mechanical and Process Engineering ◆</p>

Manickathan Lento

CFD study of impact of vegetation on heat island effect
Supervisor: Carmeliet Jan
Co-Supervisor: Defraeye Thijs
ETH Zurich, Dept. of Mechanical and Process Engineering ○

Mussetti Gianluca

Supervisor: Carmeliet Jan
Co-Supervisor: Brunner Dominik

Prawiranto Kevin

Solar drying of soft cellular materials: a multiscale approach.
Supervisor: Carmeliet Jan
Co-Supervisor: Defraeye Thijs
ETH Zurich, Dept. of Civil, Environmental and Geomatic Engineering ○

Qin Feifei

LB Modelling of colloid drying
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Shomali Ali

Hygromechanical behavior of archeological wood S2 cell wall layer, consolidated with PEG
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Zhang Chi

Multiscale Modelling of wood cell S2 layer: Understanding wood swelling and moisture-induced shape memory
Supervisor: Carmeliet Jan
Co-Supervisor: Derome Dominique
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Bommert Max

Probing 2D materials – molecule interactions with Graphene Quantum Dots
Supervisor: Greber Thomas
Co-Supervisor: Gröning Oliver
Uni ZH, Dept. of Physics ◆

Danese Martina

Supervisor: Corminboeuf Clemence
Co-Supervisor: Passerone Daniele
EPF Lausanne, Chemical Sciences and Engineering ◆

Darawish Rimah

Supervisor: Fasel Roman
Co-Supervisor: Fasel Roman
Uni BE, Dept. of Chemistry and Biochemistry ◆

Eimre Kristjan

Novel challenges in the synthesis of carbon based nanostructures
Supervisor: Hutter Juerg
Co-Supervisor: Pignedoli Carlo
Uni ZH, Dept. of Chemistry ◆

Gandus Guido

Supervisor: Luisier Mathieu
Co-Supervisor: Passerone Daniele
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Kinikar Amogh

Supervisor: Gambardella Pietro
Co-Supervisor: Fasel Roman, Ruffieux Pascal
ETH Zurich, Dept. of Materials ◆

Mishra Shantanu

Electronic & magnetic properties of open-shell graphene nanostructures
Supervisor: Greber Thomas
Co-Supervisor: Ruffieux Pascal
Uni ZH, Physik Institut ◆

Popoff Youri

Supervisor: Luisier Mathieu
Co-Supervisor: Gröning Oliver
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Stolz Samuel

Chiral Intermetallic Surfaces for Enantioselective Reactions
Supervisor: Brune Harald
Co-Supervisor: Widmer Roland
EPF Lausanne ◆

Anthis Alexandre

Investigating interactions of endogenous and engineered particles with biological systems
Supervisor: Herrmann Inge
Co-Supervisor: Niederberger Markus
ETH Zurich, Dept. of Materials ◆

Batbaja Dugershaw Battuja

Studying nanomaterials at the placental barrier and their possible indirect fetotoxic effects
Supervisor: Sturla Shana
Co-Supervisor: Bürki Tina
ETH Zurich, Dept. of Health Sciences and Technology ◆

Furer Lea

Establishment and use of novel biomimetic membranes for nanoparticle effect and transport studies at biological tissue barriers
Supervisor: Schürle Simone
Co-Supervisor: Bürki Tina
ETH Zurich, Dept. of Health Sciences and Technology ◆

Gerken Lukas

Nanoparticle enhanced radiotherapy
Supervisor: Herrmann Inge
Co-Supervisor: Herrmann Inge
ETH Zurich, Dept. of Physics ◆

Hempt Claudia

Establishment and use of an advanced in vitro model to study nanomaterial-intestinal barrier interactions
Supervisor: Sturla Shana
Co-Supervisor: Buerki-Thurnherr Tina, Wick Peter
ETH Zurich, Dept. of Health Sciences and Technology ◆

Iranpour Anaraki Neda

Nano-X: Synthesis and dynamical in-situ X-ray diffraction and scattering studies on advanced fiber systems and functional crystalline matter
Supervisor: Neels Antonia
Co-Supervisor: Wick Peter

Keevend Kerda

Correlative cathodoluminescence electron microscopy bioimaging
Supervisor: Herrmann Inge
Co-Supervisor: Grange Rachel
ETH Zurich, Dept. of Physics ○

Korejwo Daria

Interaction of graphene related materials and abraded materials from reinforced nanocomposites with in vitro lung models
Supervisor: Rothen-Rutishauser Barbara
Co-Supervisor: Buerki Tina Wick Peter
Uni FR, Adolphe Merkle Institute ◆

Matter Martin

Bioactive Nanoparticles for Surgical Applications
Supervisor: Pratsinis Sotiris E.
Co-Supervisor: Herrmann Inge
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Netkuleakul Woranan

Epoxy/graphene-based materials nanocomposites: manufacturing, properties, and release scenarios of aerosol particles during their lifetime and their toxicity
Supervisor: Wang Jing
Co-Supervisor: Bürki Tina

Neuer Anna

Biotransformation of New Generation Nanostructures
Supervisor: Herrmann Inge
Co-Supervisor: Herrmann Inge
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Romeo Daina

tba
Supervisor: Nowack Bernd
Co-Supervisor: Wick Peter
ETH Zurich, Dept. of Environmental Systems Science ◆

Rodríguez Fernández Israel

Use of waste materials to reduce the consumption of natural resources in asphalt mixtures production
Supervisor: Bueno Moises
Co-Supervisor: Castro Fresno Daniel
University of Cantabria, ES, DPTO. TRANSPORTES Y TECNOLOGIA DE PROYECTOS Y PROCESOS, Cantabria, ES ○

Conzelmann Nicholas

High Performance Aggregates for Sustainable Road Pavements
Supervisor: Müller Christoph
Co-Supervisor: Poulidakos Lily
ETH Zurich, Institute for Energy technique ◆

Road Engineering/ Sealing Components

Mukul Rathore

100% Recycled asphalt for urban surfaces
Supervisor: Zaumanis Martins
Co-Supervisor: Viktors Haritonovs
Riga Technical University, LV, Dept. of Roads and Bridges, Riga, Latvia, LV ◆

Piao Zhengyin

Urban waste for low noise urban roads
Supervisor: Hellweg Stefanie
Co-Supervisor: Poulidakos Lily
ETH Zurich, Institute of Environmental Engineering (IfU) ◆

Tarpoudi Baheri Farrokh

Bitumen Based Intrinsically Icephobic Road Surfaces
Supervisor: Poulidakos Dimos
Co-Supervisor: Poulidakos Lily
ETH Zurich, Institute for energy technique ◆

Structural Engineering

Ehrhart Thomas

European Beech Glued Laminated Timber
Supervisor: Frangi Andrea
Co-Supervisor: Steiger René
ETH Zurich, Institut für Baustatik und Konstruktion ○

Heydarinouri Hossein

Fatigue Strengthening of Metallic Bridge Connections using pre-stressed CFRP Laminates
Supervisor: Nussbaumer Alain
Co-Supervisor: Motavalli Masoud, Ghafoori Elyas
EPF Lausanne, Resilient Steel Structures Laboratory RESSLab ◆

Hosseini Ardalan

Strengthening of metallic members under mixed mode fatigue loading using prestressed CFRP plates
Supervisor: Nussbaumer Alain
Co-Supervisor: Motavalli Masoud, Ghafoori, Elyas
EPF Lausanne, EPF Lausanne, Steel Structures Laboratory ICOM ○

Jalsan Khash-Erdene

Wireless Sensor Network Planning for Structural Health Monitoring
Supervisor: Martinoli Alcherio
Co-Supervisor: Feltrin Glauco
EPF Lausanne, EPF Lausanne, School of Architecture, Civil and Environmental Engineering ENAC ◆

Li Lingzhen

Fatigue strengthening of metallic members using bonded iron-based shape memory alloys (Fe-SMAs)
Supervisor: Chatzi Eleni
Co-Supervisor: Ghafoori Elyas
ETH Zurich, Institut für Baustatik und Konstruktion ◆

Schranz Bernhard

Modeling of RC members strengthened and prestressed by a novel iron-based shape memory alloy reinforcement
Supervisor: Vogel Thomas
Co-Supervisor: Czaderski Christoph, Shahverdi Moslem
ETH Zurich, Institut für Baustatik und Konstruktion ◆

Wydler Jonas

Structural behaviour and reliability of connections in timber structures
Supervisor: Frangi Andrea
Co-Supervisor: Palma Pedro
ETH Zurich, Institut für Baustatik und Konstruktion ◆

Yang Yajiao

Development of an iron-based SMA with higher recovery stress compared to existing Empa/re-fer alloy
Supervisor: Fiebig Manfred
Co-Supervisor: Shahverdi Moslem
ETH Zurich, Dept. of Materials ◆

Surface Science and Coating Technologies

Cebrat Aleksandra

Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH, Dept. of Chemistry ◆

Irziqat Bahaeddin

Chemistry of Helical Aromatic Hydrocarbons on Metal Surfaces
Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH, Dept. of Chemistry ◆

Srivastava Gitika

Single Molecule Manipulation via Inelastic Electron Tunneling
Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH, Dept. of Chemistry ○

Trant Mathis

Plasma Parameters and Particle fluxes during Deposition of Transparent Hard Coatings
Supervisor: Hug Hans Josef
Co-Supervisor: Thorwarth Kerstin
Uni BS, Dept. of Physics ◆

Voigt Jan

Supervisor: Ernst Karl-Heinz
Co-Supervisor: Ernst Karl-Heinz
Uni ZH, Dept. of Chemistry ◆

Berr Marcus

Addressing raw materials supply risk indicators in LCSA
Supervisor: Nowack Bernd
Co-Supervisor: Wäger Patrick Hischier Roland
ETH Zurich, Dept. of Environmental Systems Science ◆

Cai Yaping

A mechanistic study of microfiber release from synthetic textiles
Supervisor: Nowack Bernd
Co-Supervisor: Nowack Bernd
ETH Zurich, Dept. of Environmental Systems Science ◆

Desing Harald

Product and Service Design for a Sustainable Circular Economy
Supervisor: Hellweg Stefanie
Co-Supervisor: Hischier Roland, Böni Heinz
ETH Zurich, Institute of Environmental Engineering ◆

Goncalves Joao

Integrating serious games with stock and flow modelling to educate decision makers in systems thinking (working title)
Supervisor: Hilty Lorenz
Co-Supervisor: Wäger Patrick
Uni ZH, Informatics ◆

Hauser Marina

Supervisor: Nowack Bernd
Co-Supervisor: Nowack Bernd
ETH Zurich, Dept. of Environmental Systems Science ◆

Hertig Yves

Participation in energy transition - the potential and the coordination of energy communities
Supervisor: Teufel Stefanie
Co-Supervisor: Hilty Lorenz
Uni FR, iimt – international institute of management in technology ○

Pinlova Barbora

Supervisor: Nowack Bernd
Co-Supervisor: Nowack Bernd
ETH Zurich, Dept. of Environmental Systems Science ◆

Restrepo Eliette

Towards an Optimal Recovery of Critical Metals from End of Life Vehicles
Supervisor: Müller Daniel
Co-Supervisor: Wäger Patrick, Widmer Rolf
Norwegian Institute of Science and Technology, NO, Dept. of Energy and Process Engineering, Trondheim, NO ◆

Roca Puigros Marta

Resource and emission scenarios to a post-fossil Swiss city (working title)
Supervisor: Müller Daniel
Co-Supervisor: Wäger Patrick, Böni Heinz, Hilty Lorenz
Norwegian Institute of Science and Technology, NO, Dept. of Energy and Process Engineering, Trondheim, NO ◆

Romeo Daina

Supervisor: Nowack Bernd
Co-Supervisor: Wick Peter

Wenger Delphine

Modeling the flows of microplastics in the environment
Supervisor: Nowack Bernd
Co-Supervisor: Nowack Bernd
ETH Zurich, Dept. of Environmental Systems Science ◆

Yang Tong

Supervisor: Nowack Bernd
Co-Supervisor: Nowack Bernd
ETH Zurich, Dept. of Environmental Systems Science ◆

Zheng Yuanfang

Supervisor: Nowack Bernd
Co-Supervisor: Nowack Bernd
ETH Zurich, Dept. of Environmental Systems Science ◆

Andres Christian

Kesterite thin film solar cells from co-sputtered metal precursors
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Romanyuk Yaroslav
ETH Zurich ○

Aribia Abdessalem

Supervisor: Romanyuk Yaroslav
Co-Supervisor: Romanyuk Yaroslav
ETH Zurich ◆

Avancini Enrico

Investigation of elemental distribution, microstructure and optoelectronic properties of Cu(In,Ga)Se₂ thin film for solar cells
Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Buecheler Stephan
ETH Zurich, Dept. of Information Technology and Electrical Engineering ○

Bolat Sami

Supervisor: Tiwari Ayodhya
Co-Supervisor: Romanyuk Yaroslav
ETH Zurich ◆

Cabas Vidani Antonio

Supervisor: Tiwari Ayodhya
Co-Supervisor: Romanyuk Yaroslav
ETH Zurich ◆

Cherniukh Ihor

Supervisor: Kovalenko Maksym
Co-Supervisor: Bodnarchuk Maryna
ETH Zurich, Laboratory of Inorganic Chemistry ◆

Dubey Romain

Supervisor: Kovalenko Maksym
Co-Supervisor: Kravchyk Kostiantyn
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Feurer Thomas

Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Buecheler Stephan
ETH Zurich, Dept. of Information Technology and Electrical Engineering ○

Hertwig Ramis

Supervisor: Tiwari Ayodhya N.
Co-Supervisor: Bücheler Stephan
University of Liverpool, GB ◆

Hwang Sunhyun

Supervisor: Kovalenko Maksym
Co-Supervisor: Kravchyk Kostiantyn
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Lingg Martina

Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Perrenoud Julian
ETH Zurich ◆

Löckinger Johannes

Design of window and buffer layers for an improved device efficiency in thin-film Cu(In,Ga)Se₂ solar cells
Supervisor: Tiwari Ayodhya
Co-Supervisor: Romanyuk Yaroslav
ETH Zurich ○

Moser Thierry

Supervisor: Tiwari Ayodhya
Co-Supervisor: Bücheler Stephan
ETH Zurich ◆

Okur Faruk

Supervisor: Kovalenko Maksym
Co-Supervisor: Kravchyk Kostiantyn
ETH Zurich, Laboratory of Inorganic Chemistry ◆

Pisoni Stefano

Supervisor: Tiwari Ayodhya Nath
Co-Supervisor: Buecheler Stephan
ETH Zurich ○

Sastre Pellicer Jordi

Supervisor: Tiwari Ayodhya
Co-Supervisor: Bücheler Stephan
ETH Zurich ◆

Wang Shutao

Supervisor: Kovalenko Maksym
Co-Supervisor: Kovalenko Maksym
ETH Zurich, Dept. Chemie und Angewandte Biowissenschaften ○

Yang Shih-Chi

Supervisor: Tiwari Ayodhya N.
Co-Supervisor: Bücheler Stephan
National Taiwan University, CN ◆

Bergaglio Talia

Machine learning augmented clinical level imaging of cells related to pathological diseases
Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS, Dept. of Physics ◆

Braun Oliver

Thermoelectric Effects in Nanoscale Devices
Supervisor: Prof. Zardo Ilaria
Co-Supervisor: Calame Michel
Uni BS ◆

Cao Jingming

Revealing key properties of wood with spectroscopic THz imaging.
Supervisor: Prof. Burgert Ingo
Co-Supervisor: Zolliker Peter
ETH Zurich, Wood Materials Science ◆

Cignarella Chiara

Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS, Dept. of Physics, Uni Roma, IT ◆

Gagnidze Tornike

Investigation of electronic structure at the SrTiO₃/YBa₂Cu₃O_{7-d} interface
Supervisor: Bona Gian-Luca
Co-Supervisor: La Mattina Fabio
Uni ZH ○

Gemma Andrea

Thermal transport at the molecular scale
Supervisor: Calame Michel
Co-Supervisor: Gottsman Bernd
Uni BS, Dept. of Physics ◆

Grotevent Matthias

Ultrasensitive quantum dot-graphene infrared detector arrays
Supervisor: Kovalenko Maxim
Co-Supervisor: Shorubalko Ivan
ETH Zurich. ◆

Jiminez Olalla Nadia

Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS, Dept. of Physics ◆

Lüder Lars

Conductive metal-organic architectures for biochemical sensing
Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS, Dept. of Physics ◆

Mermoud Yves

Ion sensitive transistors for biosensing
Supervisor: Prof. Calame Michel
Co-Supervisor: Prof. Calame Michel
Uni BS ◆

Oswald Jacopo

Hybrid Van der Waals heterostructures for vertical transistors
Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS, Dept. of Physics ◆

Overbeck Jan

Nanojunctions from Molecules to Graphene Nanoribbons: Optical Characterization and Transport Properties
Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS ○

Römmeler Arno

Air coupled ultrasonic defect detection in thin walled polymer specimens with Lamb waves
Supervisor: Dual Jürg
Co-Supervisor: Zolliker Peter
ETH Zurich, Institut für mechanische Systeme ○

Schmuck Oliver

Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS, Dept. of Physics ◆

Transport at Nanoscale Interfaces

Synhaivska Olena
Silicon Nanowire ISFET based sensor for Biochemical Sensing Applications
Supervisor: Calame Michel
Co-Supervisor: Calame Michel
Uni BS ◆

Valzania Lorenzo
Coherent lensless imaging techniques using terahertz radiation
Supervisor: Feurer Thomas
Co-Supervisor: Hack Erwin
Uni BE, Institut für Angewandte Psychologie ○

Urban Energy Systems

Bünning Felix
Supervisor: Lygeros John
Co-Supervisor: Bollinger Andrew
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Dominguez Hernandez Cristina
Supervisor: Carmeliet Jan
Co-Supervisor: Orehounig Kristina
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Fumey Benjamin
Supervisor: Griffiths Philip
Co-Supervisor: Baldini Luca
Built Environment Research Institute, Belfast, UK ◆

Murray Portia
The role of power-to-X technologies in decentralised multi-energy systems
Supervisor: Carmeliet Jan
Co-Supervisor: Orehounig Kristina
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Thrampoulidis Emmanouil
Supervisor: Hug Gabriela
Co-Supervisor: Orehounig Kristina
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Wang Danhong
Supervisor: Schlüter Arno
Co-Supervisor: Orehounig Kristina
ETH Zurich, Dept. of Architecture ◆

Empa Activities 2019

Teaching Activities

Swiss Federal Institute of
Technology, Zürich (ETH)

Civil Engineering	Kubilay Aytac/Carmeliet Jan/Dorostkar Omid/Zhou Xiaohai Moisture Transport in Porous Media
Civil, Environmental and Geomatic Engineering	Buchmann Brigitte/Wang Jing Luftreinhaltung
	Wang Jing Air quality and aerosol mechanics
	Wang Jing Environment and Computer Laboratory: Air quality measurement
	Wang Jing/Buchmann Brigitte Luftreinhaltung
	Wang Jing/Burlando Paolo Environmental Engineering Seminars
	Wang Jing/Wick Peter Air quality and health impact
Dep. of Architecture	Kubilay Aytac/Carmeliet Jan/Dorostkar Omid/Rubin Andreas/Zhou Xiaohai Building Physics: Theory and Applications
	Allan James/Orehounig Kristina Whole building simulation
	Baldini Luca Building Systems
	Baldini Luca Building Systems
	Bollinger Andrew Building Control & Automation
	Bünning Felix Building Control und Automation
	Defraeye Thijs/Carmeliet Jan Building Physics II
	Dorer Viktor Building Systems: Natural and Mech. Ventilation & Urban Energy Systems
	Dorer Viktor Ventilation
	Eggenschwiler Kurt Raumakustik
	Heer Philipp Building Systems
	Orehounig Kristina/Carmeliet Jan/Waibel Christoph Building Physics III: Building Energy Demand and Urban Physics
	Orehounig Kristina/James Allan Whole Building Simulation
	Schoenwald Stefan/Frangi A./Udert K. M. Indoor Environment, Resources and Safety

Dept. of Architecture	Sulzer Matthias Building Systems
	Wunderli Jean Marc/Carmeliet Jan Urban physics
	Zhou Xiaohai/Carmeliet Jan/Dorostkar Omid/Rubin Andreas/Kubilay Aytac Building Physics: Theory and Applications
	Zhou Xiaohai/Carmeliet Jan/Dorostkar Omid/Kubilay Aytac Moisture Transport in Porous Media
Dept. of Chemistry	Reimann Stefan/Zenobi R. Atmospheric Monitoring in course Analytische Strategie
Dept. of Chemistry and Applied Biosciences	Dörner Lars Praktikum in allgemeiner Chemie HS 2018
	Kovalenko Maksym Inorganic Chemistry II
	Kovalenko Maksym/Romayuk Yroslav/ Lippert Thomas Functional Inorganics
Dept. of Civil, Environ- mental and Geomatic En- gineering	Burgert Ingo Holz und Holzwerkstoffe
	Burgert Ingo Holzbearbeitung und -verarbeitung
	Burgert Ingo Holzphysik
	Burgert Ingo Holzstruktur und Funktion
	Burgert Ingo Werkstoffe I
	Burgert Ingo Werkstoffe IV
	Burgert Ingo/Schnider Thomas Zerstörungsfreie Werkstoffprüfung und Zustandsüberwachung
	Eggenschwiler Kurt/Wunderli Jean Marc Lärmbekämpfung
	Frey Marion Werkstoffe III
	Gerber Andreas/Widmer Rolf Prospective Environmental Assessments
	Gfeller Urs/Tuchschnid Martin Experimental & Computer Laboratory
	Ghafoori Elyas/Heydarinouri Hossein/Wang Wandong Fatigue and Fracture in Materials and Structures
	Grönquist Philippe Werkstoffe III
	Henne Stephan/Reimann Stefan/Gerecke Andreas Air Pollution Modeling and Chemistry
Leemann Andreas Alkali-aggregate reaction in concrete, part of the "Concrete Material Science" course	
Losser Roman/Toropovs Nikolajs Werkstoffe III - Beton: Technologie, Festigkeit, Verformbarkeit	
Lura Pietro/Wyrzykowski Mateusz/Griffa Michele Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability	

Dept. of Civil, Environmental and Geomatic Engineering	Motavalli Masoud/Czaderski Christoph/Feltrin Glauco/Ghafoori Elyas/Shahverdi Moslem/Widmann Robert Fibre composite material in structural Engineering
	Rügeberg Markus Werkstoffe III
	Schubert Mark Holzbe- und Verarbeitung
	Steiger René Holzbau I: Holz und Holzwerkstoffe: Ernte, Strukturmerkmale und Produktion von Vollholz
	Steiger René Holzbau II: Erdbebengerechte Konzeption, Bemessung und Konstruktion von Holzbauten
	Wick Peter/Wang Jing/Schleibinger Hans Health Impact, Toxicity and Industrial Hygiene
Dept. of Environmental Systems Science	Wyrzykowski Mateusz/Hu Zhangli Werkstoffe III: Mineralische Bindemittel
	Brunner Dominik/Imad El Haddad Troposphärenchemie
	Nowack Bernd/Bucheli Thomas/Mitrano Denise Nanomaterials in the Environment
Dept. of Health Sciences and Technology	Nowack Bernd/Som Claudia Gesellschaftlicher Umgang mit aktuellen Umweltrisiken
	Annaheim Simon/Eggenberger Patrick Praktikum Thermophysiologie
	Eggenberger Patrick/De Bruin Eling/Krebs Andreas Exercise Sciences
	Nyström Gustav Food Material Science
	Rossi Rene Thermoregulation und Sporttextilien
	Rossi Rene/Spengler Christina Sportphysiologie (Sport in Hitze und Kälte)
Dept. of Information Technology and Electrical Engineering	Wick Peter Nanostructured Materials Safety
	Buecheler Stephan/Romanyuk Yaroslav/Tiwari Ayodhya N. Solar Cells
	Grossmann Günter/Sennhauser Urs Physics of Failure and Failure Analysis of Electronic Devices and Equipment
	Held Marcel/Sennhauser Urs Reliability of Electronic Equipment and Systems
	Heutschi Kurt Acoustics 1
	Heutschi Kurt Acoustics 2
	Romanyuk Yaroslav/Tiwari Ayodhya/Buecheler Stephan Solar Cells
	Tiwari Ayodhya Nath/Romanyuk Yaroslav/Buecheler Stephan Solar Cells
Dept. of Inform. Technol. Electrical Eng.	Pignedoli Carlo Antonio/Passerone Daniele Molecular and Materials Modelling

Dept. of Mechanical and Process Engineering	Terrasi Giovanni P. GL zum Bemessen von Kunststoffbauteilen
	Van Damme Bart/Noiray Nicolas/Zemp Armin Engineering Acoustics I
	Zemp Armin/Van Damme Bart/Noiray Nicolas Engineering Acoustics I
Dept. of Mechanical and Process Engineering / IDSC	Omanovic Andyn Vehicle Propulsion Systems
Electrical Engineering and Information Technology	Passerone Daniele/Pignedoli Carlo Molecular and Materials Modeling
Environmental Systems Science	Mohn Joachim/Werner Roland/Buchmann Nina/Siegwolf Rolf Stable Isotope Ecology of Terrestrial Ecosystems
	Yu Longfei/Werner Roland/Buchmann Nina/Gessler Arthur Stable Isotope Ecology of Terrestrial Ecosystems
Gesundheitswissenschaften und Technologie	Maniura Katharina Biocompatible Materials
	Maniura Katharina Principles in Tissue Engineering
	Rottmar Markus Biocompatible Materials
Institut für Mechanische Systeme	Hopf Raoul Dimensionieren 1
	Hopf Raoul Mechanics 1: Kinematics and Statics (Colloquium)
Institute for Atmospheric and Climate Science	Reimann Stefan/Peter Thomas/Stenke Andrea Stratospheric chemistry
Labor für Umwelt-ingenieurwissenschaften	Tuchschmid Martin/Gfeller Urs Mobile Röntgenfluoreszenz-Spektrometrie
Materials Science (Dept. of Materials)	Cancellieri Claudia/Schmutz Patrik Surfaces, Interfaces and their Applications II
	Schmutz Patrik Surfaces, Interfaces and their Applications II
	Schmutz Patrik/Guseva Olga Practical course III/IV: Introduction in Electrochemical Impedance Spectroscopy (EIS). Examples of batteries and anodized barrier oxides characterization
Materials Sciences	Wäger Patrick/Beloin Saint-Pierre/Didier/Böni Heinz/Widmer Rolf Sustainable Materials Management: Concepts, Methods and Principles
Materials Sciences/Chemistry	Opris Dorina Materials Science II. Introduction to Macromolecular Chemistry
SCCER Mobility	Bach Christian MAS/CAS Mobilität der Zukunft
	Calame Michel/Glatzel Thilo/Braun Oliver Molecular and carbon-based electronic systems (2 CP)
Faculty of material science and ceramics	Graule Thomas Synthesis of nanosized particles and their application in nanoceramics and nanocomposite technology
Institute of Earth and Environmental Sciences	Remhof Arndt Röntgenpulverdiffraktometrie
	Remhof Arndt Aktuelle Fragen der Kristallzüchtung - Recent Publications
	Remhof Arndt X-Ray Diffraction by Crystals

Carleton University,
Ottawa, CN

École Polytechnique
Fédérale, Lausanne (EPF)

Fachhochschule Nordwest-
schweiz

Fachhochschule Nordwest-
schweiz FHNW

	Raab Christiane Ageing behavior of energy reduced pavements.
	Raab Christiane Asphalt Interlayer Bonding.
	Raab Christiane Improving pavement's properties using the AMIR II compactor.
Civil and Environmental Engineering	Raab Christiane 100% cold recycling for low volume roads.
	Lüthi Thomas Non-destructive Evaluation Methods
	Michler Johann Materials Selection
	Michler Johann/ Introduction to Scanning Electron Microscopy Microanalysis Techniques
	Philippe Laetitia/van Herle Jan (EPFL) 'Electrochemistry for Materials Technology'
	Utke Ivo/Hoffmann Patrik MSE 619 Nanofabrication with focused electron and ion beams
	Züttel Andreas Thermodynamics of energy conversion
Atmospheric Chemistry Modelling Laboratory	Reimann Stefan/Takahama Satoshi Measurements of air pollutants
CCMX, held in Dübendorf	Neels Antonia/Dommann Alex CCMX "ADVANCED X-RAY DIFFRACTION METHODS FOR COATINGS: STRAIN, DEFECT AND DEFORMATION ANALYSIS OF THIN FILMS"
Dept. of Physics	Nüesch Frank Modern Photovoltaic Technologies (lecture total of 12h)
EDPO-Doctoral school	Romanyuk Yaroslav/Nüesch Frank/Haug Franz-Josef Modern photovoltaic technologies
Institut für Materialwissenschaften	Nüesch Frank Organic Semiconductors (lecture 2h per week, exercise 1h per week)
Laboratory of Materials for Renewable Energy	Züttel Andreas Chimie général avancer 160a
Materials Science	Maeder Xavier/ Introduction to Scanning Electron Microscopy Microanalysis Techniques
Materials Science and Engineering	Leinenbach Christian/Plummer Christopher Assembly Techniques
Microtechnique	Hoffmann Patrik Chimie des Surfaces
Microtechnique; Materials Science and Engineering, Mechanical Engineering	Hoffmann Patrik Laser Microprocessing
STI	Vaucher Sébastien/Siegmann Stephan/Michler Johann Materials Selection
	Eggenschwiler Kurt/Gebhardt Kevin/Haselbach Markus/Heutschi Kurt/Pachale Urs/Schoenwald Stefan/Wunderli Jean Marc Messpraktikum, CAS Akustik
	Wäger Patrick Studiengang Energie- und Umwelttechnik, Modul Abfallwirtschaft und Recycling
Life Sciences School Institute for Ecopreneurship	Zennegg Markus Environmental Risk Assessment
CAS Betontechnologie	Leemann Andreas Neues aus der Forschung.

Harbin Institute of Technology (HIT), Harbin, CN	School of Civil Engineering	Meier Urs Advanced Fiber Reinforced Polymers in Civil Engineering.	
	HF TGZ, Wallisellen	Hischier Roland Ökologie	
	Hochschule Albstadt Sigmaringen, DE	Ingenieurwissenschaftliche Fakultät Mader Clemens Technology Assessment and Sustainability.	
	Hochschule Luzern	Dept. of Informatics Mader Clemens Technology Assessment on AI and Education.	
	Hochschule Luzern, HSLU		Sulzer Matthias/Schlüter Arno EEIS (Energieversorgung Areale).
		Innovation and Technology Management	Bollinger Andrew Sustainable Energy Systems.
Technik & Architektur, T&A		Dorer Viktor Natural and Hybrid Ventilation.	
HSR Hochschule für Technik Rapperswil	IBU Institut für Bau und Umwelt	Czaderski Christoph Tragwerksverstärkung, FH:	
	Imperial College London, UK	Kovac Mirko Mechanics	
KTH Stockholm, SE	Dept. of Aeronautics	Kovac Mirko Aircraft Systems Engineering and Aerial Vehicle Technologies	
	School of Computer Science and Communications	Hilty Lorenz Sustainable Development for Computer Science and Engineering.	
MUL Montanuniversität Leoben, AT	Dept. of Polymer Engineering and Science	Gooneie Ali/Holzer Clemens/ Gonzalez-Gutierrez Joamin/ Polymer Nanotechnology.	
Norwegian Institute of Science and Technology, Trondheim, NO	Dept. of Structural Engineering	Lothenbach Barbara/De Weerd Klaartje/Winnefeld Frank/Kunther Wolfgang Doctoral course: Thermodynamic modelling of cementitious systems	
	Polytech Nantes, FR	Dept. Matériaux Beloin-Saint-Pierre Didier Introduction à l'analyse du cycle de vie: Concepts, méthodes et principes.	
SVI, Zurich	Packaging Manager / Grundlagenseminar	Hischier Roland Ökologie im Verpackungsbereich	
Technische Universität Freiberg, DE	Limnologische Station	Jacob Peter Einführung in die Rasterelektronenmikroskopie	
	Verfahrens- und Umwelttechnik	Graule Thomas/Aneziris Christos Nanoskale Verbundwerkstoffe: Eine Herausforderung für die Prozesstechnik	
	Faculty of Physiotherapy Graubünden	Eggenberger Patrick Modul Lebensphasen, Training und körperliche Aktivität vom Kindes- bis zum Seniorenalter.	
Univ. of Applied Sci. of Southern Switzerland, SUPSI	Dipartimento di Energia	Dimopoulos Eggenschwiler Panayotis/Gambarotta Agostino Exhaust Aftertreatment	
	Università degli studi Parma, IT	Schwarze Francis Pilze als Schlüsselfaktoren in Umweltfragen	
	Universität Freiburg im Breisgau, DE	Forest Sciences Schwarze Francis Bäume in der Stadt	
Universität St. Gallen		Wäger Patrick/Hilty Lorenz; Hischier Roland; Mader Clemens; Widmer Rolf Bedingt die Energiewende eine Rohstoffwende?.	
	School for Humanities and Social Sciences	Wäger Patrick/Desing/Harald; Haarman/Arthur; Widmer/Rolf Auf dem Weg zu einer Kreislaufwirtschaft: Bedingungen, Möglichkeiten und Grenzen.	
Université de Haute Alsace, Mulhouse, FR	Laboratoire de Physique et Mécanique Textiles	Rossi Rene Confort au porter	

Université de Pau et des Pays de l'Adour, Pau, FR	Laboratoire des Fluides Complexes et Leurs Réservoirs (LFCR)	Griffa Michele/Moonen Peter/Derluyn Hannelore/Sheppard Adrian/Aelterman Jan/Hall Stephen/Liebi Marianne/Bultreys Tom/Blunt Martin/King Andrew/Tengattini Alessandro Imaging Summer School 2019. Summer School for PhD students.
		Raab Christiane/Bueche Nicolas AK Strassenbaumaterialien
University of Applied Sciences, Berne	Holz, Architektur und Bau	Raab Christiane/Bueche Nicolas AK Strassenbaumaterialien
	Lebensmitteltechnologie	Hischier Roland Verpackungen unter ökologischer Betrachtung
University of Applied Sciences, Horw		Eggenschwiler Kurt Bau-/Raumakustik CAS Akustik
	Energietechnik	Heer Philipp Energietechnik
University of Applied Sciences, Wädenswil		Eggenschwiler Kurt Lärmbekämpfung
		Heeb Norbert Vertiefungspraktikum Analytische Chemie
	Departement Life Sciences Institut für Chemie und Biotechnologie ICBT	Zennegg Markus Ökologie für Chemiker. Persistente organische Schadstoffe in der Umwelt
	ICBT Institut für Chemie und Biotechnologie	Gauch Marcel Umweltaspekte: Biomasse als Ressource
University of Applied Sciences, Winterthur	Institute for Chemistry and Biotechnology	Heeb Norbert Cluster Chemistry and Energy, Energy and Mobility
	Institut Umwelt und Natürlich Ressourcen	Hueglin Christoph/Krebs Rolf Umweltchemie und Analytik
	Institute of Chemistry and Biological Chemistry	Heeb Norbert Ökologie Vorlesung: Chemie und Umwelt
	Dept. of Architecture	Eggenschwiler Kurt Das auditive Potenzial von Fassaden im Stadt- und Wohnraum
	Inst. of Materials and Process Engineering	Hegemann Dirk/Winkler Martin/Schneider Toni/Siegmann Stefan Beschichtungen
	Verfahrenstechnik, Dept. of Industrial Technologies	Clemens Frank/Penner Dirk Funktionsmaterialien
University of Applied Sciences, Zurich	ICBT Institut für Chemie & Biotechnologie (Urs Baier)	Borgschulte Andreas/Bach Christian/(Cabalzar Urs) Wasserstoff als Energieträger: Produktion – Speicherung – Nutzung
	Institut für Nachhaltige Entwicklung (INE)	Cabalzar Urs Fahren und Fliegen mit Biofuel
University of Basel		Sadeghpour Amin Materials Science and Biomaterials
	Biomedical Engineering	Sadeghpour Amin Materials in Medicine: Nanostructural Analysis
	Dept. of Physics	Calame Michel/Jimenez -Olalla Nadia/ Schmuck Oliver Project Work Nanoscience Blockkurs
		Calame Michel/Zumbühl Dominik Introduction to Physics I 6 CP
	Dept. Physics, SNI	Shorubalko Ivan/Calame Michel/Huan Ma Focused Ion Beams
	Umweltgeo--wissenschaften	Reimann Stefan Umweltsystem Atmosphäre: Luftverschmutzung und Klimaerwärmung

University of Berne	Biomedical Engineering	Maniura Katharina/. Applied Biomaterials
	Departement für Chemie und Biochemie	Fasel Roman Introduction to the Physics and Chemistry of Surfaces
	Medizinische Fakultät, Biomedical Engineering	Dommann Alex/Luginbuehl Reto (Bio)Materials
	Medizinische Fakultät, Biomedical Engineering	Dommann Alex Applied Biomaterials
	MSc programme Biomedical Engineering	Schwiedrzik Johann Jakob/Guenat Olivier/Obrist Dominik Introduction to Biomechanics
University of Coimbra, PT	Dept. of Chemistry	Koebel Matthias Aerogel training school: Aerogels processing, modelling and environmental-driven applications.
	Institute of Infrastructure	Terrasi Giovanni P. Mechanics for repairing and strengthening structures.
University of Edinburgh, UK		
University of Fribourg		Züttel Andreas Umweltwissenschaften, Physik
	Dept. of Chemistry	Neels Antonia Applied X-ray Diffraction Methods
	Laboratory of Materials for Renewable Energy	Züttel Andreas Physik im Alltag
University of Insubria, Como, IT	Science and High Technology	Frison Ruggero Total Scattering for Nanotechnology.
University of Svalbard, UNIS, Longyearbyen, Svalbard, NO	Arctic Technology	Reimann Stefan/Schmidbauer Norbert Techniques for the Detection of Organo-Chemical Pollutants in the Arctic Environment.
University of Teheran, IR		Motavalli Masoud/Ghafoori Elyas/Shahverdi Moslem Fibre composite material in structural Engineering
		Shahverdi Moslem Fatigue of Materials and Structures
	Faculty of Civil Engineering	Motavalli Masoud/Ghafoori Elyas/Shahverdi Moslem Fibre Composite material in Structural Engineering
University of Zurich		Borgschulte Andreas NanoChemistry
		Hilty Lorenz Informatik, Ethik und Gesellschaft
		Hilty Lorenz/Chesney Marc/Huppenbauer Markus/Schmid Bernhard/Spaak Piet/Michaelow Katharina a u.a. Einführung in die Grundlagen der Nachhaltigkeit
		Hilty Lorenz/Gonçalves João Digitalisation and Sustainable Development
		Kuhlmann Gerrit Remote Sensing of the Atmosphere
		Rottmar Markus Regenerative Medicine and Applied Tissue Engineering
	Chemistry	Ernst Karl-Heinz/Seeger Artus Advanced Physical Chemistry
	Dept. of Biology	Maniura Katharina Regenerative Medicine and Applied Tissue Engineering
	Dept. of Chemistry	Bleiner Davide Laser Ablation Chemistry

University of Zurich

Dept. of Geography	Kuhlmann Gerrit/Henke Daniel et al. Fernerkundung und Geographische Informationswissenschaft V (Methoden der Fernerkundung)
Dept. of Informatics	Gerber Andreas/Goncalves Joao/Hilty Lorenz Digitalization and Sustainable Development
Dept. of Informatics	Hilty Lorenz Wirtschaftsinformatik I
Dept. of Physics	Mishra Shantanu Laboratory Course for Bachelor Students in Physics
Nanochemistry	Siol Sebastian/Borgschulte Andreas Applications II: From light to electricity
Dept. of Music	Heutschi Kurt Audiotechnik

**ZHdK Zurich University
of the Arts**

Empa Activities 2019

Publications

Empa staff publish in many national and international scientific and technical journals as well as in daily press and other special organs. Please note that the list below represents only the scientific and technical journals.

General Management

Antonini, C./Wu, T./Zimmermann, T./Kherbeche, A./Thoraval, M. J./Nyström, G./Geiger, T.

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Arroyo Rojas Dasilva, Y./Erni, R./Isa, F./Isella, G./von Känel, H./Gröning, P./Rossell, M. D.

Atomic-scale structural characterization of grain boundaries in epitaxial Ge/Si microcrystals by HAADF-STEM. *Acta Mater.* 2019, 167, 159–166. <https://doi.org/10.1016/j.actamat.2019.01.031> (joint paper) ▲

Arroyo Rojas Dasilva, Y./Isa, F./Isella, G./Erni, R./von Känel, H./Gröning, P./Rossell, M. D.

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Ast, J./Balogh-Michels, Z./Döbeli, M./Dommann, A./Gindrat, M./Maeder, X./Neels, A./Polyakov, M. N./Rudigier, H./Widrig, B./et al.

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Structural insights into semicrystalline states of electrospun nanofibers: a multiscale analytical approach. *Nanoscale* 2019, 11 (15), 7176–7187. <https://doi.org/10.1039/C9NR00446G> ▲

Mohr, M./Wunderlich, R. K./Zweiacker, K./Prades-Rödel, S./Sauget, R./Blatter, A./Logé, R./Dommann, A./Neels, A./Johnson, W. L./et al.

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Empa Activities 2019

Conferences

General Management

Bona Gian-Luca

International Journal and Open Data. Symposium to commemorate the 20th anniversary of Science and Technology of Advanced Materials (STAM), Tokyo, JP, 2019-11-01 🍷 ○

Buchmann Brigitte

Empa – The Place where Innovation Starts. SCS Spring Meeting, "Novel Pathways in Materials Science", Dübendorf Empa, 2019-04-05 🍷 ○

Buchmann Brigitte

SCS Spring Meeting, "Novel Pathways in Materials Science," Dübendorf Empa, AKADEMIE, 2019-04-05 ▲

Buchmann Brigitte

Energy Research at Empa. European Power Network, Dübendorf, 2019-05-23 🍷 ○

Buchmann Brigitte

Erste 700 bar Wasserstoff-Tankstelle der Schweiz. Konferenz 700 bar Wasserstoff-Tankstelle, Dübendorf, 2019-06-06 🍷 ○

Buchmann Brigitte

Meine Karriere – hätte auch ganz anders verlaufen können. Aktivitäten zum Frauentreiktag, Kantonale Mittelschule Stadelhofen, Zürich, 2019-06-14 🍷 ○

Dommann Alex

Wie man das Anwendungsspektrum von Beschichtungen in einem interdisziplinären Ansatz zwischen Industrie und Wissenschaft erweitert. Oerlikon PRC Customer Day, Balzers, LI, 2019-06-25 to 06-26 🍷 ○

Dommann Alex

MS32: New Insights into Non-Covalent Bondings. ECM 32, Vienna, AT, 2019-08-18 to 10-23 ▲ ○

Dommann Alex

Thin films. CCMX Summer School "Characterization of Materials", EPFL, 2019-09-02 to 09-04 🍷 ○

Dommann Alex

Materials meet Medicine: Examples of a fruitful collaboration. KSSG Medizinisches Forschungszentrum, St.Gallen, 2019-09-11 🍷 ○

Dommann Alex

The ecosystem of digital health start-up and new initiatives. KSSG Symposium "Digital health: The future is now", St.Gallen, 2019-11-14 ▲ ○

Dommann Alex/Antonia Neels

Surface Analysis, Characterisation. CCMX Winterschool 2019, Kandersteg, 2019-01-29 🍷 ○

Dommann Alex/Antonia Neels

Bioimaging – how x-ray techniques are able support precision medicine. Nanoengineering for Mechanobiology, Camogli, IT, 2019-03-24 to 03-27 🍷 ○

Dommann Alex/Neels Antonia

Recent X-ray based developments for amorphous and crystalline Biomaterials for non-invasive investigations. International Congress on Advanced Materials Sciences and Engineering, Osaka, JP, 2019-07-22 to 07-24 🍷 ○

Dommann Alex/Antonia Neels

HR-XRD Methods. CCMX Summer School "Characterization of Materials", EPFL, 2019-09-02 to 09-04 🍷

Dommann Alex/Antonia Neels/Simone Dolabella

MEMS reliability analysis using X-ray techniques. 16th International Conference on Reliability and Stress-related Phenomena in Nano and Microelectronics (IRSP 2019), San Jose, US, 2019-11-04 to 11-06 🍷 ○

Dommann Alex/Neels Antonia/Sadeghpour Amin/Wick Peter

Nano-particles agglomeration in different biological media. NanoTech 2019, Boston, US, 2019-06-17 to 06-19 🍷 ○

Dommann Alex/René M. Rossi

Forschungsschwerpunkt "Gesundheit und Leistungsfähigkeit". Stiftungsratssitzung ITEM-HSG Institute of Technology Management, St.Gallen, 2019-05-15 🍷 ○

Dommann Alex/René M. Rossi

Forschungsschwerpunkt "Gesundheit und Leistungsfähigkeit". Rotary Club, St.Gallen, 2019-09-16 🍷 ○

Dommann Alex/Rossi René M.

Neues Gewebe für Astronauten und Sportler. SATW TecDay 2018, Luzern, 2019-01-15 🍷 ○

Dommann Alex/Rossi René M.

Wie helfen uns die Astronauten die Pflege zu verbessern? Generalversammlung der Lungenliga St.Gallen-Appenzell, St.Gallen, 2019-05-07 🍷 ○

General Management

- Dommann Alex/Rossi René M.**
Revolutionizing global health with connected medical devices. Bosch Conversations "Revolutionizing global health with connected medical devices", Basel, 2019-10-23 🍷 ○
- Dommann Alex/Rossi René M.**
Materialien in Wechselwirkung mit dem menschlichen Körper. Trends in Micro Nano, St.Gallen, 2019-10-28 🍷 ○
- Dommann Alex/Tina Bürki-Turnherr**
How to improve in vitro models. Alumni Biomedical Sciences Animal and Ehtic Day, Bern, 2019-10-10 🍷 ○
- Richner Peter**
NEST – Exploring the Future of Buildings. Séminaire Immobilier, Geneva, 2019-09-19 🍷 ○
- Richner Peter**
Der Gebäudpark im Wandel. Gebäudetechnik Kongress, Luzern, 2019-10-03 🍷 ○

Advanced Materials and Surfaces

Advanced Materials Processing

- Arabi-Hashemi Ariyan/Griffiths Seth/Maeder Xavier/Leinenbach Christian**
3D Magnetic Patterning in Additive Manufacturing via site-specific in-situ Alloy Modification. AAMS 2019, Göteborg, SE, 2019-09-18 to 09-20 🍷
- Arabi-Hashemi Ariyan/Seth Griffiths/Xavier Maeder/Christian Leinenbach**
3d Magnetic Patterning of Steel by Selective Laser Melting. ICMAT 2019, Singapore, SG, 2019-06-23 to 06-28 🍷
- Arabi-Hashemi Ariyan/Zweiacker Kai/Griffiths Seth/de Luca Anthony/Leinenbach Christian**
Alloy Design for Additive Manufacturing – Challenges and Opportunities for High temperature Applications. Turbine Forum 2019, Nizza, FR, 2019-05-08 to 05-10 🍷 ○
- Cui Di/Mohanta Antaryami/Leparoux Marc/Hoffmann Patrik/Favre Sébastien/Tortorici Pete**
Direct 3D Printing of Dissimilar Materials. Medtronic Science & Technology Conference, Minneapolis, US, 2019-10-01 to 10-03 🍷 ○
- De Luca Anthony/Kenel Christoph/Liashenko Oleksii/Pado Joanna/Griffith Seth/Dunand David C./Leinenbach Christian**
Processing of Oxide Dispersion Strengthened Materials by Selective Laser Melting. Euromat 2019, Stockholm, SE, 2019-09-01 to 09-05 🍷
- Drissi Daoudi Rita/Sergey A. Shevchik/Kilian Wasmer/and Roland Logé**
Selective Laser Melting Monitored by Acoustic Emission and Tomography Characterizatio. Material Science & Technology Conference 2019 (MS&T19), Portland, US, 2019-09-29 to 10-03 🍷
- Geler Kremer Jacqueline/Eltas Felix/Caimi Daniele/Fompeyrine Jean/Abel Stefan**
Multi-level Photonic Weights Based on Ferroelectric Domain Switching in Barium Titanate Thin Films. Joint ISAF/EMF/ICE/IWPM/PFM Conference (f2cPi2 2109), Lausanne, 2019-07-14 to 07-19 🍷
- Griffiths Seth/Ivas Toni/Wrobel Rafal/Leinenbach Christian**
Additive Manufacturing of Ni-base Superalloy CM247LC. Alloys for Additive Manufacturing Symposium 2019, Goteberg, SE, 2019-09-18 to 09-20 🍷
- Hoffmann Patrik**
Swiss Photonics – Annual SNAP meeting, Empa Thun, 2019-04-04 ▲
- Hoffmann Patrik**
Laser polishing. NTN Innovative Surfaces – Industrielle Nachbearbeitung 3-D Druck Teile, Aarau High Tech Center - Brugg - Windisch, 2019-05-22 🍷 ○
- Hoffmann Patrik**
Laser materials processing. Alu – Kongress, Victorinox Ibach-Schwyz, 2019-05-23 🍷 ○
- Hoffmann Patrik**
Materials processing with Lasers – any limits? Swiss NanoConvention 2019, Swiss Tech Conference Center Lausanne, 2019-06-06 🍷 ○
- Hoffmann Patrik**
Photonic Technologies 4 intelligent processing, Palexpo Genève, 2019-06-19 ■
- Hoffmann Patrik**
Recent advances in 3-D metal printing with Lasers – Is it all about cooling rates? Lasers in Manufacturing (LiM 2019), Messe München, DE, 2019-06-23 to 06-27 🍷 ○
- Hoffmann Patrik**
Selective materials deposition and etching from the gas phase – selectivity and limitations. EuroCVD 22- Baltic ALD 16 / 2019 Conference, Luxembourg, LU, 2019-06-26 to 06-27 🍷
- Hoffmann Patrik**
Visit US-Air Force Research Laboratory at Empa, IBM Rüschlikon, NEST, Empa Thun, Empa Lausanne, 2019-10-14 to 10-17 ■
- Hoffmann Patrik**
Empa the place where innovation starts. Industry days at EPFL, Swiss Tech conference center - Lausanne, 2019-11-20 to 11-21 🍷

Kwon Hansang/Kim Kyungju/Leparoux Marc

Functionally Graded Graphene Nanotube Reinforced Al Alloy Matrix Composites Fabricated by Direct Extrusion Process. AMSE – International Congress on Advanced Materials Sciences and Engineering, Osaka, JP, 2019-07-22 to 07-24 ●

Le Quang Tri/Meylan Bastian/Wasmer Kilian

Laser Welding – Control of Microstructure with Wobble Technique. Lasers in Manufacturing 2019 (LiM2019), München, DE, 2019-01-24 to 01-27 ●

Leinenbach Christian

Microstructure control during laser additive manufacturing – what possibilities do we have? IMDEA Materiales Madrid seminar talk, Madrid, ES, 2019-02-05 ● ○

Leinenbach Christian

Additive Manufacturing and Welding: Mechanical Metallurgy of Rapidly Solidified Metals. TMS 2019, San Antonio, US, 2019-03-10 to 11-14 ▲

Leinenbach Christian

Controlling phase and microstructure formation in alloys during laser additive manufacturing. Polish Metallurgy Day 2019, AGH Krakow, Krakow, PL, 2019-05-09 ● ○

Leinenbach Christian

Alloy Design for Additive Manufacturing – From Fundamental Rapid Solidification Tests to 3D-printed Parts. Nanyang technological University (NTU), Seminar Talk, Singapore, SG, 2019-06-21 ● ○

Leinenbach Christian

Additive Manufacturing: From Fundamentals to Applications. 10th International Conference on Materials for Advanced Technologies (ICMAT), Singapore, SG, 2019-06-23 to 06-28 ▲ ○

Leinenbach Christian

Fabrication of novel alloys and (nano-)composites by laser-based additive manufacturing. Additive International, Nottingham, GB, 2019-07-09 to 07-11 ● ○

Leinenbach Christian

Alloy Design for Additive Manufacturing: Developing New Feedstock Materials. Material Science & Technology Conference 2019 (MS&T19), Portland, US, 2019-09-29 to 10-03 ▲ ○

Leinenbach Christian/De Luca Anthony/Li Xiaoshuang/Kenel Christoph/Dunand David

Playing with the non-equilibrium states –additive manufacturing of metastable alloys and metal matrix (nano-) composites. 10th International Conference on Materials for Advanced Technologies (ICMAT), Singapore, SG, 2019-06-23 to 06-28 ● ○

Leparoux Marc

AMAN/NCEM. Conference on graphene materials and additive manufacturing, Empa Thun, 2019-03-27 to 11-28 ▲

Leparoux Marc/Kollo Lauri/Kwon Hansang/Kallip Kaspar/Kishore Babu Nagumothu/AIOgab Khaled/Talari Mashesh Kumar

Simple Processing of Aluminum Matrix Nanocomposites with Outstanding Mechanical Strength. AMSE – International Congress on Advanced Materials Sciences and Engineering, Osaka, JP, 2019-07-22 to 07-24 ● ○

Li Xiaoshuang/Spierings Adriaan/Wegener Konrad/Leinenbach Christian

Characterization of Cu-Sn-Ti based Metal-Diamond Composites Fabricated by Selective Laser Melting. TMS 2019, San Antonio, US, 2019-03-10 to 11-14 ●

Li Xiaoshuang/Griffiths Seth/Ivas Toni/Spierings B. Adriaan/Wegener Konrad/Leinenbach Christian

Novel Cu-Sn-Ti based Metal-Superabrasive Composites by Selective Laser Melting. ICMAT 2019, Singapore, SG, 2019-06-23 to 06-28 ●

Liashenko Oleksii/Liashenko Oleksii/Lindström Viktor/Zweiacker Kai/Derevianko Serhii/Morozovych Vladyslav/Lyashenko Yurii/Leinenbach Christian

Selective laser melting of spherical copper powder: effect of the powder coating. Colloque national – Poudres 2019: Matériaux frittés et fabrication additive, Grenoble, FR, 2019-05-22 to 05-24 ●

Liashenko Oleksii/Derevianko Serhii/Morozovych Vladyslav/Bouvard Didier/Lyashenko Yurii

The solid state reactions in powder soldering mixtures of Cu-Sn system. Colloque national – Poudres 2019: Matériaux frittés et fabrication additive, Grenoble, FR, 2019-05-22 to 05-24 ◆

Liashenko Oleksii/Lindström Viktor/Derevianko Serhii/Morozovych Vladyslav/Lyashenko Yurii/Leinenbach Christian

Coating of copper powder for improved processability during laser additive manufacturing. Euromat 2019, Stockholm, SE, 2019-09-01 to 09-05 ●

Lindström Viktor/Liashenko Oleksii/Zweiacker Kai/Leinenbach Christian

Powder coating as an alloying strategy for selective laser melting of copper alloys. AAMS 2019 – Alloys for Additive Manufacturing Symposium, Göteborg, SE, 2019-09-18 to 09-20 ●

McKeown Joseph/Roehling J/Griffiths S/Zweiacker K/Clarke A/Leinenbach C/Wiezorek J/Matthews M

Measurements of Microstructure Evolution and Kinetics during Laser-induced Rapid Solidification of Al-based Alloys. TMS 2019, San Antonio, US, 2019-03-10 to 03-14 ●

Meylan Bastian/Calderon Ivan/Masserey Alexandre/Boillat Eric/Wasmer Kilian

Investigations of Surface Laser Melting of Tool Steel. Lasers in Manufacturing 2019 (LiM2019), München, DE, 2019-01-24 to 01-27 ●

Mohanta Antaryami/Lanfant Briac/Leparoux Marc

In-situ optical emission spectroscopic investigation of direct laser melting process during fabrication of Ti-6Al-4V parts. Lasers in Manufacturing Conference 2019, International Congress Center, Munich, DE, 2019-06-24 to 06-27 🍷

Mohanta Antaryami/Lanfant Briac/Leparoux Marc

Spectroscopic investigation of Ar/H₂/CH₄ and Ar/H₂/C₂H₂ induction plasma for understanding chemical kinetics of CH₄ and C₂H₂ dissociation during graphene nano-flakes production. Global Conference on Carbon Nanotubes and Graphene Technologies (Graphene Technology-2019), Milan, IT, 2019-03-28 to 03-29 🍷 ○

Schuster Marvin Lennard/Grolimund Daniel/Ferreira Sanchez Dario/Zweiacker Kai/Griffiths Seth/De Luca Anthony/Leinenbach Christian

Computer-assisted screening of aluminum alloys for rapid solidification applications. Alloys for Additive Manufacturing Symposium (AAMS), Göteborg, SE, 2019-09-18 to 09-20 💎

Shevchik Sergey/Wasmer Kilian/Le Quang Tri

Machine learning for quality monitoring and control in laser processing: first steps to Industry 4.0. World congress on Artificial Intelligence & Machine Learning, Valencia, ES, 2019-10-24 to 10-25 🍷

Wasmer Kilian

ML for in situ and real-time monitoring of highly dynamic processes. Applied Machine Learning Days (AMLD), Lausanne, 2019-01-26 to 01-29 🍷

Wasmer Kilian

SMT roundtable "ADVANCED PHOTONIC MACHINES FOR MODERN MANUFACTURING", Palexpo Geneva, 2019-06-20 ▲

Wasmer Kilian

AM Process Control Using a Machine Learning Approach. Material Science & Technology Conference 2019 (MS&T19), Portland, US, 2019-09-29 to 10-03 🍷

Wasmer Kilian

When acoustic emission (AE) and artificial intelligence (AI) meets tribology. Swiss Tribology, Brugg, 2019-11-12 🍷 ○

Wasmer Kilian/Le Quang Tri/Meylan Bastian/Olbinado Maggy P./Rack Alexander/Shevchik Sergey A.

Monitoring of Laser Welding/AM Processes Combining High Speed X-Ray Imaging, Acoustic Sensors and Artificial Intelligence. Lasers in Manufacturing 2019 (LiM2019), München, DE, 2019-01-24 to 01-27 🍷

Wasmer Kilian/Quang-Le Tri/Shevchik Sergey A./Violakis Georgios

Piezo acoustic versus opto-acoustic sensors in laser processing. 2. Kolloquium Schallemission und 3. Anwenderseminar Zustandsüberwachung mit geführten Wellen, Karlsruhe, DE, 2019-03-27 to 03-28 🍷 ○

Wróbel Rafal/Griffiths Seth/Leinenbach Christian

Influence of Processing Parameters on Microstructure and Crack Formation during selective laser melting of a L12-strengthened Ni superalloy. Alloys for Additive Manufacturing Symposium 2019, Göteborg, SE, 2019-09-18 to 09-20 💎

Zanolli Silvio/Masinelli Giulio/Shevchik Sergey A./Wasmer Kilian

Investigation of Scuffing Combining Acoustic Emission and State-of-The-Art Signal Processing. 7th European Conference on Tribology (ECOTRIB 2019), Wien, AT, 2019-06-12 to 06-14 🍷

Zweiacker Kai Walter/Griffiths Seth/Li Xiaoshuang/Kenel Christoph/Grolimund Daniel/Ferreira Sanchez Dario/McKeown Joe/Leinenbach Christian

Investigation of the complex thermal exposure of AM processes utilizing high spatio-temporal in-situ DTEM and in-situ synchrotron X-Ray techniques for Aluminum based alloy. TMS 2019, San Antonio, US, 2019-03-08 to 03-17 🍷

Ahmad Nabeel/Bon Marta/Passerone Daniele/Erni Rolf

Liquid Phase In Situ study of Ag@Au Bimetallic Nanostructures. SCANDEM, Gothenberg, SE, 2019-06-11 to 06-14 💎

Campanini Marco/Keller Debora/Henninen Trond R./Bon Marta/Wang Feng/Ahmad Nabeel/Rossell Marta D./Erni Rolf

Exploring Phase Transformations by in-situ Scanning Transmission Electron Microscopy. Swiss Society for Optics and Microscopy (SSOM) Meeting, ScopeM, HPM H33, ETH Zürich, 2019-10-30 🍷 ○

Campanini Marco

Probing local order in multiferroics by phase-contrast S/TEM. Seminar Lecture at the Mesoscopic Systems Group (event organized by Prof. Laura Heyderman), Paul Scherrer Institute (PSI), Villigen, 2019-02-21 🍷 ○

Campanini Marco/Nordlander Johanna/Trassin Morgan/Fiebig Manfred/Yang Chan-Ho/Ramesh Ramamoorthy/Rossell D. Marta

Direct Imaging of Polarization Gradients by Atomic Resolution Differential-Phase Contrast STEM. Electronic Materials and Applications 2019 (EMA 2019), Orlando, US, 2019-01-23 to 01-25 🍷 ○

Erni Rolf

Advances in 3D imaging: 3D Symposium SSOM, Engelberg, 2019-10-01 ▲

Erni Rolf

3D Symposium SSOM, Engelberg, 2019-10-01 to 10-04 ■

Erni Rolf/Campanini Marco/Rossell Marta

Ordering and defects in complex functional oxides studied by analytical scanning transmission electron microscopy. International Conference on Electroceramics ICE-2019, Lausanne, 2019-07-15 to 07-19 🍷 ○

Erni Rolf/Keller Debora/Henninen Trond/Bon Marta/Wang Feng/Passerone Daniele
Structure, dynamics and stability of small Pt clusters at elevated temperature. EUROMAT, Stockholm, SE, 2019-09-01 to 09-05 ● ○

Feng Wang/Henninen Trond/Erni Rolf
Multi-sal convolutional neural networks for inverse problems. Interdisciplinary Symposium on 3D Microscopy, Engelberg, 2019-10-01 to 10-04 ●

Henninen Trond/Bon Marta/Wang Feng/Passerone Daniele/Erni Rolf
Dynamics and crystallinity of sub-nm platinum clusters at elevated temperatures. Empa PhD symposium, Dübendorf, 2018-11-26 ◆

Henninen Trond/Keller Debora/Wang Feng/Bon Marta/Passerone Daniele/Erni Rolf
3D interpretation of sub-nm clusters by STEM in liquid. 3D Symposium SSOM, Engelberg, 2019-10-01 to 10-04 ●

Henninen Trond/Keller Debora/Bon Marta/Wang Feng/Passerone Daniele/Erni Rolf
Crystallinity of sub-nm Pt clusters during nucleation. Microscopy Conference 2019, Berlin, DE, 2019-09-01 to 09-05 ◆

Keller Debora/Henninen Trond R./Erni Rolf
In situ Observation of Gold Nanoparticle Growth in Thin Ionic Liquid Layers. MC Berlin, Berlin, DE, 2019-09-01 to 09-05 ●

Rossell Marta D
Ferroelectric domain imaging in multiferroic oxide thin films. 3rd ELECMI International Workshop, Madrid, ES, 2019-06-03 to 06-04 ● ○

Rossell Marta D
Probing local order in multiferroic thin films by (scanning) transmission electron microscopy. UZH Solid State Physics Seminar, University of Zürich, 2019-10-23 ● ○

Vogel Alexander/Nives Strkalj/Gabriele De Luca/Marco Campanini/Shovon Pal/Jakob Schaab/Chiara Gattinoni/Nicola Spaldin/Manfred Fiebig/Morgan Trassin/Marta Rossell
Interface effects on the ferroelectric polarization in ultrathin PbTiO₃ films investigated by ISHG and HAADF imaging. Microscopy Conference 2019, Berlin, DE, 2019-09-01 to 09-05 ◆

Vogel Alexander/Nives Strkalj/Gabriele De Luca/Marco Campanini/Shovon Pal/Jakob Schaab/Chiara Gattinoni/Nicola Spaldin/Manfred Fiebig/Morgan Trassin/Marta Rossell
Interface effects on the ferroelectric polarization in ultrathin PbTiO₃ films investigated by ISHG and HAADF imaging. EMAT Workshop on Transmission Electron Microscopy 2019, Antwerpen, BE, 2019-06-11 to 06-21 ◆

Wang Feng/Henninen Trond/Erni Rolf
Blind denoising STEM images with deep convolutional neural networks. Microscopy Conference 2019, Berlin, DE, 2019-09-01 to 09-05 ◆

Diethelm Matthias/Schiller Andreas/Blülle Balthasar/Nüesch Frank/Hany Roland
Relevance of Numerical Drift-Diffusion Simulation for Unravelling the Functioning of Light-Emitting Electrochemical Cells. DCMS Materials 4.0 Summer School, Dresden, DE, 2019-08-19 to 08-23 ◆

Diethelm Matthias/Grossman Quirin/Kawecki Maciej/Blülle Balthasar/Jenatsch Sandra/Schiller Andreas/Knapp Evelyne/Nüesch Frank/Hany Roland
Unravelling the Dynamic Evolution of the Emission Zone in Sandwich Polymer Light-Emitting Electrochemical Cells. Interfaces in Organic and Hybrid Thin-Film Optoelectronics, Valencia, ES, 2019-03-05 to 03-07 ◆

Heier Jakob
High Precision Printing. Science-Industry-Symposium. NanoVision. Printable Functional Oxides for Electronics and Energy Applications, Empa Dübendorf, 2019-02-20 to 02-21 ● ○

Heier Jakob
Cyanine dye assemblies on functional surfaces and in surfactant solutions. Zürcher Hochschule für Angewandte Wissenschaften (ZHAW). Institut für Chemie und Biotechnologie. Seminar Series, Wädenswil, 2019-06-12 ● ○

Heier Jakob
Complexation of Cyanine J-aggregates with Dendronized Polymers. 1st Empa Internal User Meeting for Small Angle X-ray Scattering, Empa St. Gallen, 2019-07-03 ● ○

Heier Jakob
From ink formulations to printed hybrid devices. Swiss ePrint, Fribourg, 2019-09-24 to 09-25 ● ○

Nüesch Frank
Organic optoelectronic device interfaces. IBERTRIVA-X Iberian Conference on Tribology /XI Iberian Vacuum Conference, Sevilla, ES, 2019-06-25 to 06-28 ● ○

Nüesch Frank/Gartmann Isabella
Industrialization of perovskite thin film photovoltaic technology, EPFL - Lausanne, 2019-10-03 ■

Nüesch Frank/Mohamed Makha/Schwaller Philippe/Strassel Karen/Anantharaman Surendra B./Nüesch Frank/Hany Roland/Heier Jakob
Understanding phase diagrams in organic ternary blend solar cells. SAOG, Fribourg, 2019-01-31 ◆

Opris Dorina
Smart dielectric elastomers: from synthesis to applications. Seminar at Dartmouth College organized by Prof. Chenfeng Ke, Dartmouth College, Hanover, New Hampshire, US, 2019-10-15 ● ○

<p>Opris Dorina/Yauhen Sheima/Philip Caspari/Elena Perju/Simon J. Dünki/Frank A. Nüesch Artificial muscles responsive to low voltages. European Polymer Congress 2019, Heraklion, GR, 2019-06-09 to 06-14 ●</p>
<p>Opris Dorina/Y. Sheima/P. Caspari/E. Perju/S.J. Dünki/Y. S. Ko/F. A. Nüesch Functional dielectric elastomers: from synthesis to applications. 5th International Fall School on Organic Electronics (IFSOE-2019) IFSOE-2019 robotics, Moskow region, RU, 2019-09-15 to 09-20 ● ○</p>
<p>Opris Dorina/Yauhen Sheima/Philip Caspari/Perju Elena/Simon Dünki/Yee Song Ko/Jose E. Quinsaat/Mihaela Dascalu Smart capacitors. SE 2019 – 17TH INTERNATIONAL SYMPOSIUM ON ELECTRETS, Limerick, IE, 2019-09-02 to 09-06 ● ○</p>
<p>Opris Dorina/Yauhen Sheima/Philip Caspari/Perju Elena/Simon Dünki/Yee Song Ko/Jose E. Quinsaat/Mihaela Dascalu Smart Capacitors. 17th IEEE International Symposium on Electrets (ISE 2019), 2-6 September, 2019, Limerick, Ireland, Limerick, IE, 2019-09-02 to 09-06 ● ○</p>
<p>Opris Dorina/Yauhen Sheima/Philip Caspari/Elena Perju/Simon Dünki/Yee Song Ko/Jose E. Quinsaat/Mihaela Dascalu/Frank Nüesch Thin solution dielectric elastomers: synthesis and applications. EuroEAP 2019, Dresden, DE, 2019-06-04 to 06-06 ● ○</p>
<p>Padula Daniele Singlet Fission Molecules Among Known Compounds: Finding a Few Needles in a Haystack. Molecular Materials Simulation at the Turn of the Decade: Celebrating 50 Years of CECAM, Lausanne, 2019-09-09 to 09-12 ●</p>
<p>Padula Daniele Computational Exploration of Near-Infrared Absorbing Polymethine Dyes. 2019 MRS Fall Meeting & Exhibit, Boston, US, 2019-12-01 to 12-06 ◆</p>
<p>Padula Daniele Concurrent Optimisation of Organic Donor-Acceptor Pairs Through Machine Learning. 2019 MRS Fall Meeting & Exhibit, Boston, US, 2019-12-01 to 12-06 ◆</p>
<p>Padula Daniele Singlet Fission Molecules Among Known Compounds: Finding a Few Needles in a Haystack. 2019 MRS Fall Meeting & Exhibit, Boston, US, 2019-12-01 to 12-06 ●</p>
<p>Roland Hany Roland Hany All-Solution Processed All-Organic Optical Upconversion Device. EMRS Spring Meeting, Nice, FR, 2019-05-27 to 05-31 ●</p>
<p>Sheima Yauhen/Philip Caspari/Yun Jae Lee/Won Kook Choi/Frank A. Nüesch/Dorina M. Opris Dielectric elastomer generators based on silicone/nanospring-carbon-nanotubes composite. EuroEAP 2019, Dresden, DE, 2019-06-04 to 06-06 ◆</p>
<p>Strassel Karen/Ramanandan Santhanu Panikar/Schneider René/Abdolhosseinzadeh Sina/Nüesch Frank/Hany Roland/ All-solution-processed infrared to visible organic upconversion device. LOPEC 2019 Scientific Conference, Munich, DE, 2019-03-19 to 03-21 ◆</p>
<p>Strassel Karen/Ramanandan Santhanu Panikar/Diethelm Matthias/Schneider René/Abdolhosseinzadeh Sina/Nüesch Frank/Hany Roland/ All-solution-processed organic upconversion device. Interfaces in Organic and Hybrid Thin-Film Optoelectronics (INFORM), Valencia, ES, 2019-03-05 to 03-07 ●</p>
<p>Strassel Karen/Anantharaman Surendra Babu/Heier Jakob/Nüesch Frank/Hany Roland Making the Invisible Visible Using Cyanine J-aggregate Based Upconversion Devices. Interfaces in Organic and Hybrid Thin-Film Optoelectronics (INFORM), Valencia, ES, 2019-03-05 to 03-07 ◆</p>
<p>Verma Anand Towards industrialization of perovskite solar cells. Industrialization of perovskite solar cells, Lausanne, 2019-10-03 ◆</p>
<p>Verma Anand/Martineau David/Heier Jakob/Meyer Tobj/Schneider Rene/Nüesch Frank A Efficient and stable fully slot die coated perovskite solar cell. Photovoltaik-Tagung 2019, Bern, 2019-03-26 to 03-27 ◆</p>
<p>Verma Anand/Martineau David/Heier Jakob/Meyer Toby /Schneider Rene/Nüesch Frank Efficient and stable fully slot die coated perovskite solar cell. EUPVSEC, Marseille, FR, 2019-09-09 to 09-13 ◆</p>
<p>Verma Anand Towards industrialization of perovskite solar cells using inkjet printing. PSCO2019, Lausanne, 2019-09-30 to 10-02 ◆</p>
<p>Zhang Chuanfang (John) High-quality MXene inks for energy storage. Graphene 2019, Rome, IT, 2019-06-25 to 06-28 ● ○</p>
<p>Zhang Chuanfang (John) MXene inks for electrochemical energy storage. BEILSTEIN NANOTECHNOLOGY SYMPOSIUM 2019, Mainz, DE, 2019-10-15 to 10-17 ● ○</p>

Zhang Chuanfang (John)/Jakob Heier/Frank Nüesch Two-dimensional MXene functional inks: synthesis and electrochemical energy storage applications. International conference on 2D materials 2019, Suzhou, CN, 2019-10-21 to 10-24 🍷 ○
Burgdorf Tobias/H.R. Elsener/B. Rheingans/C. Cancellieri/L.P.H. Jeurgens/J. Janczak-Rusch Coating technologies for tailored brazing solutions. Löt 2019 12th International Conference on Brazing, High Temperature Brazing and Diffusion Bonding, Aachen, DE, 2019-05-21 to 05-23 💎
Cancellieri Claudia/E. Klyatskina/J. Janczak-Rusch/L. P.H. Jeurgens Effect of Ge on the microstructure evolution upon annealing of Al/N NMLs: simulations and experiment. Final Workshop and Steering Committee Meeting of EXMONAN EU-Project, Cherkasy, UA, 2019-01-28 to 02-01 🍷
Cancellieri Claudia/D. Ariosa/E. Klyatskina/J. Janczak-Rusch/L.P.H. Jeurgens Modeling of Interface and Internal Disorder Applied to XRD Analysis of Ag-Based Nano-Multilayers. 18th European Conference on Applications of Surface and Interface Analysis (ECASIA), Dresden, DE, 2019-09-15 to 09-20 🍷
Cancellieri Claudia/S. Siol/J. Janczak-Rusch/L.P.H. Jeurgens Residual stress evolution and phase stability of nano-multilayer coatings upon thermal treatment. European Congress and Exhibition on Advanced Materials and Processes (Euromat) 2019, Stockholm, SY, 2019-09-01 to 09-05 🍷
Cancellieri Claudia Session Chair at IMA 1 / Nano-materials and imaging (Keynote Ezquerra). 18th European Conference on Applications of Surface and Interface Analysis (ECASIA) 2019, Dresden, DE, 2019-09-01 to 09-05 🍷
Cancellieri Claudia/A. Druzhinin/S. Siol/J. Janczak-Rusch/B. Straumal/L. P.H. Jeurgens Stress tailoring in Cu/W nanomultilayers by changing individual layer thickness. Final Workshop and Steering Committee Meeting of EXMONAN EU-Project, Cherkasy, UA, 2019-01-28 to 02-01 🍷
Dörner Lars Highly-energetic Al/CuO thermite coatings through nanoparticle composites. Public Defense of doctoral thesis, Dübendorf, 2019-10-25 🍷
Dörner Lars/Patrik Schmutz/Ralf Kägi/Maksym V. Kovalenko/Lars P.H. Jeurgens Porous CuO films as produced by electrophoretic deposition from tailored CuO nanoparticle dispersions. 2019 Spring Meeting of the European Materials Research Society (E-MRS), Nizza, FR, 2019-05-27 to 05-31 💎
Elsener Hansruedi/B. Rheingans/L.P.H. Jeurgens/T. Burgdorf. S. Brüngger/D. Piazza/P. Wurz Brazed metal-ceramic components for space applications. 12th International Conference on Brazing, High Temperature Brazing and Diffusion Bonding (Löt), Aachen, DE, 2019-05-21 to 05-23 🍷
Faller Markus/Ulrik Hans 3 Länder Korrosionstagung, Frankfurt, DE, 2019-05-09 to 05-11 ■
Guseva Olga/P. Schmutz/L.P.H. Jeurgens Model predictions of phase transformation sequence in Al-oxide-hydroxide system in pure water by bulk and interface thermodynamics. ACS Fall 2019 National Meeting & Exposition, San Diego, US, 2019-08-25 to 08-29 🍷
Guseva Olga ACS Fall 2019 National Meeting & Exposition, San Diego, US, 2019-08-25 to 08-29 ▲
Hauert Roland/E. Ilic/A. Pardo/M. Stiefel/P. Schmutz/K. Thorwarth/Ch. Affolter/U. Müller/G. Thorwarth/C.V. Falub/T. Suter/S. Mischler Accelerated tests for coating adhesion lifetime estimation in body fluid. International Conference on Metallurgical Coatings and Thin Films (ICMCTF), San Diego, US, 2019-04-26 to 05-01 🍷 ○
Hauert Roland/E. Ilic/A. Pardo/M. Stiefel/P. Schmutz/K. Thorwarth/Ch. Affolter/U. Müller/G. Thorwarth/C.V. Falub/T. Suter/S. Mischler Accelerated tests for lifetime prediction of interlayers and interfaces toward fatigue and crevice corrosion in body fluid. 18th European Conference on Applications of Surface and Interface Analysis (ECASIA) 2019, Dresden, 2019-09-15 to 09-20 🍷
Janczak-Rusch Jolanta Nanojoining technologies for miniaturized assemblies, Invited. Swissphotonics Workshop "Thermal Management in Photonics Packaging", Neuchâtel, 2019-04-03 🍷 ○
Janczak-Rusch Jolanta Plenary lecture "Nanojoining, where the border between brazing and soldering melts". LÖT 2019, 12th International Conference on Brazing, High Temperature Brazing and Diffusion Bonding, Aachen, DE, 2019-05-21 to 05-23 🍷 ○
Janczak-Rusch Jolanta Session Chair Diffusion brazing and bonding. LÖT 2019, 12th International Conference on Brazing, High Temperature Brazing and Diffusion Bonding, May 21-23, 2019, Aachen, DE, 2019-05-22 ▲
Janczak-Rusch Jolanta/B. Rheingans/J. Janczak-Rusch/Lars P.H. Jeurgens Reactive nano-multilayers for joining. Exmonan Conference, Cherkasy, UA, 2019-01-29 to 02-01 🍷
Janczak-Rusch Jolanta/B. Rheingans/L.P.H. Jeurgens Joining with reactive nanomultilayers, joint design and heat management. The 72nd IIW Annual Assembly and International Conference / Commission XVII, Bratislava, SK, 2019-06-12 to 07-17 🍷
Janczak-Rusch Jolanta/C. Cancellieri/L.P.H. Jeurgens Development of Nanomultilayers for Joining Applications. International Conference on Advanced Materials Sciences and Engineering, Osaka, JP, 2019-07-21 to 07-24 🍷 ○

<p>Janczak-Rusch Jolanta/C. Cancellieri/V. Araullo-Peters/L. Lin/L.P.H. Jeurgens Controlling the brazing filler pattern through the nanomultilayer design, case study Ag-Cu/AlN nanomultilayers. The 72nd IIW Annual Assembly and International Conference / Commission VII, Bratislava, SK, 2019-07-12 to 09-17 ●</p>
<p>Janczak-Rusch Jolanta/G. Blugan/F. Moszner/G. Mata Osoro/M. Chiodi/J. Kübler/L. P.-H. Jeurgens Brazing and testing of SiC ceramics for aerospace applications. 6th International Conference "Advances in Brazing and Soldering Technologies", Wrocław, PL, 2019-09-18 to 09-20 ●</p>
<p>Janczak-Rusch Jolanta/L. Lin/C. Cancellieri/M. Chiodi/S. Siol/L.P.H. Jeurgens Nanostructured brazing materials for advanced joining technologies. 21st Materials Science Colloquium in Chemnitz, Chemnitz, DE, 2019-03-06 to 03-07 ◆</p>
<p>Jeurgens Lars Conference Chair. Conference on Nanojoining & Microjoining, Nara, JP, 2018-12-04 ▲</p>
<p>Jeurgens Lars P.H. Interface Engineering for nano- and micro-joining technologies. Spezialseminar, Fakultät für Werkstoffwissenschaft und Werkstofftechnologie, TU Bergakademie Freiberg, Freiberg, DE, 2019-05-20 ●○</p>
<p>Jeurgens Lars/B. Rheingans/L. Lin/S. Siol/C. Cancellieri/J. Janczak-Rusch Reactive and Non-Reactive Nanomultilayers for Advanced Joining Applications. MS&T19, Symposium: Joining of Advanced and Specialty Materials XXI – Micro and Nano-Joining, Portland, Oregon, US, 2019-10-02 ●○</p>
<p>Jeurgens Lars MS&T19, Symposium: Joining of Advanced and Specialty Materials XXI – Micro and Nano-Joining, Portland, Oregon, US, 2019-10-04 ▲○</p>
<p>Jeurgens Lars P.H./B. Rheingans/L. Lin/S. Siol/C. Cancellieri/J. Janczak-Rusch Reactive and Non-Reactive Nanomultilayers for Advanced Joining Applications. Materials Science & Technology (MS&T) 2019, Portland, US, 2019-09-29 to 10-03 ●</p>
<p>Jeurgens Lars P.H. Exploring fast diffusion in nanostructured materials for joining technology applications. EXMONAN-2019 workshop, Cherkasy, UA, 2019-01-31 to 02-01 ●</p>
<p>Lin Luchan/Sebastian Siol/Jolanta Janczak-Rusch/Lars P.H. Jeurgens Directional mass transportation in metal/ceramic nanolayers sandwich for maskless nanopatterning. Swiss Nano-Convention, EPFL Lausanne, 2019-06-06 to 06-07 ◆</p>
<p>Lin Luchan/Sebastian Siol/Marta D. Rossell/Rolf Erni/Jolanta Janczak-Rusch/Lars P.H. Jeurgens Fast mass transportation of metastable AgCu alloys in confined AlN/AgCu/AlN nanolayer sandwiches. IIB2019 (Intergranular and Interphase Boundaries in Materials), Paris, FR, 2019-07-01 to 07-05 ●</p>
<p>Lin Luchan/Sebastian Siol/Marta D. Rossell/Rolf Erni/Jolanta Janczak-Rusch/Lars P.H. Jeurgens Fast mass transportation of metastable AgCu alloys in confined AlN/AgCu/AlN nanolayer sandwiches. IIB2019 (Intergranular and Interphase Boundaries in Materials), Paris, FR, 2019-07-01 to 07-05 ●</p>
<p>Lin Luchan/S. Siol/J. Janczak-Rusch/L. Jeurgens Mass transportation of metal nanolayer fillers in confinement upon fast heating. IIW2019 (72nd IIW Annual Assembly and International Conference, Bratislava, SK, 2019-07-07 to 07-12 ●</p>
<p>Luchan Lin Fast mass transportation of metastable AgCu alloys in confined AlN/AgCu/AlN nanolayer sandwiches. 16th International Forum of BEIHANG UNIVERSITY for graduate students on Intelligent Manufacturing Technology, Beijing, CN, 2019-07-22 to 07-26 ●</p>
<p>Ott Noémie/T. Suter/P. Schmutz Local electrochemical characterization of rough heterogeneous materials. NTN innovative surface Workshop: Industriekonforme Nachbearbeitung generativ gefertigter Werkstücke, Brugg, 2019-08-28 ●</p>
<p>Ott Noémie/T. Suter/P. Schmutz/L.P.H. Jeurgens Advanced characterization of metallic materials degradation. #RSCPoster Twitter Conference organized by the Royal Society of Chemistry on March 5th-6th, 2019., UK, GB, 2019-03-05 to 03-06 ◆</p>
<p>Ott Noémie/T. Suter/N. Birbilis/P. Schmutz Local electrochemical characterization of metallic materials degradation. NACE – Corrosion2019, Nashville, US, 2019-03-24 to 04-28 ●</p>
<p>Rheingans Bastian/M. Nydegger/J. Janczak-Rusch/L.P.H. Jeurgens Nanoparticle sinter-bonding and transient liquid phase bonding for flip-chip die attach. Swiss NanoConvention SNC, Lausanne, 2019-06-06 to 06-07 ◆</p>
<p>Rheingans Bastian/J. Janczak-Rusch/L.P.H. Jeurgens Ultrasonic-assisted fast transient liquid phase bonding. European Congress and Exhibition on Advanced Materials and Processes (EUROMAT) 2019, Stockholm, SE, 2019-09-01 to 09-05 ●</p>
<p>Schmutz Patrik Passivation and localized corrosion mechanisms. Electrochemistry in corrosion research workshop, Zofingen, 2019-11-19 to 11-21 ●○</p>
<p>Schmutz Patrik Korrosion bei Aluminiumlegierungen. 11. Materialografie-Tagung des SVMT, St. Gallen, 2019-12-10 ●○</p>

Schmutz Patrik/Thomas Suter/Olga Guseva Elektrochemische Charakterisierung und Korrosion, Empa Dübendorf, 2019-05-24 ■
Siol Sebastian/C. Beall/N. Ott/S. D. Tilley/Y. Unutulmazsoy/P. Schmutz/L. P. H. Jeurgens/C. Cancellieri Oxidation behavior and self-passivation of WxTi1-xOy alloys. Surface Science and Thin Films Community of Switzerland SAOG Fribourg, Fribourg, 2019-01-30 ◆
Siol Sebastian/C. Beall/N. Ott/M. Döbeli/S. D. Tilley/L.P.H. Jeurgens/P. Schmutz/C. Cancellieri Oxidation of self-passivating precursors for tungsten-titanium oxide alloys with tailored stability. European Materials Research Society (E-MRS) Spring Meeting 2019, Nizza, FR, 2019-05-27 to 05-31 ◆
Siol Sebastian/C. Beall/N. Ott/S. D. Tilley/Y. Unutulmazsoy/P. Schmutz/L. P. H. Jeurgens/C. Cancellieri Oxidation of self-passivating WxTi1-x alloys for oxide alloys with tailored stability. #RSCPoster Twitter Conference organized by the Royal Society of Chemistry, UK, GB, 2019-03-05 to 03-06 ◆
Siol Sebastian/Aaron Holder/Stephan Lany/Andriy Zakutaye Stabilizing negative-pressure polymorphs through heterostructural alloying. European Materials Research Society (E-MRS) Spring Meeting 2019, Nizza, FR, 2019-05-27 to 05-31 ●
Siol Sebastian/N. Ott/C. Beall/S.D. Tilley/Y. Unutulmazsoy/P. Schmutz/L.P.H. Jeurgens/C. Cancellieri Tailoring surface passivation of WxTi1-xOn alloys by combining combinatorial synthesis with bulk and surface analysis mapping. 18th European Conference on Applications of Surface and Interface Analysis (ECASIA), Dresden, DE, 2019-09-15 to 09-20 ●
Suter Thomas/U. Hans Elektrochemische Wasserstoffmessungen an hochfesten Stählen – Neue Messmethoden für Korrosionsvorgänge. 3 Länder Korrosionstagung, Frankfurt, DE, 2019-05-09 to 05-10 ●○
Unutulmazsoy Yeliz/C. Cancellieri/S. Siol/L.P.H. Jeurgens In-situ Oxidation Studies of Cu Thin Films: Growth Kinetics and Oxide Phase Evolution. Surface Science and Thin Films Community of Switzerland SAOG, Fribourg, 2019-01-30 ◆
Bertero Enrico/Manzano Vicente Cristina/Hasegawa Madoka/Sort Jordi/Pellicer Eva/Hermann Inge Katrin/Mischler Stefano/Michler Johann/Philippe Laetitia FeCrNi stainless-steel electrodeposition of coatings and micro-nano components from a 'green' Cr(III)-based mixed solvent electrolyte. Empa PhD symposium 2019, St. Gallen, 2019-11-28 ●
Bertero Enrico/Hasegawa Madoka/Manzano Cristina V./Pellicer Eva/Sort Jordi/Hermann Inge K./Ulfig Robert M./Mischler Stefano/Michler Johann/Philippe Laetitia Electrodeposited FeCrNi stainless steel-like films from a "green" Cr(III)-based electrolyte: material properties overview and investigation of impurities' incorporation. 33rd International Conference on Surface Modification Technologies (SMT33), Neapel, IT, 2019-06-26 to 06-28 ●
Bertero Enrico/Manzano Cristina V./Schürch Patrik/Michler Johann/Philippe Laetitia FeCrNi stainless-steel electrodeposition of coatings and micro-nano components from a "green" Cr(III)-based mixed solvent electrolyte. 70th Annual Meeting of the International Society of Electrochemistry (ISE), Durban, ZA, 2019-08-04 to 08-09 ●
Casari Daniele/Michler Johann/Zysset Philippe/Schwiedrzik Jakob In situ microtensile tests on bone extracellular matrix reveal strong microscale tension/compression asymmetry of strength and ductility. Euromat 2019, Stockholm, SE, 2019-09-01 to 09-05 ●
Casari Daniele/Michler Johann/Zysset Philippe/Schwiedrzik Jakob Exploring bone's basic building blocks microtensile properties and toughening mechanisms on the lamellar level. ECI 2019 – Nanomechanical Testing in Materials Research and Development VII, Malaga, ES, 2019-09-29 to 10-04 ◆
Casari Daniele/Michler Johann/Zysset Philippe/Schwiedrzik Jakob Microtensile properties and failure mechanisms of bone on the lamellar level. ECI 2019 – Nanomechanical Testing in Materials Research and Development VII, Malaga, ES, 2019-09-29 to 10-04 ●
Edwards Thomas/Maeder Xavier/Ast Johannes/Michler Johann Correlative in situ total and elastic strain mapping on micromechanical testpieces by DIC and HR-EBSD. Nanomechanical Testing in Materials Research and Development VII, Malaga, ES, 2019-09-29 to 10-04 ●
Edwards Thomas/Di Gioacchino Fabio/Glegg William J./Mohanta Gaurav/Wehrs Juri/Michler Johann High Cycle Fatigue of a ?-TiAl Alloy. TMS 2019, San Antonio, US, 2019-03-10 to 03-14 ●
Edwards Thomas/Di Gioacchino Fabio/Jones Robert/Glegg William J./Mohanta Gaurav/Wehrs Juri/Michler Johann Mapping Strains at High Temperature on Micromechanical Testpieces. TMS 2019, San Antonio, US, 2019-03-10 to 03-14 ●○
Edwards Thomas/Di Gioacchino Fabio/Pürstl Julia T./Maeder Xavier/Glegg William J./Michler Johann Nano-wedging: a novel test method to combine nanoscale strain mapping with multiaxial stress states. International Conference on Metallurgical Coatings and Thin Films, San Diego, US, 2019-05-19 to 05-24 ●
Elvira Gómez /Serrà Albert/Zhang Yue/Sepúlveda Borja/Nogués Josep/Michler Johann/Philippe Laetitia Biomimetic ZnO@ZnS micro/nanostructures for pollutant remediation. 25th Topical Meeting of the International Society of Electrochemistry – New electrochemical processes for energy and the environment, Toldeo, ES, 2019-05-12 to 05-15 ◆
Hain Caroline/Nelis Thomas Diamond-Like Carbon Films. ResearchXchange, Biel, 2019-10-04 ●○

<p>Hain Caroline/Le Quang Marine/Michler Johann/Nelis Thomas Parametric Study of HiPIMS PVD Fabricated Diamond-Like Films. School of Materials Engineering, Krakow, PL, 2019-09-25 to 09-27 🍷</p>
<p>Jurczyk Jakub/Berger Luisa/Höflich Katja/Glessi Cristiano/Madajska Katarzyna/Szymanska Iwona/Tilset Mats/Kapusta Czeslaw/Utke Ivo Carboxylates as promising group of silver FEBID precursors. 2nd ELENA conference, Leuven, BE, 2019-09-04 to 09-06 🍷</p>
<p>Jurczyk Jakub/Kapusta Czeslaw/Utke Ivo Modeling FEBID frequency maps: Lateral deposit resolution and surface diffusion. DPG-Frühjahrstagung, Regensburg, DE, 2019-03-31 to 04-05 🍷</p>
<p>Kabel Joseph/Parkison Darren/Edwards Thomas/Michler Johann/Hosemann Peter Micro-mechanical testing of ceramic matrix composites, extraction of interface properties and impact on composite optimization. ECI 2019 – Nanomechanical Testing in Materials Research and Development VII, Malaga, ES, 2019-09-29 to 10-04 💎</p>
<p>Kalacska Szilvia/Ast Johannes/Michler Johann/Maeder Xavier Effect of FIB slicing directions on the 3D characterization of the plastic zone in deformed W cantilever. RMS EBSD 2019 meeting, London, GB, 2019-04-01 to 04-03 🍷</p>
<p>Kalacska Szilvia/Ast Johannes/Michler Johann/Maeder Xavier 3D characterization of the plastic zone in deformed tungsten micro-cantilevers by HR-EBSD. European Congress and Exhibition on Advanced Materials and Processes (EUROMAT 2019), Stockholm, SE, 2019-09-01 to 09-05 🍷</p>
<p>Kalacska Szilvia/Pillatsch Lex/Michler Johann/Maeder Xavier In situ AFM depth-corrected TOF-SIMS study of a multilayer vertical cavity surface emitting laser (VCSEL) sample. Materials and Nanomaterials International Conference (M&Ns-19), Paris, FR, 2019-07-17 to 07-19 🍷</p>
<p>Kalácska Szilvia/Priebe Agnieszka(Ast Johannes/Michler Johann/Maeder Xavier Recent advances in FIB-SEM techniques for elemental, strain, stress and defect imaging. Topical day Imaging and Image Analysis XI, Dübendorf, 2019-04-15 🍷 ○</p>
<p>Kochetkova Tatiana/Braun Oliver/Overbeck Jan/Peruzzi Cinzia/Maurya Anjani/Michler Johann/Calame Michel/Neels Antonia/Zysset Philippe/Schwiedrzik Jakob Polarized Raman Spectroscopy as a method for quantitative analysis of bone fibril orientation. Meeting of the Swiss Society for Biomedical Engineering (SSBE) 2019, Geneva, 2019-08-27 💎</p>
<p>Kochetkova Tatiana/Braun Oliver/Overbeck Jan/Peruzzi Cinzia/Maurya Anjani/Michler Johann/Calame Michel/Neels Antonia/Zysset Philippe/Schwiedrzik Jakob Polarized Raman spectroscopy as a method for quantitative analysis of bone fibril orientation. EMPA PhD Students' Symposium 2019, St. Gallen, 2019-11-28 💎</p>
<p>Kochetkova Tatiana/Michler Johann/Siebenrock Klaus/Zysset Philippe/Schwiedrzik Jakob Combining bone proteotype and multiscale extracellular matrix properties for improved clinical fracture risk prediction. SUMMER SCHOOL: SHAPING THE FUTURE OF (bio)MEDICINE (SFM2019), Bellinzona, 2019-05-12 to 05-17 💎</p>
<p>Kochetkova Tatiana/Braun Oliver/Overbeck Jan/Peruzzi/Cinzia/Michler Johann/Zysset Philippe/Calame Michel/Schwiedrzik Jakob Polarized Raman Spectroscopy as a method for quantitative analysis of bone fibril orientation. ETH Raman Workshop 2019, Zurich, 2019-06-03 to 06-05 🍷</p>
<p>Maeder Xavier/Döbeli Max/Neels Antonia/Dommann Alex/Ast Johannes/Rudigier Helmut/Widrig Beno/Ramm Jürgen Characterization of high temperature coatings. Accelerator Based Materials Science, Ion Beam Workshop, ETHZ, Zürich, 2019-06-27 🍷 ○</p>
<p>Maeder Xavier/Ast Johannes/Polyakov Mikhail/Döbeli Max/Neels Antonia/Dommann Alex/Widrig Beno/Ramm Jürgen Ramm Comparison of oxidation procedures of MCrAlY coatings deposited by PVD cathodic arc evaporation. ICMCTF 2019, San Diego, US, 2019-05-19 to 05-24 🍷</p>
<p>Maeder Xavier/Kalácska Szilvia/Ast Johannes/Della Ventura Nicolò/Casari Daniele/Schwiedrzik Jakob/Michler Johann Recent progresses in in-situ and 3D HR-EBSD techniques to assess deformation mechanism of materials at small scale. ECI conference: Nanomechanical Testing in Materials Research and Development VII, Malaga, ES, 2019-09-29 to 10-04 🍷 ○</p>
<p>Maeder Xavier/Ast Johanne/Della Ventura Nicolo/Arabi-Hashemi Ariyan/Kalácska Szilvia/Michler Johann Study of stress induced twinning and martensite growth mechanisms by in situ HR-EBSD during micromechanical testing. 7th international conference on recrystallization and grain growth, Ghent, BE, 2019-08-04 to 08-09 🍷 ○</p>
<p>Maeder Xavier/Ast Johannes/Kalácska Szilvia/Schwiedrzik Jakob/Michler Johann Thermally Activated Fracture Behavior at the Micron Scale. TMS 2019, San Antonio, US, 2019-03-10 to 03-14 🍷 ○</p>
<p>Michler Johann Deformation and fracture mechanisms in nanocomposite and nanolaminate thin films revealed through combinatorial design and nanomechanical testing. ECI conference: Nanomechanical Testing in Materials Research and Development VII, Malaga, ES, 2019-09-29 to 10-04 🍷 ○</p>

<p>Michler Johann FIB-SIMS—Recent Advances in Secondary Ion Mass Spectrometry for Analytical Dual Beam Focussed Ion Beam Instruments. 2019 MRS Fall Meeting, Boston, US, 2019-11-30 to 12-06 ● ○</p>
<p>Michler Johann/Ramachandramoorthy Rajaprakash High Strain Rate Compressive Behavior of Nanocrystalline Nickel Microlattices. MRS FALL Meeting 2019, Boston, US, 2019-11-30 to 12-06 ●</p>
<p>Niemelä Janne-Petteri/Chawla Vipin/Ruoho Mikko/Weber Matthieu/Chaaya Abou Adib(Taylor Aidan A./Charmette Christophe/Miele Philippe/Bechelany Mikhael/Michler Johann/Utke Ivo Al₂O₃/ZnO nanolaminate thin films deposited on polyethylene terephthalate substrates by ALD: Fracture mechanics and oxygen gas barrier properties. EuroCVD 22-Baltic ALD 16 – 2019, Luxembourg, LU, 2019-06-24 to 06-28 ●</p>
<p>Schürch Patrik/Rachandramoorthy Rajaprakash/Pethö Laszlo/Michler Johann/Philippe Laetitia 3D Electrode Design: Additively Manufactured 3D Architected Nanocrystalline Nickel and Nickel Copper Structures. ECEE 2019 – Electrochemical Conference on Energy and the Environment: Bioelectrochemistry and Energy Storage, Galsgow, GB, 2019-07-21 to 07-26 ●</p>
<p>Peruzzi Cinzia/Michler Johann/Mazza Edoardo/Schwiedrzik Jakob Dynamic compressive strength of hydrated lamellar bone at the microscale. Empa PhD Students' Symposium 2019, St. Gallen, 2019-11-28 ◆</p>
<p>Peruzzi Cinzia/Michler Johann/Mazza Edoardo/Schwiedrzik Jakob Dynamic compressive strength of hydrated lamellar bone at the microscale. MRS Fall Meeting 2019, Boston, US, 2019-12-01 to 12-06 ◆</p>
<p>Pethö Laszlo/Ramachandramoorthy Rajaprakash/Schwiedrzik Jakob/Mohanty Gaurav/Michler Johann High strain rate in situ testing of silicon micropillars. 20th CMi Annual Review Meeting, Lausanne, 2019-05-07 ◆</p>
<p>Pethö Laszlo/Chen Ming/Lauener Carmen/Michler Johann/Wheeler Jeffrey In situ mechanical testing of microfabricated micro/nanopillars. 20th CMi Annual Review Meeting, Lausanne, 2019-05-07 ◆</p>
<p>Pethö Laszlo/Casari Daniele/Schürch Patrik/Maeder Xavier/Philippe Laetitia/Michler Johann/Zysset Philippe/Schwiedrzik Jakob Microtensile testing of brittle materials using custom fabricated self-aligning silicon grippers. 20th CMi Annual Review Meeting, Lausanne, 2019-05-07 ◆</p>
<p>Pethö Laszlo/Péter Nagy/Grégoire Roussely/Pascal Sortais/Johann Michler Combinatorial investigation of high entropy alloy systems sputtered by highly energized ion beams. PLATHINIUM Plasma Thin film International Union Meeting, Antibes, FR, 2019-09-23 to 09-27 ◆</p>
<p>Pip Petai/Donnelly Claire/Heyderman Laura/Philippe Laetitia Deposition of homogeneous magnetic layers on 3D non-conductive microstructures. Curvilinear Micromagnetism Workshop, Kiev, UA, 2019-05-22 to 05-25 ●</p>
<p>Pip Petai/Donnelly Claire/Heyderman Laura/Philippe Laetitia Fabrication of complex 3D magnetic nanostructures . Topology in Magnetism: Theory Meets Experiments Workshop, Buenos Aires, AG, 2019-10-22 to 10-24 ●</p>
<p>Pip Petai/Donnelly Claire/Hayderman Laura/Philippe Laetitia 3D magnetic nanostructures. Empa PhD Symposium 2019, St. Gallen, 2019-11-28 ◆</p>
<p>Pip Petai/Skjærø Sandra/Manzano Cristina V./Weber Anja/Kohlbrecher Joachim/Heyderman Laura/Philippe Laetitia Triangular Ising-like Nanowire Lattice with Out-Of-Plane Magnetization: Validation of the Predicted Phase Diagram . Workshop on Frontiers in Artificial Spin Ice, Bad Zurzach, 2019-02-06 to 02-08 ◆</p>
<p>Priebe Agnieszka/Utke Ivo/Pethö Laszlo/Michler Johann Combination of the FIB-TOF-SIMS technique with GIS – increasing the ionization probability and sputtering rates of thin films. EuFN Workshop, Dresden, DE, 2019-06-12 to 06-14 ●</p>
<p>Priebe Agnieszka/Utke Ivo/Pethö Laszlo/Michler Johann Simultaneous gas co-injection during a FIB-TOF-SIMS measurement as a solution for enhancing spatial resolution and de-coupling mass interference. 22nd International Conference on Secondary Ion Mass Spectrometry – SIMS-22, Kyoto, JP, 2019-10-20 to 10-25 ◆</p>
<p>Priebe Agnieszka/Barnes Jean-Paul/Edwards Thomas/Edward James/Pethö Laszlo/Balogh István/Michler Johann 3D imaging of Al nanoparticles in a bulk metallic glass matrix using TOF-SIMS validated with STEM and EDX. 22nd International Conference on Secondary Ion Mass Spectrometry – SIMS-22, Kyoto, JP, 2019-10-20 to 10-25 ●</p>
<p>Putz Barbara/Milassin Gabor/Semprimoschnig Christopher/Cordill Megan J. Environmental Challenges of Thin Film Systems on Polymer Substrates for Space Applications. International Conference on Metallurgical Coatings and Thin Films 2019, San Diego, US, 2019-05-20 to 05-24 ●</p>
<p>Putz Barbara/Edwards Thomas/Huszar Emese/Petho Laszlo/Kreiml Patrice/Cordill Megan/Thiaudiere Dominique/Faurie Damien/Renault Pierre-Olivier/Michler Johann In situ fragmentation analysis of ALD-PVD multilayers on flexible substrates. ECI Conference, Malaga , ES, 2019-09-29 to 10-04 ◆</p>
<p>Ramachandramoorthy Rajaprakash Pushing the boundaries of micro and nanomechanics. Vortrag am Max Planck Institute für Eisenforschung, Düsseldorf, DE, 2019-10-22 ● ○</p>

<p>Ramachandramoorthy Rajaprakash/Jakob Schwiedrzik/Laszlo Petho/Damian Frey/Jean-Marc Breguet/Johann Michler A novel experimental technique for quantitative microscale high strain rate testing. 13th Workshop on "Dynamic behavior of materials and its applications in industrial processes", Nicosia, CY, 2019-04-17 to 04-19 ●</p>
<p>Ramachandramoorthy Rajaprakash/Jakob Schwiedrzik/Laszlo Petho/Damian Frey/Jean-Marc Breguet/Johann Michler High strain rate plasticity in microscale glass. Nanomechanical Testing in Materials Research and Development VII, Malaga, ES, 2019-09-29 to 10-04 ●</p>
<p>Ramachandramoorthy Rajaprakash/Gaurav Mohanty/Jakob Schwiedrzik/Damian Frey/Jean-Marc Breguet/Johann Michler Micromechanical exploration of the combined effects of high strain rate and high temperature: A novel experimental technique. Temperature dependence of material behaviour at high strain-rate, Stresa, IT, 2019-09-09 to 09-11 ●</p>
<p>Rohbeck Nadia/Ramachandramoorthy Rajaprakash/Edwards Thomas/Schürch Patrik/Casari Daniele/Schwiedrzik Jakob/Michler Johann Micromechanical testing at high strain rates and varying temperatures of 3D-printed polymer structures. Euromat 2019, Stockholm, SE, 2019-09-01 to 09-05 ●</p>
<p>Rohbeck Nadia/Ramachandramoorthy Rajaprakash/Edwards Thomas/Schürch Patrik/Casari Daniele/Schwiedrzik Jakob/Michler Johann Micromechanical testing at high strain rates and varying temperatures of 3D-printed polymer structures. ECI 2019, Malaga, ES, 2019-09-29 to 10-04 ●</p>
<p>Schürch Patrik/Ramachandramoorthy Rajaprakash/Pethö Laszlo/Michler Johann/Philippe Laetitia 3D Electrode Design: Additively Manufactured 3D Architected Nanocrystalline Nickel and Nickel Copper Structures. ECEE 2019 – Electrochemical Conference on Energy and the Environment: Bioelectrochemistry and Energy Storage, Glasgow, GB, 2019-07-21 to 07-26 ●</p>
<p>Schwiedrzik Jakob Recent developments in micromechanical analysis of nanostructured materials: low temperatures, high strain rates, and novel sample geometries. TMS Annual Meeting, San Antonio, US, 2019-03-10 to 03-14 ● ○</p>
<p>Schwiedrzik Johann Jakob Bone micromechanics – from fundamental research to clinical applications. Vortrag am MPI für Eisenforschung, Düsseldorf, DE, 2019-05-17 ● ○</p>
<p>Schwiedrzik Jakob/Casari Daniele/Michler Johann/Zysset Philippe Anisotropic strength tension-compression asymmetry of bone extra-cellular matrix. 25th Congress of the European Society of Biomechanics, Wien, AT, 2019-07-07 to 07-10 ●</p>
<p>Schwiedrzik Johann Jakob/Ramachandramoorthy Rajaprakash/Schürch Patrik/Edwards Thomas/Philippe Laetitia/Maeder Xavier/Breguet Jean-Marc/Michler Johann Studying deformation mechanisms of nanocrystalline nickel by thermal activation analysis at subambient temperatures and high strain rates. ECI Conference, Malaga, ES, 2019-09-26 to 10-04 ●</p>
<p>Serrà Albert/Zhang Yue/Sepúlveda Borja/Gómez Elvira/Nogués Josep/Michler Johann/Philippe Laetitia Electrofabrication of ZnO-based microfern-shaped photocatalysts for efficient visible sunlight water decontamination. 4th Green and Sustainable Chemistry Conference, Dresden, DE, 2019-05-05 to 05-08 ◆</p>
<p>Serrà Albert/Zhang Yue/Sepúlveda Borja/Gómez Elvira/Nogués Josep/Michler Johann/Philippe Laetitia Role of the architecture and fixation of ZnO based sunlight photocatalysts on their ecotoxicological effects on microalgae. 2019 – XL Meeting of Specialized Group of Electrochemistry of The Royal Spanish Society Chemistry and XX Iberian Meeting of Electrochemistry, Huelva, ES, 2019-06-09 to 06-12 ◆</p>
<p>Thoma Giuditta/Zamprogno Pauline G.V./Ferrari Dario/Putz Barbara/Michler Johann/Guenat Olivier T. The Day of BioMedical Research 2019. Lung-Alveoli-on-Chip: Mechanical Characterization of a New Biological Membrane, Bern, 2019-11-12 to 11-13 ◆</p>
<p>Utke Ivo/Jurczyk Jakub/Kapusta Czeslaw Designing Focused Electron Beam Induced Deposition Experiments via Frequency Maps. Conference on Low Energy Electron Driven Chemistry for the Advantage of Emerging Nanofabrication Methods, Leuven, BE, 2019-09-04 to 09-06 ●</p>
<p>Utke Ivo High-resolution nanoprining by local surface reactions using finely focused electron probes. 6th Thermal Probe Workshop, Zürich, 2019-03-13 to 11-14 ● ○</p>
<p>Utke Ivo/Ruoho Mikko/Tarasiuk/Natalia/Rohbeck Natalia/Niemelä Janne/Kapusta Czeslaw/Michler Johann Stability of mechanical properties of molecular layer-deposited alucone. EuroCVD 22 Baltic ALD 16, Luxembourg, LU, 2019-06-24 to 06-28 ●</p>
<p>Utke Ivo/Guerra-Nunez Carlos/Savu Raluca/Li Meng/Zhang Yucheng/Erni Rolf/Moshkalev Stanislav/Michler Johann/Park Hyung Gyu The Nucleation and Radial Growth of Thin Film Coatings on Carbon Surfaces. EuroCVD 22 Baltic ALD 16, Luxembourg, LU, 2019-06-24 to 11-28 ●</p>

Wieczerek Krzysztof /Michalski Szymon/Nowicka Oliwia

Exploration of the Co-Cr system synthesized via magnetron sputter co-deposition approach. School of Materials Engineering 2019, Krakow, PL, 2019-09-25 to 09-27 🍷

Borin Barin Gabriela/Ruffieux Pascal/Fasel Roman

Graphene nanoribbons for nanoelectronics: from UHV to device integration. Mol-CH meeting, Bern, 2019-06-21 🍷

Borin Barin Gabriela/El Abassi Maria El/Overbeck Jan/Braun Oliver/Perrin Mickael/Llinas Juan Pablo/Narita Akimitsu/Müllen Klaus/Bokor Jeffrey/Calame Michel/Ruffieux Pascal/Fasel Roman

Bottom-up fabrication of graphene nanoribbons: From molecules to devices. Graphene 2019, Rome, IT, 2019-06-25 to 06-28 🍷

Borin Barin Gabriela/El Abassi Maria /Overbeck Jan/Llinas Juan Pablo/Daniels Colin/Darawish Rimah/Braun Oliver/Perrin Mickael//Narita Akimitsu/Müllen Klaus/Meunier Vincent/Bokor Jeffrey/Calame Michel/Ruffieux Pascal/Fasel Roman

Bottom-up fabrication of graphene nanoribbons: From molecules to devices. Hetero NanoCarbon 2019, Benasque, ES, 2019-12-09 to 12-13 🍷

Borin Barin Gabriela/Ruffieux Pascal/Fasel Roman

Bottom-up fabrication of graphene nanoribbons: From molecules to de-vices. International Winterschool on Electronic Properties of Novel Materials (IWEPM), Kirchberg, AT, 2019-03-09 to 03-16 🍷 ○

Borin Barin Gabriela/El Abassi Maria/Llinas Juan Pablo/Overbeck Jan/Braun Oliver/Perrin Mickael/Narita Akimitsu/Müllen Klaus/Bokor Jeffrey/Calame Michel/Ruffieux Pascal/Fasel Roman

Device integration of low-bandgap graphene nanoribbons. Marvel Review and Retreat 2019, EPFL - Lausanne, 2019-05-09 to 06-09 🍷

Danese Martina/Bon Marta/Piccini GiovanniMaria/Passerone Daniele

Unraveling the mechanism of Huisgen cycloaddition via PES and FES sampling. Spring Meeting of Swiss Association of Computational Chemistry, University of Geneve, 2019-02-14 🍷

Danese Martina

Origin of enantio- and regioselectivity for the PdGa (111)-supported Huisgen reaction: experiment and theory. Joint Annual Meeting of SPS and ÖPG 2019, University of Zürich, 2019-08-26 to 08-30 🍷

Darawish Rimah/Gabriela Borin Barin\ Jan Overbeck\ Akimitsu Narita\ Klaus Müllen\ Michel Calame\ Pascal Ruffieux\ Roman Fasel

On-surface synthesis and substrate transfer of aligned graphene nanoribbons. PhD Students' Symposium 2019, Empa, St. Gallen, 2019-11-28 🍷

Darawish Rimah/Gabriela Borin Barin\ Jan Overbeck\ Oliver Braun\ Akimitsu Narita\ Klaus Müllen\ Michel Calame\ Pascal Ruffieux\ Roman Fasel

On surface synthesis and substrate transfer of aligned graphene nanoribbons. Graphene week 2019, Helsinki, FI, 2019-09-23 to 09-27 🍷

Darawish Rimah/Gabriela Borin Barin\ Jan Overbeck\ Akimitsu Narita\ Klaus Müllen\ Michel Calame\ Pascal Ruffieux\ Roman Fasel

On-surface synthesis and substrate transfer of aligned graphene nanoribbons. 1D2D Nanomat international summer school 2019, Bastia,Corsica, FR, 2019-07-02 to 07-13 🍷

Darawish Rimah

On-surface synthesis and substrate transfer of aligned graphene nanoribbons. Swiss Physical Society /SPS 2019, Zurich, 2019-08-26 to 08-30 🍷

Di Giovannantonio Marco/Eimre Kristjan/Yakutovich Aliaksandr V./Chen Qiang/Beser Uliana/Mishra Shantanu/Urgel Jose I./Pignedoli Carlo A./Ruffieux Pascal/Narita Akimitsu/Müllen Klaus/Fasel Roman

On-surface synthesis of antiaromatic, open-shell indenofluorene polymers. Exploring the Limits of Nanoscience with Scanning Probe Methods, Bad Honnef, DE, 2019-10-27 to 10-31 🍷

Eimre Kristjan/Di Giovannantonio M./Yakutovich A./Pignedoli C. A./Urgel J. I./Mishra S./Chen Q./Ruffieux P./Narita A./Müllen K./Fasel R.

On-surface synthesis and characterization of antiaromatic and open-shell indeno[2,1-b]fluorene polymers. Sixth C4 Workshop, University of Zürich, 2019-06-05 🍷

Eimre Kristjan/Urgel J. I./Hayashi H./Ruffieux P./Passerone D./Yamada H./Pignedoli C. A./Fasel R.

On-surface synthesis and characterization of N-doped undecacene: a combined experimental and theoretical study. Empa PhD Students' Symposium 2019, St Gallen, 2019-11-28 🍷

Eimre Kristjan/Yakutovich A./Talirz L./Pizzi G./Passerone D./Pignedoli C. A.

Examples of on-surface chemistry within AiiDALab. MARVEL Review and Retreat 2019, EPFL, 2019-09-05 to 09-06 🍷

Eimre Kristjan/Di Giovannantonio M./Yakutovich A./Pignedoli C. A./Urgel J. I./Mishra S./Chen Q./Ruffieux P./Narita A./Müllen K./Fasel R.

On-surface synthesis and characterization of antiaromatic and open-shell indeno[2,1-b]fluorene polymers. CMSZH Graduate School Retreat 2019, Charmey, Gruyeres, 2019-01-16 to 01-20 🍷

Eimre Kristjan/Di Giovannantonio M./Yakutovich A./Pignedoli C. A./Urgel J. I./Mishra S./Chen Q./Ruffieux P./Narita A./Müllen K./Fasel R.

On-surface synthesis and characterization of antiaromatic and open-shell indeno[2,1-b]fluorene polymers. Simons Collaboration Many Electron Summer School, Stony Brook University, US, 2019-06-10 to 06-14 🍷

Eimre Kristjan/Di Giovannantonio M./Yakutovich A./Pignedoli C. A./Urgel J. I./Mishra S./Chen Q./Ruffieux P./Narita A./Müllen K./Fasel R.

On-surface synthesis and characterization of anti-aromatic open-shell polymers: a combined experimental and computational study. ESCOMP: Advanced Electronic Structure Methods in Condensed Matter Physics, EPFL, 2019-07-08 to 07-10 ◆

Eimre Kristjan/Urgel J. I./Hayashi H./Ruffieux P./Passerone D./Yamada H./Pignedoli C. A./Fasel R.

On-surface synthesis and characterization of N-doped undecacene: a combined experimental and theoretical study. Joint annual meeting of Swiss and Austrian Physical Society 2019, University of Zürich, 2019-08-26 to 08-30 ●

Fasel Roman

On-surface synthesis of graphene nanoribbons: From molecules to devices. SFB Seminarreihe Universität Göttingen and Max Planck Institute for Biophysical Chemistry, Göttingen, DE, 2019-01-17 ● ○

Fasel Roman

Semiconductor engineering by atomic scale structural control in graphene nanoribbons. 17th International Conference on the Formation of Semiconductor Interfaces (ICFSI 17), Shanghai, CN, 2019-06-24 to 06-28 ● ○

Fasel Roman

Polybenzenoid hydrocarbons with intrinsic p-magnetism. Seminar of the Institute of Functional Nano & Soft Materials (FUNSOM), Soochow University, Suzhou, CN, 2019-06-27 ● ○

Fasel Roman

Nanographenes with intrinsic p-magnetism. European Conference on Chemistry of 2D Materials (Chem2Dmat), Dresden, DE, 2019-09-03 to 09-06 ● ○

Fasel Roman

Nanographenes with intrinsic p-magnetism: From molecules to spin chains. 5th Erlangen Symposium on Synthetic Carbon Allotropes, FAU Erlangen, DE, 2019-09-30 ● ○

Fasel Roman

Topological quantum phases in graphene nanoribbons. Debye Institute 30th Anniversary Symposium, Debye Institute for Nanomaterials Science, Utrecht, NL, 2019-10-17 ● ○

Gandus Guido/Mathieu Luisier/Carlo Pignedoli/Daniele Passerone

Ab-initio characterization of the electronic and transport properties of prototypical GNR-based devices. Rome Graphene conference, Rome, IT, 2019-06-25 to 06-28 ◆

Gandus Guido/Mathieu Luisier/Carlo Pignedoli/Daniele Passerone

Ab-initio characterization of the electronic and transport properties of prototypical GNR-based devices. Topical day empa, Dübendorf Empa, 2019-08-09 ●

Gandus Guido/Mathieu Luisier/Carlo Pignedoli/Daniele Passerone

Contact engineering and development in transport theory. Marvel retreat day, Lausanne, 2019-09-05 ◆

Gandus Guido/Mathieu Luisier/Carlo Pignedoli/Daniele Passerone

Contact engineering and development in transport theory. Juelich summer school, Forschungszentrum Jülich, DE, 2019-09-16 to 09-20 ◆

Gandus Guido

Interview for Marvel event. Many electron collaboration summer School, Stony Brook NY, New York, US, 2019-06-07 to 06-14 ●

Gasparotto Piero/Carlo Antonio Pignedoli

Using machine learning approaches to interpret and design graphene-derived nanomaterials. CPMD 2019, Pushing the Boundaries of Molecular Dynamics, Lausanne, EPFL, 2019-07-22 to 07-24 ◆

Gasparotto Piero/Carlo Antonio Pignedoli

Designing graphene nanoribbons through AI. Using Physical Insights for Machine Learning, Los Angeles, IPAM, US, 2019-11-18 to 11-27 ◆

Gröning Oliver

Engineering of Quantum Phases in Graphene Nanoribbons. SPS'19 — 8th International Conference on Scanning Probe Spectroscopy, Hamburg, DE, 2019-06-18 to 06-20 ● ○

Gröning Oliver

Engineering of novel electronic materials by the atomically precise on-surface synthesis of graphene nanostructures. International Workshop on Nanomaterials and Nanodevices 2019, Beijing, CN, 2019-06-30 to 07-03 ● ○

Gröning Oliver

Engineering of novel electronic materials by the atomically precise on-surface synthesis of graphene nanostructures. Seminar Peking University, Beijing, CN, 2019-07-08 ● ○

Gröning Oliver/Shiyong Wang/Qiang Sun/Akimitsu Narita/Müllen Klaus/Pascal Ruffieux/and Roman Fasel

Topological quantum phases in atomically precise graphene nanoribbons. Frühjahrstagung der Deutschen Physikalischen Gesellschaft 2019, Regensburg, DE, 2019-03-31 to 04-05 ● ○

Kinikar Amogh

Fusion of alkyl groups to form phenyl rings: a new on-surface reaction. Joint Annual Meeting of SPS and ÖPG 2019, Zürich, 2019-08-26 to 08-30 ●

Liu Li Wei/Dienel Thomas/Günzburger Gino/Widmer Roland/Wang Yeliang/Gröning Oliver

Site-dependent Rearrangement of Molecular Orbitals by Single Atomic Vacancies in Monolayer h-BN. The 22nd International Conference on Non-contact Atomic Force Microscopy, Regensburg, DE, 2019-07-29 to 08-02 ◆

Mishra Shantanu/Beyer Doreen/Yao Xuelin/Chen Qiang/Eimre Kristjan/Liu Junzhi/Berger Reinhard/Pignedoli Carlo/Gröning Oliver/Narita Akimitsu/Müllen Klaus/Feng Xinliang/Ruffieux Pascal/Fasel Roman

On-surface synthesis and magnetic ordering in bowtie- and rhombus-shaped polybenzenoid hydrocarbons. 14th International Symposium on Functional p-Electron Systems, Berlin, DE, 2019-06-02 to 06-07 ◆

Mishra Shantanu

Polybenzenoid hydrocarbons with intrinsic p-magnetism. 8th International Conference on Scanning Probe Spectroscopy, Hamburg, DE, 2019-06-17 to 06-20 ●

Passerone Daniele/Marzari Nicola/Luisier Mathieu/Calame Michel/Fasel Roman/

MARVEL Transport Day, Empa, 2019-05-13 ■

Passerone Daniele/Shantanu Mishra/Oliver Gröning/Roman Fasel/Pascal Ruffieux/Kristjan Eimre and Carlo A. Pignedoli

Atomically Precise Graphene-derived Nanostructures: Simulation Helps Experiment. Graphene 2019, Rome, IT, 2019-06-25 to 06-28 ◆

Pignedoli Carlo Antonio

Increasing the yield of atomistic simulations via high standardization. Invited seminar at EPFL-Sion, Sion, 2019-03-06 ●○

Pignedoli Carlo Antonio/Kristjan Eimre

Examples of on surface chemistry within AiiDA lab. MARVEL Review and Retreat, EPFL Lausanne, 2019-09-05 to 09-06 ◆

Pignedoli Carlo Antonio

On-surface synthesis of graphene nanoribbons from a computational perspective. 19th International Workshop on Computational Physics and Material Science: Total Energy and Force Methods, Trieste, IT, 2019-01-09 to 01-11 ●○

Popoff Youri

Large piezoelectric response of Submicron Lead Zirconate Titanate Actuators. Spring EMRS, Nice, FR, 2019-05-27 to 05-31 ●○

Popoff Youri

PET Device fabrication and processing. PETMEM Workshop, Nice, FR, 2019-05-31 ◆○

Popoff Youri

Large piezoelectric response of Submicron Lead Zirconate Titanate Actuators. ISASF, Lausanne, 2019-07-14 to 07-19 ●

Popoff Youri

Integration of Piezoelectronic Transistors on Silicon. Fall EMRS, Warsaw, PL, 2019-09-16 to 09-19 ●

Popoff Youri

Large piezoelectric response of Submicron Lead Zirconate Titanate Actuators. Fall EMRS, Warsaw, PL, 2019-09-16 to 09-19 ●

Ruffieux Pascal

Graphene Nanoribbons: Engineered Electronic and Topological Properties by Bottom-up Fabrication. 1D2D NANO-MAT, La Marana, FR, 2019-06-02 to 07-13 ●○

Sun Qiang/Oliver Gröning/Xuelin Yao/Akimitsu Narita/Klaus Müllen/Pascal Ruffieux/Roman Fasel

Design and realization of electronic quantum phases in graphene nanoribbons. Designing Artificial Quantum Matter, Donostia-San Sebastián, ES, 2019-07-15 to 07-19 ◆

Sun Qiang/Oliver Gröning/Jan Overbeck/Oliver Braun/Mickael L. Perrin/Gabriela Borin Barin/Maria El Abbassi/Kristjan Eimre/Edward Ditler/Carlo A. Pignedoli/Michel Calame/Roman Fasel/Pascal Ruffieux

Massive Dirac fermion behavior in a low bandgap graphene nanoribbon near a topological phase boundary. MARVEL Review and Retreat 2019, Lausanne, 2019-09-05 to 09-06 ●

Widmer Roland/Stolz Samuel/Gröning Oliver/Prinz Jan/Brune Harald

Molecular motor at the frontier of classical motion and quantum tunneling. Symposium Chirality @ The Nanoscale, Congresso Stefano Franscini (CSF), Ascona, 2019-10-13 to 10-17 ●

Widmer Roland/Stolz Samuel/Gröning Oliver/Prinz Jan/Brune Harald

Molecular motor at the frontier of classical motion and quantum tunneling. ECMetAC Days 2019, MPI Dresden, DE, 2019-12-03 to 12-06 ●

Amelal Thomas/Chacko Aarati/Thorwarth Kerstin/Ansó Juan

Coating of surgical tools for neuromonitoring applications. XXVI. Erfahrungsaustausch Mühleithen, Ferienhotel Mühleithen, DE, 2019-03-05 to 03-07 ●

Balozovic Milos/Anaïs Mairena/Maciej Kawecki/Laetitia Bernard/Christian Wäckerlin/Karl-Heinz Ernst/Konstantin Grenader/Andreas Terfort/Martin Wienke/Kevin Martin/Narcis Avarvari

Diastereoselective Ullmann coupling of 9-bromoheptahelicene and the fate of hence released bromine upon (cyclo) dehydrogenation of reaction products. 35th Swiss Working Group for Surface and Interface Science (SAOG) conference, Fribourg, 2019-01-30 ●

Balozovic Milos/Anaïs Mairena/Maciej Kawecki/Laetitia Bernard/Christian Wäckerlin/Karl-Heinz Ernst/Konstantin Grenader/Andreas Terfort/Martin Wienke/Kevin Martin/Narcis Avarvari

Tuning the 3D-molecular structure by on-surface Hydrogen exchange. Empa Lab 203 Nanocale Materials Science Directorate visit, Dübendorf, 2018-12-07 ●

<p>Baljozovic Milos/Anaïs Mairena/Benito Arnoldi/Andre Luis Fernandes Cauduro/Eduardo Bonini Guedes/Christian Wäckerlin/Jan Voigt/Bahaaeddin Irziqat/Jan Hugo Dill/Benjamin Stadtmüller/Andreas Schmid/Karl-Heinz Ernst</p> <p>Absence of Chirality Induced Spin Selectivity (CISS) in molecular layers of helicenes. Symposium Chirality @ The Nanoscale, Congresso Stefano Franscini (CSF), Ascona, 2019-10-13 to 10-17 ◆</p>
<p>Baljozovic Milos/Anaïs Mairena/Maciej Kawecki/Konstantin Grenader/Martin Wienke/Kevin Martin/Laetitia Bernard/Narcis Avarvari/Andreas Terfort/Karl-Heinz Ernst/Christian Wäckerlin</p> <p>Diastereoselective Ullmann coupling of 9-bromoheptahelicene, (cyclo)dehydrogenation of reaction products and consequent HBr desorption. Symposium Chirality @ The Nanoscale, Congresso Stefano Franscini (CSF), Ascona, 2019-10-13 to 10-17 ◆</p>
<p>Baljozovic Milos/Christian Wäckerlin/Karl-Heinz Ernst</p> <p>Interaction of molecular hydrogen with manganese macrocycles for reversible storage. LightChEC Project Evaluation Symposium 2019, Uni Zurich, 2019-05-09 to 05-10 ◆</p>
<p>Baljozovic Milos/Anaïs Mairena/Maciej Kawecki/Konstantin Grenader/Martin Wienke/Kevin Martin/Samuel Lampart/Ales Cahlik/Aurelio Gallardo Caparrós/Laetitia Bernard/Narcis Avarvari/Andreas Terfort/Jay Siegel/Pavel Jelinek/Christian Wäckerlin/Karl-Heinz Ernst</p> <p>Unravelling the role of transient hydrogen exchange in on-surface chemistry. 32nd Symposium on Surface Science (3S'19), Baqueira Beret, ES, 2019-03-10 to 03-16 ◆</p>
<p>Baljozovic Milos/Anaïs Mairena/Maciej Kawecki/Konstantin Grenader/Martin Wienke/Kevin Martin/Samuel Lampart/Ales Cahlik/Aurelio Gallardo Caparrós/Laetitia Bernard/Narcis Avarvari/Andreas Terfort/Jay Siegel/Pavel Jelinek/Christian Wäckerlin/Karl-Heinz Ernst</p> <p>Stereospecific dehydrogenation and hydrogenation chemistry of non-planar hydrocarbons. LightChEC Project Evaluation Symposium 2019, Uni Zurich, 2019-05-09 to 05-10 ◆</p>
<p>Bernard Laetitia/Kawecki Maciej/Scholder Olivier/Hani Roland/Diethelm Matthias/Vandenbossche Marianne/Rupper Patrick/Dirk Hegemann</p> <p>Functional polymer films: Where the good old Cs⁺ can help. 22nd International Conference on on Secondary Ion Mass Spectrometry, Kyoto, JP, 2019-10-20 to 10-25 ● ○</p>
<p>Bernard Laetitia</p> <p>Industrial Session. 22nd International Conference on on Secondary Ion Mass Spectrometry, Kyoto, JP, 2019-10-20 to 10-25 ▲ ○</p>
<p>Chacko Aarati/Crockett Rowena/Thorwarth Kerstin/Hug Hans J.</p> <p>HiPIMS Metallization of Polymers: Surface Chemistry. ECASIA, Dresden, DE, 2019-09-15 to 09-20 ◆</p>
<p>Chacko Aarati/Thorwarth Kerstin/Gauter Sven/Crockett Rowena/Hug Hans J.</p> <p>Metallization of Polymers for Medical Applications using HiPIMS. ICMCTF 2019, San Diego, US, 2019-05-20 to 11-22 ◆</p>
<p>Ernst Karl-Heinz</p> <p>Stereospecific chemistry and self-assembly of carbohelicenes on surfaces. Symposium on Surface and Nanoscience 2019, Shizukuishi, JP, 2019-01-14 to 01-18 ● ○</p>
<p>Ernst Karl-Heinz</p> <p>On the density of racemic and homochiral crystals: Wallach, Liebisch and Sommerfeld in Göttingen. International Workshop on Nanomaterials and Nanodevices, Changsha, CN, 2019-06-30 to 07-06 ● ○</p>
<p>Ernst Karl-Heinz</p> <p>On-surface topochemistry of helicenes. International Workshop on Nanomaterials and Nanodevices, Beijing, CN, 2019-07-01 to 07-05 ● ○</p>
<p>Ernst Karl-Heinz</p> <p>On-surface topochemistry of helicenes. National Meeting of the American Chemical Society, San Diego, US, 2019-08-25 to 11-28 ● ○</p>
<p>Ernst Karl-Heinz</p> <p>Chirality and the emergence of molecular structure. Atomic Level Characterization 2019, Kyoto, JP, 2019-10-20 to 10-25 ● ○</p>
<p>Fischer Maria/Scopece Daniele/Trant Mathis/Pignedoli Carlos/Thorwarth Kerstin/Passerone Daniele/Hug Hans Josef</p> <p>Vacancies to Compensate for Electronic Imbalances in Crystals. ICMCTF, San Diego, US, 2019-05-20 to 05-24 ◆</p>
<p>Fischer Maria/Trant Mathis/Thorwarth Kerstin/Scopece Daniele/Pignedoli Carlos/Passerone Daniele/Hug Hans Josef</p> <p>Al Vacancies in Wurtzite Al-(Si)-(O)-N: Theory and Experimental. ICMCTF, San Diego, US, 2019-05-20 to 05-24 ●</p>
<p>Irziqat Bahaaeddin/Jan Berger/Jesus Mendieta/Shyam Sundar/AshutoshBedekar/Pavel Jelinek/Karl-HeinzErnst</p> <p>Chiral recognition in the self-assembly of trioxa[11]helicene molecules on metal surfaces. Symposium Chirality @ The Nanoscale Conference, Ascona, 2019-10-13 to 10-17 ◆</p>
<p>Bodnarchuk Maryna</p> <p>Colloidal Quantum Dots: from their Discovery to Applications. Swiss Chemical Society SCS Spring Meeting 2019, Dübendorf, 2019-04-05 ● ○</p>
<p>Bodnarchuk Maryna</p> <p>Surface Chemistry of Colloidal Cesium Lead Halides Nanocrystals. MRS Spring Meeting 2019, Phoenix, Arizona, US, 2019-04-22 to 04-26 ● ○</p>

Bodnarchuk Maryna

Self-assembly of colloidal inorganic nanocrystals. To.Sca.Lake Summer School, Como, IT, 2019-05-27 to 05-30 🍷 ○

Bodnarchuk Maryna

Surface Chemistry of Colloidal Cesium and Formamidinium Lead Halides Perovskite Nanocrystals. EMRS Spring Meeting 2019, Nice, FR, 2019-05-27 to 05-30 🍷 ○

Bodnarchuk Maryna

Surface Chemistry of Colloidal Cesium Lead Halides Nanocrystals. 10th International conference on materials for advanced technologies (ICMAT 2019), Singapore, SG, 2019-06-23 to 06-28 ♦

Bodnarchuk Maryna

Emerging Light-Emitting Materials and Devices—Perovskite Emitters, Quantum Dots and Other Low-Dimensional Nanoscale Emitters. 2019 MRS Fall Meeting, Boston, US, 2019-12-01 to 12-06 🍷

Bolat Sami/Mancinelli Alessio/Torres Sevilla Galo/Gilshtein Evgeniia/Shorubalko Ivan/Briand Danick/Tiwari Ayodhya N./Romanyuk Yaroslav E.

Printed oxide dielectrics for low temperature solution processed thin film transistors. Swiss ePrint 2019, Fribourg, 2019-09-24 to 09-25 ♦

Cabas Vidani Antonio/Andres Christian/Márquez José A./Choubrac Leo/Unold Thomas/Tiwari Ayodhya/Romanyuk Yaroslav

Is back contact recombination a limiting factor for CZTSSe performance? EMRS spring 2019, Nice, FR, 2019-05-27 to 05-31 ♦

Cabas Vidani Antonio/Andres Christian/Tiwari Ayodhya/Romanyuk YaroslavSolution-processed $(\text{Li}_x\text{Cu}_{1-x})_2\text{ZnSn}(\text{S},\text{Se})_4$ thin film solar cells. IUPAC 2019 100th anniversary, Paris, FR, 2019-07-07 to 07-12 🍷**Cabas Vidani Antonio/Azzouzi Mohammed/Haass Stefan/Rohr Jason/Tiwari Ayodhya/Romanyuk Yaroslav/Nelson Jenny**

Voltage Loss Analysis for CZTSSe Solar Cells with Sn Content Variation. MRS spring 2019, Phoenix, US, 2019-04-22 to 04-26 ♦

Carron Romain/Nishiwaki Shiro/Feurer Thomas/Hertwig Ramis/Avancini Enrico/Löckinger Johannes/Yang Shih-Chi/Buecheler Stephan/Tiwari Ayodhya N.Alkali incorporation in high-efficiency $\text{Cu}(\text{In},\text{Ga})\text{Se}_2$ solar cells on flexible substrates. 36th EU PVSEC, Marseille, FR, 2019-09-09 to 09-13 🍷**Carron Romain/Carron Romain/Buecheler Stephan/Avancini Enrico/Feurer Thomas/Loeckinger Johannes/Weiss Thomas/Ochoa Mario/Hertwig Ramis/Yang Shih-Chi/Nishiwaki Shiro/Sozzi Giovanna/Me-nozzi Roberto/Tiwari Ayodhya** $\text{Cu}(\text{In},\text{Ga})\text{Se}_2$ Thin-Film Solar Cells: Are New Device Concepts Required for Further Efficiency Leap? MRS Spring meeting 2019, Phoenix, US, 2019-04-22 to 04-26 🍷 ○**Carron Romain**

Emerging Solar Photovoltaic Technologies for Electricity Generation. 8th WMRIF Symposium and General Assembly, Budapest, HU, 2019-06-17 to 06-19 🍷

Dubey Romain J.-C./Kravchyk Kostiantyn/Kovalenko Maksym

High-Mass-Loading Graphite Anodes. Seminar SCCER HaE WP2 Meeting, University of Fribourg - Fribourg, 2019-05-14 🍷 ○

Dubey Romain J.-C./Kravchyk Kostiantyn/Kovalenko Maksym

Laser Patterning of High-Mass-Loading Graphite Anodes for Improved Li-Ion Transport. Seminar SCCER HaE WP2 Meeting, Empa Dübendorf, 2019-09-11 🍷 ○

Dubey Romain J.-C./Kravchyk Kostiantyn/Kovalenko Maksym

High-areal-capacity Graphite Anodes for Li-ion Batteries. SCCER Annual Meeting 2019, Empa Dübendorf, 2019-11-05 ♦

Dubey Romain J.-C./Wang Shutao/Kravchyk Kostiantyn/Kovalenko Maksym

Low-cost Electrochemical Energy Storage Solutions using Earth-Abundant Materials. ETH Evaluation, ETH Zurich, 2019-05-06 ♦

Dubey Romain J.-C./Vallachira Pradeep/Krumeich Frank/Blugan Gurdial/Kravchyk Kostiantyn/Graule Thomas/Kovalenko Maksym Kovalenko

Silicon Oxycarbide Tin Nanocomposite as a High-Power-Density Anode for Li Ion Batteries. 35th Swiss Electrochemistry Symposium, Aarau, 2019-05-22 ♦

Dubey Romain J.-C./Vallachira Pradeep/Krumeich Frank/Blugan Gurdial/Kravchyk Kostiantyn/Graule Thomas/Kovalenko Maksym

Silicon Oxycarbide Tin Nanocomposite as a High-Power-Density Anode for Li-Ion Batteries. SCS Fall Meeting 2019, University of Zurich/Zurich, 2019-09-06 ♦

Dubey Romain J.-C./Vallachira Pradeep/Krumeich Frank/Blugan Gurdial/Kravchyk Kostiantyn/Graule Thomas/Kovalenko Maksym

Silicon Oxycarbide-Tin Nanocomposite as a High-Performance Anode for Li-Ion Batteries. NAREP + Energy Seminar, Empa Dübendorf, 2019-11-04 🍷 ○

Dubey Romain J.-C./Vallachira Pradeep/Krumeich Frank/Blugan Gurdial/Kravchyk Kostiantyn/Graule Thomas/Kovalenko Maksym

Silicon Oxycarbide-Tin Nanocomposite as a High-Power-Density Anode for Li-Ion Batteries. SCCER Annual Meeting 2019, Empa Dübendorf, 2019-11-05 ♦

<p>Dubey Romain J.-C./Vallachira Pradeep/Kravchyk Kostiantyn/Kovalenko Maksym SiSnOC Ceramic Nanocomposites for High Energy Density Li-Ion Batteries: Possibilities and Limitations. Seminar SCCER WP2 Meeting, Berner Fachhochschule, Burgdorf, 2019-01-10 ● ○</p>
<p>Dubey Romain J.-C./Nüssli Jasmin/Piveteau Laura/Kravchyk Kostiantyn/Rossell Marta/Campanini Marco/Erni Rolf/Kovalenko Maksym/Stadie Nicholas Zeolite-Templated Carbon as the Cathode for a High-Energy-Density Dual-Ion Battery. 35th Swiss Electrochemistry Symposium, Aarau, 2019-05-22 ◆</p>
<p>Dubey Romain J.-C. MaP Graduate Symposium 2018, ETH Zurich, 2019-07-03 ■</p>
<p>Dubey Romain J.-C./Vallachira Pradeep/Krumeich Frank/Blugan Gurdial/Kravchyk Kostiantyn/Graule Thomas/Kovalenko Maksym Silicon Oxycarbide Tin Nanocomposite as a High-Performance Anode for Li-Ion Batteries. Swiss Battery Days, Empa Dübendorf, 2019-08-26 to 11-28 ●</p>
<p>Dubey Romain J.-C./Vallachira Pradeep/Krumeich Frank/Blugan Gurdial/Kravchyk Kostiantyn/Graule Thomas/Kovalenko Maksym Silicon Oxycarbide-Tin Nanocomposite as a High-Power-Density Anode for Li-Ion Batteries. Swiss Battery Days, Empa Dübendorf, 2019-08-26 to 11-28 ◆</p>
<p>Feurer Thomas ES20: Thin-Film Chalcogenide Semiconductor Photovoltaics, Session ES20.05: Interface and Material. MRS Spring Meeting, Phoenix AZ, US, 2019-04-24 ▲</p>
<p>Feurer Thomas/Pisoni Stefano/Moser Thierry/Jang Yan/Fu Fan/Nishiwaki Shiro/Carron Romain/Buechler Stephan/Tiwari Ayodhya CIGS for tandem solar cells. IW-CIGSTech 10, Paris, FR, 2019-05-23 to 05-24 ● ○</p>
<p>Feurer Thomas/Pisoni Stefano/Moster Thierry/Jang Yan/Fu Fan/Carron Romain/Nishiwaki Shiro/Buechler Stephan/Tiwari Ayodhya Development of CIS and Perovskite Solar Cells for all Thin-Film Tandem Applications. MRS Spring meeting 2019, Phoenix AZ, US, 2019-04-22 to 04-26 ●</p>
<p>Fu Fan/Fu Fan/Shiro Nishiwaki/Stefano Pisoni/Yan Jiang/Thierry Moser/Thomas Feuer/Torres S. Galo/Romain Carron/Ayodhya N. Tiwari Flexible perovskite/Cu(In,Ga)Se₂ monolithic tandem solar cells. 5th International Conference on Perovskite Solar Cells and Optoelectronics, Lausanne, 2019-09-30 to 10-02 ◆</p>
<p>Gilshstein Evgeniia/Yaroslav Romanyuk Thin film Materials & Technologies for a Sustainable Future. Seminar, Skolkovo Institute of Science and Technology, RU, 2019-09-05 ● ○</p>
<p>Gilshstein Evgeniia/Yaroslav Romanyuk New approaches in Thin Film Technologies. Seminar, Tsinghua University, CN, 2019-10-02 ● ○</p>
<p>Gilshstein Evgeniia/Yaroslav Romanyuk Cutting edge research in Thin film Materials & Technologies. Seminar, Aalto University, FI, 2019-10-31 ● ○</p>
<p>Gilshstein Evgeniia/Frank Clemens/Thomas Graule/Ayodhya N. Tiwari/Hui Wu/Yaroslav E. Romanyuk Conductive nanoparticle ITO films obtained by dye-assisted sintering. Swiss e-Print 2019, Fribourg, 2019-09-23 to 09-25 ◆</p>
<p>Gilshstein Evgeniia/Frank Clemens/Thomas Graule/Hui Wu/Ayodhya N. Tiwari/Yaroslav Romanyuk Sintering of dye-sensitized, conductive nanoparticle ITO films with Intense Pulsed Light. ICFPE 2019 (International Conference on Flexible and Printed Electronics), Taipei Nangang Exhibition Center, Hall 1, TW, 2019-10-23 to 10-25 ●</p>
<p>Hertwig Ramis/Ochoa Mario/Carron Romain/Sevilla Galo/Feurer Thomas/Tiwari Ayodhya On the development of Cd-free CIGS solar cells: Focusing on dry processing route. EUPVSEC 2019, Marseille, FR, 2019-09-09 to 09-13 ◆</p>
<p>Jiang Yan WP4: Development of perovskite/CIS 4T solar cells and modules, targeting 30 and 25% efficiency, respectively. proposal meeting, Brussel, BE, 2019-03-06 to 11-07 ● ○</p>
<p>Kovalenko Maksym Highly luminescent lead halide perovskite nanocrystals: genesis, properties and applicatio. NanoGe International Conference on Perovskite and Organic Photovoltaics and Optoelectronics Conference (IPEROP19), Kyoto, Japan, January 27-29th, 2019Ko, Kyto, JP, 2019-01-27 to 01-29 ● ○</p>
<p>Kovalenko Maksym Colloidal Lead Halide Perovskite Nanocrystals: From Discovery to Applications. Second International Seminar on "Low-energy structural and electronic dynamics in soft semiconducting materials. Weizmann Institute, Tel Aviv, IL, 2019-02-06 to 02-08 ● ○</p>
<p>Kovalenko Maksym Highly Luminescent Nanocrystals of Cesium and Formamidinium Lead Halide Perovskites: From Discovery to Applications. Technion, Colloquium at Russell Berrie Nanotechnology Institute, Technion, Haifa, IL, 2019-02-20 ● ○</p>
<p>Kovalenko Maksym Highly Luminescent Nanocrystals of Cesium and Formamidinium Lead Halide Perovskites: From Discovery to Applications. NanoGe International Conference on Perovskite Photonics and Optoelectronics (PEROPTO19), Jerusalem, IL, 2019-02-25 to 02-27 ● ○</p>

Kovalenko Maksym Chemistry at the Interface of Solution-Processed Inorganic Materials Colloidal Nanoparticle Synthesis and Assembly. Understanding the Inorganic-Organic Interface in Colloidal Nanomaterials. 257th ACS National Meeting, Orlando, FL, US, 2019-03-31 to 04-04 ● ○
Kovalenko Maksym Colloidal Nanoparticles: From Synthesis to Applications. MRS Spring Meeting, Phoenix Arizona, US, 2019-04-22 to 04-26 ● ○
Kovalenko Maksym Symposium: Excitonic Materials and Quantum Dots for Energy Conversion. MRS Spring Meeting, Phoenix Arizona, US, 2019-04-22 to 04-26 ▲
Kovalenko Maksym Symposium: Perovskite-Based Light-Emission & Frontier Phenomena: Single-Crystals, Thin-Films and Nanocrystals. MRS Spring Meeting, Phoenix Arizona, US, 2019-04-22 to 04-26 ▲
Kovalenko Maksym Introduction to Colloidal Inorganic Nanocrystals. Workshop "A Total Scattering School", To.Sca.Lake 3.0. Villa del Grumello, Como, IT, 2019-05-27 to 05-31 ● ○
Kovalenko Maksym Halide Perovskites: Fundamentals, Photovoltaics and Opto-Electronics. SISF -International Solar Forum 2019, Sungkyun, KR, 2019-06-19 to 06-21 ● ○
Kovalenko Maksym Colloidal Cesium and Formamidinium Lead Halide Perovskite Nanocrystals: Genesis, Properties and Applications. ICMAT 2019, Singapore, SG, 2019-06-23 to 06-29 ● ○
Kovalenko Maksym Highly Luminescent Colloidal Nanocrystals of Lead Halide Perovskites. Nanax 9, "Nanoscience with Nanocrystals", Hamburg, DE, 2019-09-16 to 09-20 ● ○
Kovalenko Maksym Highly Luminescent Nanocrystals of Cesium and Formamidinium Lead Halide Perovskites: From Discovery to Applications. 5th international symposium on energy chemistry & materials (ISECM) at Fudan University Shanghai, Shanghai, CN, 2019-10-17 to 10-22 ● ○
Kovalenko Maksym nanoGe 2019, Berlin, DE, 2019-11-03 to 11-08 ■
Kovalenko Maksym Novel Low-Dimensional Tin and Antimony Halide Compounds and Their Unconventional Applications. MRS Fall Meeting 2019, Boston, MS, US, 2019-11-29 to 11-07 ● ○
Kovalenko Maksym Symposium EN09 "Advances in the Fundamental Science of Halide Perovskite Optoelectronics", Boston, USA, December 1-6, 2019. MRS Fall Meeting, Boston, MS, US, 2019-12-01 to 12-06 ▲
Kovalenko Maksym Highly Luminescent Colloidal Nanocrystals of Lead Halide Perovskites. Workshop on Nanomaterials and Their Applications in Displays and Photonics (NanoDisP). Hong Kong University of Science and Technology, Hong Kong, Hong Kong, HK, 2019-12-11 to 12-13 ● ○
Moser Thierry/Yan Jiang/Ayodhya Tiwari/Fan Fu Scalable PVD-CVD deposition of perovskite absorbers. 5th International Conference on Perovskite Solar Cells and Optoelectronics, Lausanne, 2019-09-30 to 10-02 ◆
Moser Thierry/Stefano Pisoni/Yan Jiang/Stephan Buecheler/Ayodhya Tiwari Sputtered Ni1-xMgxO as hole transporting layer for stable perovskite solar cells. E-MRS 2019 Spring Meeting, Nice, FR, 2019-05-27 to 05-31 ●
Ochoa Mario/Carron Romain/Yang Shih-Chi/Feurer Thomas/Nishiwaki Shiro/Bücheler Stephan/Tiwari Ayodhya N. TRPL (mapping) measurements: Application to CuInGaSe2 thin film solar cells. Collaboration with PicoQuant GmbH, Berlin, DE, 2019-10-10 ● ○
Ochoa Mario/Weiss Thomas/Bissig Benjamin/Feurer Thomas/Carron Romain/Wolter Max H./Löckinger Johannes/Avancini Enrico/Siebentritt Susanne/Nishiwaki Shiro/Bücheler Stephan/Tiwari Ayodhya N. On the estimation of minority carrier properties of CI(G)S: TRPL measurements and simulation. OptiCIGS II project meeting, Halle, DE, 2019-03-11 to 03-12 ● ○
Ochoa Mario/Ochoa Mario/Carron Romain/Yang Shih-Chi/Feurer Thomas/Hertwig Ramis/Nishiwaki Shiro/Bücheler Stephan/N. Tiwari Ayodhya Spatial Inhomogeneities of Carrier Transport Properties in Polycrystalline Thin-Film Solar Cells. Material Research Society (MRS) Spring meeting 2019, Phoenix, Arizona, US, 2019-04-22 to 04-26 ●
Romanyuk Yaroslav/Tiwari Ayodhya/Aghass-Hagmann Jasmin Science-Industry-Symposium NanoVision 2019. "Printable Functional Oxides for Electronics and Energy Applications", Dübendorf, 2019-02-20 to 02-21 ■
Romanyuk Yaroslav Swiss ePrint 2019 conference. Swiss ePrint 2019 conference, Fribourg, 2019-09-23 to 09-25 ■

Sastre Pellicer Jordi/Chen Xubin/Aribia Abdessalem/Priebe Agnieszka/Michler Johann/Tiwari Ayodhya N./Buecheler Stephan/Romanyuk Yaroslav E.

High Li-ion conductivity in sputtered Li₇La₃Zr₂₀12 thin films for all-solid-state lithium batteries. 2nd Swiss and Surrounding Battery Days, Dübendorf, 2019-08-26 to 08-28 ◆

Sastre Pellicer Jordi/Priebe Agnieszka/Tiwari Ayodhya N./Romanyuk Yaroslav E./Buecheler Stephan

Sputtered Li₇La₃Zr₂₀12 thin films as electrolyte for all-solid-state lithium batteries. 22nd International Conference on Solid State Ionics, PyeongChang, KR, 2019-06-16 to 06-21 ◆

Sastre Pellicer Jordi

Thin-film Li₇La₃Zr₂₀12 electrolyte materials for all-solid-state batteries. NanoVision 2019, Dübendorf, 2019-02-20 to 02-21 ●

Sastre Pellicer Jordi/Priebe Agnieszka/Tiwari Ayodhya N./Romanyuk Yaroslav E./Buecheler Stephan

Thin-film Li₇La₃Zr₂₀12 electrolytes for all-solid-state batteries. 2019 MRS Spring Meeting, Phoenix, US, 2019-04-22 to 04-26 ●

Shynkarenko Yevhen/Bodnarchuk I. Maryna/Yakunin Sergii/Kovalenko V. Maksym

Lead halide perovskites for optoelectronic applications. The 20th International Young Scientists Conference Optics and High Technology Material Science – SPO 2019, Kyiv, UA, 2019-09-26 to 09-29 ●○

Tiwari Ayodhya N.

Progress in Flexible CIGS and Perovskite/CIGS Tandem Photovoltaics. Global Photovoltaic Conference, Gwangju, KP, 2019-03-13 to 03-15 ●○

Tiwari Ayodhya N.

Solar cells: Unfolding the opportunities for a better sustainable future. International Conference on Optoelectronic and Nano Materials for Advanced Technology, Cochin, India, IN, 2019-01-03 to 01-05 ●○

Ulianova Veronika/Bolat Sami/Didenko Yuri/Torres Sevilla Galo/Shorubalko Ivan/Tatarchuk Dmytro/Romanyuk Yaroslav

Effect of deep-ultraviolet annealing on properties of Schottky diodes based on printable a-IGZO. The 5th Swiss Conference on Printed Electronics and Functional Materials, Fribourg, 2019-09-23 to 09-25 ◆

Ulianova Veronika/Bolat Sami/Torres Sevilla Galo/Shorubalko Ivan/Romanyuk Yaroslav

Effects of oxygen content and thermal annealing on sputtered a-IGZO Schottky diodes. IEEE 39th International Conference on Electronics and Nanotechnology (ELNANO), Kyiv, UA, 2019-04-16 to 04-18 ◆

Yan Jiang/Yan Jiang/Stefano Pisoni/Thierry Moser/Torres Sevilla Galo/Ayodhya N. Tiwari and Fan Fu

In₂O₃:H for enabling highly NIR-transparent perovskite solar cells. 5th international conference on perovskite solar cells and optoelectronic, Lausanne, 2019-09-30 to 10-02 ◆

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advancement in TCO and perovskite deposition. project meeting, Neuchatel, 2019-06-07 to 11-08 ●○

Yang Shih-Chi

High-efficiency flexible thin film solar cells based on single junction and tandem devices. Student meet labs 2019, ETHZ, 2019-05-15 ◆

Yang Shih-Chi/Romain Carron/Mario Ochoa/Stephan Buecheler/Ayodhya N. Tiwari

Gallium grading modifications for effective passivation of molybdenum back contact in Cu(In,Ga)Se₂ solar cells. IW-CIGSTech 10, Paris, FR, 2019-05-23 to 05-24 ◆

Engineering Sciences

Meier Urs

Sustainability of Carbon Fiber Reinforced Polymers in Construction. Gulf Conference on Sustainable Built Environment, Marina Hotel Salwa Al Sabah Ballroom, Salmiya, KW, 2019-03-10 to 03-13 ●○

Meier Urs

An Update of Past Visions of Fibre-Reinforced Megastructures. Composites in Construction, CompIC Conference, Science Park, Amsterdam, NL, 2019-04-10 to 04-11 ●○

Meier Urs

Chair of Day 1. Composites in Construction, CompIC Conference, Science Park, Amsterdam, NL, 2019-04-10 to 04-11 ▲○

Meier Urs

Die Familie Piccard und ihre Werkstoffe. Rotary Vortragsreihe, Stuttgart Marriott Hotel Sindelfingen, DE, 2019-05-31 ●○

Domaschke Sebastian

Local instability driven macroscopic deformations in fibrous networks. Annual Meeting of GAMM, Vienna, AT, 2019-02-18 to 02-22 ●

Ehret Alexander

Histology-based semi-automated 3D reconstruction and simulation of skeletal muscle tissue. Annual Meeting of GAMM, Vienna, AT, 2019-02-18 to 02-22 ●

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Section Organizer "Biomechanics". 90th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Vienna, AT, 2019-02-18 to 02-22 ■

Ehret Alexander

Experimental and modelling insights into the mechanics of random fibre networks. MUSEN Kolloquium, TU Braunschweig, Braunschweig, DE, 2019-11-07 ● ○

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A hybrid discrete-continuum model to explain the remarkable defect tolerance of soft collagenous tissues. VI International Conference on Computational Modeling of Fracture and Failure of Materials and Structures, Braunschweig, DE, 2019-06-12 to 06-14 ●

Ehret Alexander/Domaschke, S./Morel, A./Fortunato, G./Mazza, E.

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Adaptive Local-global Multiscale Simulation for Thermal Analysis of Powder Bed Additive Manufacturing. SIM-AM2019, Pavia, IT, 2019-09-11 to 09-13 ●

Hosseini Ehsan/Robmann, S./Greenfeld, D./Holdsworth, S./Mazza, E./et al

Analysis of Deformation and Fatigue Behaviour of Additively manufactured Ti6Al4V Lattice Materials. AAMS 2019, Gothenburg, SE, 2019-09-18 to 09-20 ◆

Hosseini Ehsan/Holdsworth Stuart/Hosseini Ehsan

The Effect of Temperature on TMF(HCF) Crack Initiation Endurance. 4th TMF-Workshop 2019, Berlin, DE, 2019-11-12 to 11-15 ●

Kuravi Ramachandra/Leichsenring K./Böl M./Ehret A.

Studying skeletal muscle tissue response with 3D virtual samples reconstructed from histology. 25th Congress of the European Society of Biomechanics (ESB 2019), Vienna, AT, 2019-07-07 to 07-10 ●

Affolter Christian/Aiyangar Ameet

Estimating Lumbar Passive Stiffness Behaviour from Subject-Specific Finite Element Models and In Vivo 6DOF Kinematics. 3rd International Workshop for Spine Loading and Deformation, Berlin, DE, 2019-07-04 to 07-06 ●

Aiyangar Ameet

Integrating Dynamic Stereo-Radiography with Computational Modelling Provides New Insights into In vivo Lumbar Spine Biomechanics. Orthopaedic Surgery Grand Rounds, Dallas, US, 2019-02-13 ● ○

Aiyangar Ameet/Byrapogu Venkata Kalyan C./Le Vasseur Clarissa/Donaldson William F./Lee Joon/Anderst William

In Vivo Changes in Adjacent Segment Kinematics after Lumbar Decompression and Fusion. Orthopaedic Research Society (ORS) Annual Meeting 2019, Texas, US, 2019-02-02 to 02-05 ◆

Aiyangar Ameet/Byrne Ryan/Zhang Xudong/

Sensitivity of Musculoskeletal Model-based Lumbar Spinal Loading Estimates to Type of Kinematic Input and Passive Stiffness Properties. 3rd International Workshop for Spine Loading and Deformation, Berlin, DE, 2019-07-04 to 07-06 ●

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The Effects of Kinematics and passive Tissue Property on musculoskeletal modelbased Lumbar Load Estimaes. European Society of Biomechanics Conference, Vienna, AT, 2019-07-07 to 07-10 ●

Baensch Franziska/Brunner Andreas J.

Towards predictor development for assessing structural integrity of components made from wood materials using Acoustic Emission monitoring and signal analysis. SMAR 2019 – 5th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 ●

Brunner Andreas J.

Quasi-static and fatigue fracture testing of FR composites and the insight provided by NDT. Vortrag am Institut für Verbundwerkstoffe (IVW) GmbH, Kaiserslautern, DE, 2019-06-06 ● ○

Brunner Andreas J.

Zyklische bruchmechanische Versuche an CFK: Ansätze für Detektion und Quantifizierung der Schädigung. Sitzung Carbon Composites e.V., Lindau, DE, 2019-11-06 ● ○

Brunner Andreas J./Kühnicke Horst/Oemus Martin/Schubert Lars/Trattnig Horst

Drahtlose Übertragung von Schallemissionssignalen bei Strukturüberwachung: Anforderungen. 22. Kolloquium Schallemission und 3. Anwenderseminar Zustandsüberwachung mit geführten Wellen, Karlsruhe, DE, 2019-03-27 to 03-28 ●

Brunner Andreas J./Kühnicke Horst/Oemus Martin/Schubert Lars/Trattnig Horst

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Brunner Andreas J./Potstada Philipp/Sause Markus G.R.

Microscopic damage size in fiber-reinforced polymer-matrix composites: Quantification approach via NDT measurements. ICSI 2019 The 3rd International Conference on Structural Integrity, Funchal, Madeira, PT, 2019-09-02 to 09-05 ●

Byrapogu Venkata Kalyan /LeVasseur Clarissa/Donaldson Jeremy Shaw/William F./Lee Joon/Aiyangar Ameet/Anderst William

Patient-Specific Changes in Adjacent Segment Kinematics After Lumbar Decompression and Fusion. 3rd International Workshop for Spine Loading and Deformation, Berlin, DE, 2019-07-04 to 07-06 ●

Clerc Gaspard/Niemz Peter/Brunner Andreas J./Van de Kuilen Jan-Willem G.	Anwendung geführter Wellen aus der Überprüfung der Sensorkopplung für die Bestimmung von Prüfkörpereigenschaften und Schädigungsgrad. 22. Kolloquium Schallemission und 3. Anwendungsseminar Zustandsüberwachung mit geführten Wellen, Karlsruhe, DE, 2019-03-27 to 03-28 ●
Clerc Gaspard/Sause Markus G.R./Brunner Andreas J./Niemz Peter/van de Kuilen Jan-Willem G.	Unsupervised pattern recognition of acoustic emission signals of adhesively bonded wood. 21st International Non-destructive Testing and Evaluation of Wood Symposium, Freiburg, DE, 2019-09-24 to 09-27 ●
Comensoli Lucrezia/Colpo Andrea/Palczewska Zuzanna/Heeb Markus/Brunner Andreas J./Barbezat Michel/Terrasi Giovanni	Investigating the potential of microbes for the degradation of epoxy resin related materials. Zürich Mycology Symposium, Zurich, 2019-01-19 ●
Comensoli Lucrezia/Kooli Wafa/Monachon Mathilde/Albini Monica/Junier Pilar/Joseph Edith	The Potential of Microorganisms for the Conservation-Restoration of Iron Artworks. Metal 2019, Interim Meeting of the ICOM-CC Metal Working Group, Neuchâtel, 2019-09-02 to 09-06 ●
Damm Nicolas/Aiyangar Ameet/Gruber Karin	A New Method for validation of and individual forward dynamic model of the lumbar spine. 3rd International Workshop for Spine Loading and Deformation, Berlin, DE, 2019-07-04 to 07-06 ◆
Michel Silvain/Piskoty Gabor/Rössler Gerd/Stutz Alex/Koller Roland/Rütli Thomas/Wullschlegler Luc/	Schadenfallanalyse und Modifikation einer geschweissten Welle. SVMT – Fachgruppe Strukturintegrität, Kloten, 2019-04-05 ●
Niemz Peter/Baensch Franziska/Brunner Andreas J./Gaff Milan	Acoustic emission analysis and synchrotron-based microtomography on glued shear strength samples from spruce solid wood. 21st International Nondestructive Testing and Evaluation of Wood Symposium, Freiburg, DE, 2019-09-24 to 09-27 ●
Pardi-Comensoli Lucrezia	Recycling of carbon fibers reinforced composites; how fungi can help? Student Workshop organised by Empa St. Gallen, Freiburg, DE, 2019-03-07 ● ○
Pardi-Comensoli Lucrezia/Colpo Andrea/Palczewska Zuzanna/Heeb Markus/Brunner Andreas J./Barbezat Michel/Terrasi Giovanni	Investigating the microbial degradation of epoxy resin related material. 8th Congress of European Microbiologist (FEMS2019), Glasgow, GB, 2019-07-07 to 07-11 ◆
Terrasi Giovanni/Wyrzykowski Mateusz/Lura Pietro	Self-Prestressed Carbon-Reinforced High Performance Concrete Elements. SMAR 2019 – 5th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 ●
Toumpanaki Eleni/Lees Janet/Terrasi Giovanni	Effect of bond in the development length of CFRP pretensioned beams. IABSE Symposium 2019, Guimarães, PT, 2019-03-27 to 03-29 ●
Derome Dominique/Aytaç Kubilay/Jonas Allegrini/Andrea Ferrari/Jan Carmeliet	From Urban Climate to Building and Material Scale: a Multiscale Modelling Approach. Building Simulation, Rome, IT, 2019-09-02 to 09-04 ●
Ferrari Andrea/Aytaç Kubilay/Dominique Derome/Jan Carmeliet	The impact of reflective and permeable pavements on the urban microclimate. Building Simulation, Rome, IT, 2019-09-02 to 09-04 ●
Ferrari Andrea/Aytaç Kubilay/Jan Carmeliet	urbanMicroClimateFOAM: an extended conjugate heat and mass transfer solver for urban climate modeling. 1st Nottingham OpenFOAM workshop, Nottingham, GB, 2019-07-22 to 07-23 ● ○
Fischer Robert/Derome Dominique/Rossi René/Carmeliet Jan	Influence of yarn configuration on wicking processes studied by fast X-ray micro-tomography. Topical day imaging and image analysis IX, Dübendorf, Empa, 2019-04-15 ● ○
Fischer Robert/Boillat Pierre/Weidenbacher Lukas/Derome Dominique/Rossi René/Carmeliet Jan	Capillary number and fiber orientation dependent wicking pattern in electrospun membranes. Autex 2109 world textile conference, Ghent, BE, 2019-06-11 to 06-14 ●
Fischer Robert/Schlepütz Christian/Derome Dominique/Rossi René/Carmeliet Jan	Influence of yarn configuration on wicking processes studied by fast X-ray micro-tomography. InterPore2019, Valencia, ES, 2019-05-06 to 05-10 ●
Kubilay Aytaç	Technical session G2 – Urban climate modelling: microclimate. CISBAT 2019, Lausanne, 2019-09-04 to 09-06 ▲ ○
Kubilay Aytaç/Dominique Derome/Jan Carmeliet	Coupled numerical simulations of cooling potential due to evaporation in a street canyon and an urban public square. CISBAT 2019, Lausanne, 2019-09-04 to 09-06 ◆
Kubilay Aytaç/Dominique Derome/Jan Carmeliet	Coupled numerical simulations of mitigation measures for local heat island effect in an urban neighborhood. Building Simulation, Rome, IT, 2019-09-02 to 09-04 ●

<p>Qin Feifei/Ali Mazloomi Moqaddam/Luca Del Caro/Qinjun Kang/Thomas Brunschwiler/Dominique Derome/Jan Carmeliet Hybrid LBM simulation of non-isothermal drying of colloid suspension in micro-pore structures. INTERPORE 11th Annual Meeting, Valencia, ES, 2019-05-06 to 05-10 🍷</p>
<p>Zhang Chi/Dominique Derome/Jan Carmeliet Multiscale Modeling Of Crystalline Cellulose Microfibril Interface. 56th Annual Technical Meeting of the Society of Engineering Science (SES2019), Washington University, St. Louis, MO, US, 2019-10-13 to 10-15 🍷</p>
<p>Zhao Jianlin/Mazloomi Ali/Derome Dominique/Carmeliet Jan Pore-scale Two-phase Flow Simulation in Porous Media Coupling Pore Network Model and Lattice Boltzmann Method. InterPore 2019, Valencia, ES, 2019-05-06 to 05-10 🍷</p>
<p>Zhou Xiaohai/Jan Carmeliet/Dominique Derome Influence of internal thermal insulation on decay risk of wooden beam embedded in masonry wall. CIB World Congress, Hongkong, CN, 2019-06-17 to 06-21 🍷</p>
<p>Zhou Xiaohai/Jan Carmeliet/Dominique Derome Simulation of indoor temperature and humidity conditions in the suburban and urban area over a hot summer. CIS-BAT 2019, Lausanne, 2019-09-04 to 09-06 🍷</p>
<p>Breviglieri Matteo/Czaderski Christoph Thermal modeling for the prediction of the epoxy adhesive service temperature used in CFRP strengthening of RC bridges. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷</p>
<p>Czaderski Christoph/Moshiri Niloufar/Hosseini Ardalan/Mostofinejad Davood/Motavalli Masoud EBROG technique to enhance the bond performance of CFRP strips to concrete substrate. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷</p>
<p>Czaderski Christoph/Shahverdi Moslem/Ghafoori Elyas/Motavalli Masoud/Leinenbach Christian/Arabi-Hashemi Ariyan/Michels Julien/Scherer Josef The development of memory steel at Empa. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷</p>
<p>Ehrhart Thomas/Steiger René/Palma Pedro/Gehri E/Frangi Andrea Compression strength and buckling resistance of glued laminated timber columns made of European beech. INTER Meeting 6, Tacoma, US, 2019-08-26 to 08-29 🍷</p>
<p>Ehrhart Thomas/Steiger René/Lehmann Martin/Frangi Andrea European beech (<i>Fagus sylvatica</i> L.) glued laminated timber: Lamination strength grading, production and mechanical properties. ISCHP 2019 7th International Scientific Conference on Hardwood Processing, Delft, NL, 2019-08-27 to 08-30 🍷</p>
<p>Ehrhart Thomas/Steiger René/Frangi Andrea Festigkeitssortierung von Buchenbrettern für die Produktion von BSH. Hochleistungswerkstoffe im Holzbau /51. Fortbildungskurs S-WIN Swiss Wood Innovation Network, Weinfelden, 2019-10-22 to 10-23 🍷🕒</p>
<p>Ehrhart Thomas/Steiger René/Frangi Andrea Mechanische Eigenschaften von Trägern und Stützen aus Buchen BSH. Hochleistungswerkstoffe im Holzbau /51. Fortbildungskurs S-WIN Swiss Wood Innovation Network, Weinfelden, 2019-10-22 to 10-23 🍷🕒</p>
<p>Fritsch Emil/Izadi Mohammadreza/Ghafoori Elyas Nailed iron-based shape memory alloy (Fe-SMA) strips for strengthening of steel members. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷</p>
<p>Ghafoori Elyas/Yu QianQian/Haghani Reza/Hosseini Ardalan/Gu Xianglin/Motavalli Masoud/Zhao Xiaoling Adhesively Bonded CFRP Composites for Steel Strengthening: An overview. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷</p>
<p>Ghafoori Elyas/Hosseini Ardalan/Al-Mahaidi Riadh/Zhao Xiao-Ling/Motavalli Masoud/Koay Yew-Chin CFRP Strengthening and Long-Term Monitoring of an Old Metallic Roadway Bridge in Melbourne. IABSE Symposium 2019, Towards a Resilient Built Environment Risk and Asset Management, Guimaraes, PT, 2019-03-27 to 03-29 🍷</p>
<p>Ghafoori Elyas/Neuenschwander Martin/Shahverdi Moslem/Czaderski Christoph/Fontana Mario Fire Behavior of Prestressed Iron-Based Shape Memory Alloy (Fe-SMA). SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷</p>
<p>Good Tim/Hannema Gwenaël/Paradies Rolf/Shahverdi Moslem Towards Noise and Weight Reduction by Application of FRP wheelsets for Freight Cars. 19th INTERNATIONAL WHEELSET CONGRESS, Venice, IT, 2019-06-16 to 06-20 🍷</p>
<p>Heredia Rosa Diego Isidoro/Hartloper Alexander/Sousa Albano/Lignos Dimitrios./Motavalli Masoud/Ghafoori Elyas Behavior of iron-based shape memory alloys under cyclic loading histories. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷</p>
<p>Heydarinouri Hossein/Nussbaumer Alain/Maljaars Johan/Ghafoori Elyas Proposed Criterion for Fatigue Strengthening of Riveted Bridge Girders. Fatigue Design 2019 Conference, Senlis, FR, 2019-11-20 to 11-21 🍷</p>

Izadi Mohammadreza/Ghafoori Elyas/Motavalli Masoud

Smart SMA-based system for fatigue strengthening of cracked metallic bridge connections. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷

Izadi Mohammadreza/Ghafoori Elyas/Hosseini Ardalan/Michels Julien/Motavalli Masoud

Strengthening of steel beams using iron-based shape memory alloy (Fe-SMA) strips. IABSE Symposium 2019, Towards a Resilient Built Environment Risk and Asset Management, Guimaraes, PT, 2019-03-27 to 03-29 🍷

Mohajer Mana/Boacciarelli Missimiliano/Colombi Pierluigi/Hosseini Ardalan/Ghafoori Elyas/Nussbaumer Alain

Computational investigation of mode-I fatigue crack propagation in CFRP strengthened steel plates through an irreversible cohesive zone model. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷

Moshiri Niloufar/Czaderski Christoph/Mostofinejad Davood/Motavalli Masoud

Bond strength of prestressed CFRP strips to concrete substrate: comparative evaluation of EBR and EBROG methods. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷

Motavalli Masoud

Development and application of shape memory alloys for Civil Engineering Structures. University of Nevada (UNR), Reno. EERI, Earthquake Engineering Research Institute, Department of Civil and Environmental Engineering, Reno /Nevada, US, 2019-04-09 🍷🕒

Motavalli Masoud/Rosemarie Helmerich/Alper Ilki

SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷

Palma Pedro/Steiger René/Jockwer Robert

Addressing design for robustness in the 2nd generation EN 1995-Eurocode. 5. INTER Meeting 6, Tacoma, US, 2019-08-26 to 08-29 🍷

Palma Pedro/Wydler Jonas/Steiger René

Simplified mechanical models for timber connections in fire. CompWood 2019, Boras, SE, 2019-06-17 to 06-19 🍷

Rüdisüli Martin/Teske Sinan/Elber Urs

Auswirkungen einer Elektrifizierung von Wärme und Mobilität auf das Schweizer Energiesystem. Marktmittler Event, Flawil, 2019-06-19 🍷

Rüdisüli Martin/Teske Sinan/Elber Urs

Auswirkungen einer Elektrifizierung von Wärme und Mobilität auf das Schweizer Energiesystem. Rotary Club, Bad Zurzach, 2019-08-26 🍷

Rüdisüli Martin/Teske Sinan/Elber Urs

Auswirkungen einer weitgehenden Substitution von fossilen Energieträgern durch strombasierte Technologien auf das Schweizer Energiesystem. Stromtagung 2019, Zürich, 2019-10-29 🍷

Rüdisüli Martin/Teske Sinan/Elber Urs

Impacts of an Increased Substitution of Fossil Energy Carriers with Electricity-Based Technologies on the Swiss Electricity System. GreenBuzz, Zürich, 2019-10-29 🍷

Schranz Bernhard/Shahverdi Moslem/Czaderski Christoph

Bond behaviour of ribbed near-surface mounted iron-based shape memory alloy bars: Experimental investigation. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷

Schranz Bernhard/Czaderski Christoph/Shahverdi Moslem/Michels Julien/Vogel Thomas/Motavalli Masoud

Ribbed iron-based shape memory alloy bars for pre-stressed strengthening applications. IABSE Symposium 2019, Towards a Resilient Built Environment Risk and Asset Management, Guimaraes, PT, 2019-03-27 to 03-29 🍷

Schranz Bernhard/Michels Julien/Shahverdi Moslem/Czaderski Christoph

Strengthening of concrete structures with iron-based shape memory alloy elements: Case studies. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷

Shahverdi Moslem/Czaderski Christoph

Long-term behavior of reinforced concrete beams strengthened by iron-based shape memory alloy strips. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 🍷

Shahverdi Moslem/Czaderski Christoph/Michels Julien

"memory steel" for Shear Reinforcement of Concrete Structures. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 07-29 🍷

Steiger René

Forschungsprojekt Brettschichtholz aus Buche:

- Motivation zum Projekt, Projektziele, Projektteam
- Ergebnisse. Hochleistungswerkstoffe im Holzbau /51. Fortbildungskurs S-WIN Swiss Wood Innovation Network, Weinfelden, 2019-10-22 to 10-23 🍷🕒

Steiger René

Umnutzung und Erhaltung von Tragwerken, Tagungsband: 7-16. Workshop "Zustandserfassung und Verstärkung von Brettschichtholz", Biel, 2019-06-05 to 06-06 🍷

Structural Engineering

Teske Sinan/Rüdisüli Martin

Spatio-Temporal Analysis of Power-to-Gas Potentials in Switzerland. Stromtagung 2019, Zürich, 2019-10-29 ◆

Yang Yajiao/Breveglieri Matteo/Shahverdi Moslem

Axial stiffness of an Fe-SMA during activation process. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 ●

Yang Yajiao/Arabi-Hashemi Ariyan/Leinenbach Christian/Shahverdi Moslem

Improvement of FeMnSi based shape memory alloys yield stress by heat treatment. SMAR 2019, 5th Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Potsdam, DE, 2019-08-27 to 08-29 ●

Urban Energy Systems

Allan James/Gil Georges/Philipp Heer/Dylan Budimann/Luca Croce

Characterization of heat-pump, PV and battery demonstrator technologies using a coherent energy demonstrator assessment. CISBAT, Lausanne, 2019-09-04 to 09-06 ◆

Allan James/Max Boegli/Andrew Bollinger/Pierre-Jean Alet/Matthias Wiget

Speed-Optimized Simulation Models for Rapid Performance. Evaluation of Heating and Energy Management Systems. Building Simulation, Rome, IT, 2019-09-02 to 09-04 ◆

Baldini Luca

Natronlauge als Energiespeicher. Forschung für die nächste Generation, Forum Energie Zuerich, 2019-02-05 ● ○

Baldini Luca

Seasonal Thermal Energy Storage – Building Application Using a Liquid Sorption Process. Partnership Council Energy on "Seasonal Energy Storage", ESC, ETH Zurich, 2019-02-27 ● ○

Baldini Luca

Saisonale Wärmespeicher in der Forschung und Chancen für das Energiesystem von morgen. Building Excellence – Open House, Innovation Park Central Switzerland, 2019-04-30 ● ○

Baldini Luca

Seasonal thermal energy storage – A key element for the energy transition. BÜHLER – OYW Caucus Event, Buehler Uzwil, 2019-05-04 ● ○

Baldini Luca

Thermische Langzeitspeicher – Eine Technologie und Systembetrachtung. Energie und Dekarbonisierung – Zwischen Forschung und Praxis, Empa Duebendorf, 2019-07-03 ● ○

Baldini Luca

Zukünftige Speicherlösungen. Saisonale Wärmespeicherung in der Schweiz: Quo vadis?, ETH Zurich, 2019-11-11 ● ○

Baldini Luca/Fumey Benjamin/Weber Robert

Thermochemical Storage for Building Application: Tasks and Challenges. 8th SCCER HaE Storage Symposium, Empa Duebendorf, 2019-11-05 ● ○

Bollinger Andrew

Strategische Energiestudie für ein innerstädtisches Industrie- und Gewerbeareal. Fachstellen-Studien über Mittag, Zürich, 2019-06-06 ● ○

Bollinger Andrew

Design und Optimierung von Multi-Energiesystemen. Swisspower Praxisforum Zielnetzplanung, Zurich, 2019-08-28 ● ○

Bollinger Andrew

Design und Optimierung dezentraler Energiesysteme – von der Forschung zur Praxis. Tage der Technik, Dübendorf, 2019-09-24 ● ○

Bollinger Andrew

Optimization-based planning of local energy systems – Bridging the research-practice gap. SCCER FEEB&D/EIP Annual conference, Zurich, 2019-09-27 ● ○

Bollinger Andrew

Wie Multi-Energie-Systeme die Energiezukunft ins Quartier bringen. DSV Forum 2019, Olten, 2019-11-08 ● ○

Bollinger Andrew /Julien Marquant/Matthias Sulzer

Optimization-based planning of local energy systems – Bridging the research-practice gap. SBE DACH 2019, Graz, AT, 2019-09-11 to 09-13 ●

Bollinger Andrew /Reto Kuhn

Energiesystemoptimierung im ZEV. Swisspower Praxisforum Prosumer, Zurich, 2019-11-14 ● ○

Bünning Felix /Philipp Heer/Roy S. Smith/John Lygeros

Sensitivity analysis of data-driven building energy demand forecasts. CISBAT, Lausanne, 2019-09-04 to 09-06 ◆

Fumey Benjamin

Application specific temperatures Building/Bulk scale reactor/Deliverables Subtask Component design for innovative TES materials. IEA SHC Task 58/ECES Annex 33 5th Expert Meeting, Ottawa, CA, 2019-05-01 to 05-04 ●

Fumey Benjamin

Einblick in die Entwicklung von Wärmespeicher mit flüssigen Sorbentien. Fachforum Thermische Energiespeicher, Rheinhotel „Vier Jahreszeiten“, Meerbusch, DE, 2019-06-24 to 06-25 ● ○

Fumey Benjamin/Weber Robert/Baldini Luca

Liquid sorption heat storage spiral finned heat and mass exchanger, steps towards increased rate of absorption. 12th International Renewable Energy Storage Conference IRES, Duesseldorf, DE, 2019-03-13 to 03-15 ●

Khosravi Mohammad /Nicolas Schmid/Annika Eichler/Philipp Heer/Roy S. Smith

Machine learning-based modeling and controller tuning of a heat pump. CISBAT, Lausanne, 2019-09-04 to 09-06 ◆

Murray Portia /Niffeler, M., Mavromatidis, G., Orehounig, K.

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Orehounig Kristina/Reto Largo/Björn Niessen

Urban energy systems in Switzerland. Korea-European Conference on Science and Technology, Vienna, AT, 2019-07-16 to 07-19 ●○

Perera Dasun/Coccolo Silvia/Monna Sameh/Scartezzini Jean-Louis/Mauree Dasaraden

The impact of urban texture on energy system design process. CISBAT, Lausanne, 2019-09-04 to 09-06 ●

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Auswirkungen einer weitgehenden Elektrifizierung von Wärme und Mobilität auf das Schweizer Energiesystem. European Power Network (EPN) Tagung, Olten, 2019-11-21 ●○

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Solar fitness and wellness" – A unique design for sustainable wellness technologies. Cisbat 2019 – Climate Resilient Cities – Energy Efficiency & Renewables in the Digital Era, EPFL Lausanne, 2019-09-04 to 09-06 ◆

Materials Meet Life**Benetti Edmondo**

Biomimetic graft-copolymers for restoring the lubrication properties of damaged cartilage. American Chemical Society National Meeting, Orlando, US, 2019-03-31 to 04-04 ●○

Benetti Edmondo

Graft copolymers and bottlebrushes at surfaces for tuning physicochemical and tribological properties of materials. American Chemical Society National Meeting, Orlando, US, 2019-03-31 to 04-04 ●○

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Poly(2-oxazoline)s on surfaces: Chemical and topological design, properties and applications. American Chemical Society National Meeting, Orlando, US, 2019-03-31 to 04-04 ●○

Benetti Edmondo

Advanced Polymers via Macromolecular Engineering APME 2019, Stellenbosch, ZA, 2019-04-15 to 04-18 ▲○

Benetti Edmondo

Chemical and topological evolution of polymer biointerfaces. Frontiers in Polymer Science, Budapest, HU, 2019-05-04 to 05-08 ●○

Benetti Edmondo

Chemical and topological evolution of polymer biointerfaces. Frontiers in Polymer Science, Budapest, HU, 2019-05-04 to 05-08 ▲○

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<p>Benetti Edmondo Graft copolymers and bottlebrushes at surfaces for tuning physicochemical and tribological properties of materials. STLE Tribology Frontiers Conference, Chicago, US, 2019-10-20 to 10-23 ● ○</p>
<p>Benetti Edmondo Mechanisms and applications of oxygen tolerant surface-initiated atom transfer radical polymerizations: translating the synthesis of polymer brushes into technology? 16th Pacofoc Polymer Conference, Singapore, SG, 2019-12-08 to 12-12 ● ○</p>
<p>Benetti Edmondo Maria Topological evolution of polymer brushes for designing advanced materials. Advanced Polymers via Macromolecular Engineering APME 2019, Stellenbosch, ZA, 2019-04-15 to 04-18 ● ○</p>
<p>Fei Pan/Straub H./Bigger CM./Valentin J./Abt D./Qin X-H./Eberl L./Maniura-Weber K./Ren Q. Is bacteria adhesion on polydimethylsiloxane surface regulated by tentacle-like interface or bacterial mechanosensing? Swiss Nano Convention 2019, Lausanne, 2019-06-06 to 06-07 ◆</p>
<p>Fei Pan/Straub H./Bigger CM./Valentin J./Abt D./Qin X-H./Eberl L./Maniura-Weber K./Ren Q. Mechanism of bacteria interaction with soft polydimethylsiloxane surface: Tentacle-like interface. eCM XIX 2019 Conference, Davos, 2019-06-26 to 06-28 ◆</p>
<p>Gontsarik Mark/Yaghmur. A./Zabara M./Ren Q./Maniura-Weber K./Salentinig S. pH-Switchable Nanocarriers for Targeted Delivery of Antimicrobial Peptides. ECIS 2019, Leuven, BE, 2019-09-08 to 09-13 ●</p>
<p>Guex Géraldine/Müller A./Fessele C./Fortunato G./Rossi RM./Maniura-Weber K./Ren Q./Rottmar M. Biodegradable, cytocompatible, antibacterial: Electrospun wound dressings of Ga-PPIX-functionalised P4HB. SSB+RM annual meeting 2019, MuttENZ, 2019-05-22 to 05-24 ●</p>
<p>Maniura Katharina Designing the 3D cellular environment by the use of light. Nanoengineering for Mechanobiology, Camgli, Genova, IT, 2019-03-24 to 03-27 ● ○</p>
<p>Maniura Katharina Nanocellulose based bio-hybrid materials for biomedical applications. ICMAT 2019 10th International Conference on Materials for Advanced Technologies, Singapore, SG, 2019-06-23 to 06-28 ● ○</p>
<p>Maniura Katharina Soft biointerfaces. Materials Colloquium, Zürich, 2019-09-04 ● ○</p>
<p>Maniura Katharina Was Biointerfaces für den Erfolg von Implantaten leisten können. Swiss Medtech Insight Workshop, Balzers, 2019-10-31 ● ○</p>
<p>Maniura Katharina/n.a. In vitro studies for antibacterial concepts in the field of bone implant materials. Bone innovation summit, Lübeck, DE, 2019-02-13 to 02-14 ● ○</p>
<p>Maniura Katharina/n.a. Bioinspired functionalization of soft materials: materials and strategies. Workshop: Interdisciplinary Perspectives in Biomateriomics, Reichenau, DE, 2019-02-18 to 02-21 ● ○</p>
<p>Maniura Katharina/n.a. Women in science – why so few? ICMAT 2019 10th International Conference on Materials for Advanced Technologies, Singapore, SG, 2019-06-23 to 06-28 ● ○</p>
<p>Müller Eike/Fernandez M./DiazAbad S./Ren Q./Heuberger M./Maniura-Weber K./Rottmar M. Fabrication of porous P4HB scaffolds for wound healing applications. 6th International Symposium Interface Biology of Implants, Warnemünde, DE, 2019-05-07 to 05-10 ◆</p>
<p>Ren Qun/Gut B./Hauser-Gerspach I./Kardas P./Stübinger S./Astanov-Frauenhoffer M./Waltimo T. Beneficial biofilms as smart bioactive interfaces to maintain a balanced oral microbial community. Eurobiofilms conference 2019, Glasgow, GB, 2019-09-03 to 09-06 ◆</p>
<p>Romio Matteo/Benetti Edmondo M./Trachsel Lucca/Wenqing Yan/Faggion Albers Rebecca Polymer Interfaces with Controlled Dispersities. 16th Pacofoc Polymer Conference, Singapore, SG, 2019-12-08 to 12-12 ●</p>
<p>Rottmar Markus/Müller Eike/Albrecht Katrin/Thust Anja/Guimond-Lischer Stefanie/Wagner Raphael/Stephan Marc/Berner Simon/Bernard André/Maniura-Weber Katharina An advanced in vitro approach to uncouple biological response and biomechanical fixation during osseointegration of dental implants. FEBS ALC on Biological Surfaces and Interfaces, St. Feliu de Guixols, ES, 2019-06-30 to 07-05 ◆</p>
<p>Rottmar Markus/Müller Eike/Albrecht Katrin/Thust Anja/Guimond-Lischer Stefanie/Wagner Raphael/Stephan Marc/Berner Simon/Bernard André/Maniura-Weber Katharina/ Uncoupling biological response and biomechanical fixation during osseointegration of dental implants by an advanced in vitro approach. 6th International Symposium Interface Biology of Implants, Rostock, DE, 2019-05-08 to 05-10 ◆</p>
<p>Salentinig Stefan Food-digestion inspired adaptive antimicrobial nanomaterials. ICMAT 2019, Singapore, SG, 2019-06-23 to 09-29 ● ○</p>
<p>Salentinig Stefan Nature-inspired adaptive antimicrobial nanomaterials. Nanyang Technological University, Singapore, SG, 2019-06-28 ● ○</p>

Sentürk Berna/Maniura-Weber Katharina/Rottmar Markus

Peptide functionalized collagen hydrogel for burn wound treatment. SupraBio Meeting 2019, Barcelona, ES, 2019-05-15 to 05-17 ◆

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Bacterial adhesion and early biofilm formation on soft surfaces: towards a better understanding of bacteria mechanosensing abilities and physico-chemical interactions at play. Eurobiofilms 2019, Glasgow, GB, 2019-09-03 to 09-06 ◆

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Identification of genes involved in pseudomonas aeruginosa biofilm resistance to antibiotics. Eurobiofilms conference 2019, Glasgow, GB, 2019-09-03 to 09-06 ◆

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pH triggered MS2 bacteriophage interactions – a SAXS study. HERCULES European School, Grenoble, FR, 2019-04-18 to 04-19 ◆

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Tailoring virus interaction for advanced drinking water filtration. Nature-inspired engineering, Cetraro, IT, 2019-09-08 to 09-13 ●

Zabara Mahsa

SAXS-guided design of nature-inspired adaptive nanomaterials for health applications. SAXS excites – International Symposium 2019, Graz, AT, 2019-09-24 to 09-25 ●○

Annaheim Simon

Überwachung von Körpersignalen – Anforderungen an smarte Textilien. Armasuisse Symposium, Bern, 2019-03-13 ●○

Annaheim Simon

THE HEAT-SHIELD PROJECT: Einfluss des Klimas am Arbeitsplatz und Erhöhung der thermischen Belastbarkeit am Arbeitsplatz. Erfahrungsaustausch 'Klima am Arbeitsplatz', St. Augustin, DE, 2019-09-10 ●○

Annaheim Simon/MacRae Braid/Psikuta Agnes/Rossi René/Spengler Christina

Inter-Sensor Agreement and Reliability of Contact Skin Temperature Sensors during Rest and Exercise. 18. International Conference of Environmental Ergonomics, Amsterdam, NL, 2019-07-08 to 07-12 ●

Boesel Luciano

Self Care Materials: Fibers for sensing and delivery. AG Technische Textilien mit Schwerpunkt „Neue Fasern/Neue Garne“, Reutlingen, DE, 2019-02-07 ●○

Boesel Luciano

Pflaster mit Lichtschalter – Perspektiven für die transdermale Therapie. 23. Jahrestagung der Gesellschaft für Dermopharmazie, Düsseldorf, DE, 2019-03-25 to 03-27 ●○

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Smart Textiles as Materials for Continuous Health Monitoring. 4th International Conference on: Nanofibers, Applications and Related Technologies (NART), Liberec, CZ, 2019-09-18 to 09-20 ●○

Boesel Luciano/Bruns Nico/Rossi René

Light-responsive polymer systems for transdermal drug delivery. Euromat, Stockholm, SE, 2019-09-01 to 09-05 ●

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Ellipsoid-Shaped Superparamagnetic Nanoclusters through Emulsion Electrospinning. 4th International Conference on: Nanofibers, Applications and Related Technologies (NART), Liberec, CZ, 2019-09-18 to 09-20 ◆

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Controlling biocatalysis by transiently switchable polymersome nanoreactors. ACS Spring Meeting, Orlando, US, 2019-03-31 to 04-04 ●

Eggenberger Patrick/Annaheim Simon/Adcock Manuela/Kündig Kerstin A./Rossi René M./de Bruin Eling D.

Heart Rate Variability of Older Adults is Related to Cognitive, Gait, and Physical Performance and can be Improved by Exergame Training. Jahrestagung Sportwissenschaftliche Gesellschaft der Schweiz, Fribourg, 2019-02-14 ●

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Adaptations of Heart Rate Variability to Cognitive-Motor Training and Associations with Cognitive, Physical, and Gait Performance in Older Adults. MobEx Meeting (Mobility and Exercise in Aging), Trondheim, NO, 2019-01-18 to 01-19 ●

Fojtlin Milos/Psikuta Agnes/Fišer Jan/Jícha Miroslav

Modelling of conditioned automotive seats. 18th International conference on Environmental Ergonomics 2019, Amsterdam, NL, 2019-07-07 to 07-12 ●

Fortunato Giuseppino/Morel Alexandre/Guex Anne Géraldine/Rottmar Markus/Maniura Katharina/Rossi René Michel

Understanding and Tailoring Structural and Mechanical Properties of Electrospun Fibers and Membranes. NART, NANOFIBERS, APPLICATIONS AND RELATED TECHNOLOGIES, Liberec, CZ, 2019-09-18 to 09-20 ●○

Giovannini Giorgia/Giorgia Giovannini/Luciano Boesel/Claudio Toncelli/Bastien Schyrr/Fabien Sorin/René Rossi

WoundSense: Monitoring Wound healing Process. TechApero, EPFL, Lausanne, 2019-11-05 ◆

HUANG CHIEH-SZU

2019 Empa PhD Symposium, Empa SG, St Gallen, 2019-11-28 ■

HUANG CHIEH-SZU/Chieh-Szu Huang/Sebastian Ulrich/Rene M. Rossi/Sergii Yakunin/Maksym Kovalenko/Luciano F. Boesel

Nanocomposite assisted FRET for luminescent solar concentrators. Swiss NanoConvention 2019, EPFL, Lausanne, 2019-06-06 to 06-07 ◆

Joshi Ankit/Psikuta Agnes/Bueno Marie-Ange/Annaheim Simon/Rossi René

Realistic clothing model for heat and moisture transport through human skin-clothing-environment system. 18th International Conference on Environmental Ergonomics 2019, Amsterdam, NL, 2019-07-07 to 07-12 ●

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CLO3D fashion design software – a perspective for virtual thermal modelling of garments. 10th 3DBODY.TECH 2019 Conference and Exhibition, Lugano, 2019-10-22 to 10-23 ●

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New generation of thermal manikin with integrated surface heat flux sensor and active cooling system. 18th International Conference on Environmental Ergonomics 2019, Amsterdam, NL, 2019-07-07 to 07-12 ●

Psikuta Agnes

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Rossi Rene

Big data and me: from wearables to disappearables. Digital Health: The future is now, St.Gallen, 2019-11-14 ●○

Rossi Rene

Zukunftstechnologien und Trends im Bereich smarterer Textilien. Zukunftsperspektiven für die Textilindustrie, Nürnberg, DE, 2019-11-21 ●○

Rossi Rene/Simon Annaheim/Luciano F. Boesel

Challenges in the development of textile-based sensors for long-term body monitoring. Fiber Society's 2019 Fall Conference, Austin, US, 2019-10-28 to 10-30 ●○

Rossi Rene/Morel A./Domaschke S./Ferguson S. J./Mazza E./Ehret A. E./Fortunato G.

Influence of Structural Features on Nanofiber Mechanical Properties. The Fiber Society 2019 Spring Conference, Hong Kong, CN, 2019-05-21 to 05-23 ●○

Dolabella Simone/Frison Ruggero/Chahine Gilbert/Richter Carsten/Schulli Tobias/Zuhail Tasdemir/B. Erdem Alaca/Yusuf Leblebici/Neels Antonia

SI-NEMS: Distribution Maps of lattice Strain and Tilt of a suspended Monolithic Silicon Nanowire by HRXRD. CMI 2019, EPFL, 2019-05-07 ◆

Collings Ines/Rudra Sekhar Manna/Alexander A. Tsirlin/Maxim Bykov/Elena Bykova/Michael Hanfland/Philipp Gegenwart/Sander van Smaalen/Leonid Dubrovinsky/Natalia Dubrovinskaia

Structure–magnetic property correlations in metal–formate frameworks at high pressure. ECM32, Vienna, AT, 2019-08-18 to 08-23 ◆

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NEMS for sensing applications: analysis of free-standing monolithic silicon nanowires systems. SwissNanoConvention, EPFL Lausanne, 2019-06-06 to 06-07 ●

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Real and Q space traveling: multi-dimensional distribution maps of strain (e044) and crystal lattice tilt of suspended monolithic silicon nanowire structures. ECM32, Vienna, AT, 2019-08-18 to 08-23 ●

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Short-range structure of PdCuNiP20 bulk metallic glasses. Short-range structure of PdCuNiP20 bulk metallic glasses, Vienna, AT, 2019-08-18 to 08-23 ◆

<p>Iranpour Neda/Sadeghpour Amin/Toncelli C./Wick Peter/Dommann Alex/Neels Antonia Explore early stage of nanoparticles agglomeration in flow by small angle X-ray scattering. 1st Empa Internal User Meeting for Small Angle X-ray Scattering, St. Gallen, 2019-03-07 ●</p>
<p>Iranpour Neda/Sadeghpour Amin/Toncelli C./Wick Peter/Neels Antonia Explore early stage of nanoparticles agglomeration in flow by small angle X-ray scattering. ECM32, Vienna, AT, 2019-08-18 to 08-23 ◆</p>
<p>Iranpour Neda/Sadeghpour Amin/Toncelli C./Wick Peter/Neels Antonia Explore early stage of nanoparticles agglomeration in flow by small angle X-ray scattering. Summer school biomedical imaging, Zurich, 2019-09-02 to 09-13 ◆</p>
<p>Iranpour Neda/Sadeghpour Amin/Toncelli C./Wick Peter/Neels Antonia In Situ Small Angle X-ray Scattering Measurements for Dynamic Process: Nanoparticle Agglomeration. SAXSExcites2019, Graz, AT, 2019-09-24 to 09-25 ◆</p>
<p>Lüthi Thomas/Flich Alexander/Kolokytha Selina/Groshev Slavtcho Erzeugung von realitätsnahen Durchstrahlungsbildern für die Sicherheitskontrollen in der Luftfahrt. DACH, Friedrichshafen, DE, 2019-05-27 to 05-29 ● ○</p>
<p>Lüthi Thomas DACH, Friedrichshafen, DE, 2019-05-27 to 05-29 ▲</p>
<p>Maurya Anjani/L. Weidenbacher,F. Spano/G. Fortunato/R. Rossi/M. Frenz/A. Sadeghpour/A. Neels Multiscale Structural decoding of electrospun nanofibers: from processing to possibilities for steering functionality. ECM32, Vienna, AT, 2019-08-18 to 08-23 ◆</p>
<p>Maurya K. Anjani/L. Weidenbacher,F. Spano, G. Fortunato, R. Rossi, M. Frenz, A. Dommann, A. Sadeghpour, A. Neels Multiscale Structural decoding of electrospun nanofibers: from processing to possibilities for steering functionality. ECM-32 Vienna, Vienna, AT, 2019-08-18 to 08-23 ◆</p>
<p>Neels Antonia ECM32, Vienna, AT, 2019-08-18 to 08-23 ▲</p>
<p>Nyuyen Tien/Maurya Anjani/Zboray Robbert/Dommann Alex/Neels Antonia/Sadeghpour Amin/Rossi René Small Angle X-ray Scattering for Designing and Characterization of Electrospun Lipid/Poly(ethylene oxide) Blended Nanofibers. 1st Empa Internal User Meeting for Small Angle X-ray Scattering, St. Gallen, 2019-03-07 ● ○</p>
<p>Sadeghpour Amin/Riccardo Innocenti Malini/Ruggero Frison/René M. Rossi/Antonia Neels/Amin Sadeghpour Understanding the Templating Effects of Lipid Membranes on Biominerals Formation by Scattering and Diffraction Methods. SGK 2019, Sion, 2019-06-05 ◆ ○</p>
<p>Sadeghpour Amin/Tien Nguyen/Maurya Anjani/Fortunato G./Dommann Alex/Rossi Rene/Neels Antonia Hierarchical design of lipid-polymer composite nanofibers: the interplay of multiscale structures and biofunctions. ECM32, Vienna, AT, 2019-08-18 to 08-23 ▲</p>
<p>Sadeghpour Amin/Tien Nguyen/Maurya Anjani/Fortunato G./Dommann Alex/Rossi Rene/Neels Antonia Structure and Dynamics in the Newly Designed Polymer Nanofibers with Embedded Lipid Mesophases. SAXSExcites2019, Graz, AT, 2019-09-24 to 09-25 ●</p>
<p>Shakoorioskooie Mahdieh/Sina Abdolhosseinzadeh/Mohammad Izadi/Konrad Jakubowski/Ezgi Bülbül/Kerda Keevend Empa's 2018th Phd symposium- Science in the service of society. Empa's 2018th Phd symposium- Science in the service of society, Dübendorf, 2019-11-26 ■</p>
<p>Shakoorioskooie Mahdieh/Leemann Andreas/Griffa Michele/Zboray Robert/Lura Pietro Characterization of ASR in concrete by X-ray tomography. International Conference on Tomography of Materials and Structures, ICTMS2019, Cairns, AU, 2019-07-22 to 07-26 ●</p>
<p>Shakoorioskooie Mahdieh/Leemann Andreas/Griffa Michele/Zboray Robert/Lura Pietro Characterization of ASR in concrete by X-ray tomography. International Conference on Tomography of Materials and Structures, ICTMS2019, Cairns, AU, 2019-07-22 to 07-26 ◆</p>
<p>Shakoorioskooie Mahdieh/Leemann Andreas/Borchers Ingmar/Griffa Michele/Müller Dominik Christoph/Lura Pietro Microstructural Analysis of ASR in Concrete – Accelerated Testing versus natural Exposure. International Conference on Sustainable Materials, Systems and Structures (SMSS 2019) Durability, monitoring and repair of structures, Rovinj, HR, 2019-03-20 to 03-22 ●</p>
<p>Chacko Aarati/Crockett Rowena/Thorwarth Kerstin/Hug Hans J. HiPIMS Metallization of Polymers: Surface Chemistry. ECASIA, Dresden, DE, 2019-09-15 to 09-20 ◆</p>
<p>Chacko Aarati/Thorwarth Kerstin/Gauter Sven/Crockett Rowena/Hug Hans J. Metallization of Polymers for Medical Applications using HiPIMS. ICMCTF, San Diego, US, 2019-05-19 to 05-24 ●</p>
<p>Hug Hans J. Magnetism & Magnetic Thin Films. CCMX Winterschool, Kandersteg, 2019-01-28 to 02-01 ● ○</p>
<p>Hug Hans J. Sputtering & Hard Coatings. CCMX Winterschool, Kandersteg, 2019-01-28 to 01-01 ● ○</p>

Hug Hans J.

Coatings Competence Center: Enhanced Properties from Nanoscale Effects ?in Thin Films. 2019 CCMX – NCCR MARVEL Materials Science Day, Bern, 2019-10-08 ● ○

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Observation of nanoscale skyrmions in SrRuO₃-SrIrO₃ bilayers. Solskymag, San Sebastian, ES, 2019-06-24 to 06-28 ●

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Skyrmion formation in a SrRuO₃-SrIrO₃ epitaxial bilayer. InterMag 2019, Washington, US, 2019-01-13 to 01-18 ●

Mandru Andrada-Oana/Yildirim Oguz/Marioni Miguel/Rohrmann Hartmut/Heigl Michael/Ciubotariu Oana/Penedo Marcos/Zhao Xue/Albrecht Manfred/Hug Hans

Artifacts in rare earth-transition metal thin-film alloys induced by sample mounting during sputter depositions. JEMS 2019, Uppsala, SE, 2019-08-26 to 08-30 ◆

Mandru Andrada-Oana/Yildirim Oguz/Penedo Marcos/Zhao Xue/Marioni Miguel/Hug Hans

Issues with Background Subtraction in Magnetometry Measurements of High Coercivity Samples. 2019 Joint MMM-InterMag Conference, Washington, DC, US, 2019-01-14 to 01-18 ◆

Mandru Andrada-Oana/Vogler Christoph/Zhao Xue/Marioni Miguel/Suess Dieter/Hug Hans

Magnetization reversal of strongly exchange-coupled double layers of Co/Pt and TbFe. JEMS 2019, Uppsala, SE, 2019-08-26 to 08-30 ◆

Yildirim Oguz/Marioni Miguel/Falub Claudiu/Jaeger Dominik/Rohrmann Hartmut/Hug Hans-Joseph

Tuning perpendicular magnetic anisotropy in Co/Pt multilayers: crystalline texture vs. interface quality. MMM-InterMag 2019, Washington, DC, US, 2019-01-14 to 01-18 ◆

Yildirim Oguz/Marioni Miguel/Falub Claudiu/Jaeger/Rechsteiner Marco/Dominik/Rohrmann Hartmut/Hug Hans-Joseph

Tuning perpendicular magnetic anisotropy in Co/Pt multilayers: crystalline texture vs. interface quality. Joint European Magnetism Symposia 2019, Uppsala, SE, 2019-08-26 to 08-30 ◆

Buerki-Thurnherr Tina

Controlling nanoparticle-placenta interactions: Mechanistic insights through advanced in vitro and ex vivo human models. Comprehensive Pneumology Center, Helmholtz Zentrum, internal seminar, Helmholtz Zentrum, DE, 2019-02-21 ● ○

Buerki-Thurnherr Tina

Translocation and metabolism of the xenoestrogen zearalenone at the human placental barrier ex vivo. 12th Ex vivo Perfusion Workshop, Nijmegen, NL, 2019-06-25 ●

Buerki-Thurnherr Tina/Chortarea, S./Manser, P./Fortino, V./Saarimäki, L., Wick, P./Greco, D.

Gene expression profiling of an ex vivo human placenta perfusion model following exposure to engineered nanomaterials. EuroTox 2019, Helsinki, FI, 2019-09-08 to 09-11 ●

Buerki-Thurnherr Tina

Role of the placenta in direct and indirect fetotoxicity of nanomaterials. Swiss NanoConvention 2019, EPFL Lausanne, 2019-06-06 to 06-07 ● ○

Gerken Lukas/Kerda Keevend/Anna Lena Neuer/Inge K Herrmann

Design and Development of Inorganic Nanoparticles for Radioenhancement Therapy. AIChE Annual Meeting, Orlando, US, 2019-11-10 to 11-15 ●

Gerken Lukas/Anna Lena Neuer/Inge K Herrmann

Rationalized Design and Development of Nanoparticle-based Radio-enhancers. Cancer Nanotechnology (GRS), Mount Snow, US, 2019-07-22 to 07-23 ◆

Gerken Lukas/Anna Lena Neuer/Inge K Herrmann

Rationalized Design and Development of Nanoparticle-based Radio-enhancers. Cancer Nanotechnology, Mount Snow, US, 2019-07-23 to 07-28 ◆

Gogos Alexander/Ralf Kaegi (presenter)/Jonas Wielinski/Andreas Voegelin

Distinguishing between anthropogenic and natural CeO₂ inputs into wastewater systems. Swiss Geoscience Meeting 2019, Fribourg, 2019-11-22 to 11-23 ●

Hempt Claudia

Future of nano safety assessment on an advanced in vitro intestinal model. Welcome to Nanoscale materials, Dübendorf, 2019-09-12 ● ○

Hempt Claudia

Implementation of a mucus containing advanced in vitro model of the human intestinal barrier for a more predictive safety evaluation of food grade nanomaterials. Swiss Society of Toxicology Annual Meeting, Basel, 2019-11-28 to 11-29 ●

Hempt Claudia/Cordula Hirsch/Peter Wick and Tina Buerki-Thurnherr

Implementation of a mucus containing advanced in vitro model of the human intestinal barrier for a more predictive safety evaluation of food grade nanomaterials. Swiss Society of Toxicology Annual Meeting, Basel, 2019-11-28 to 11-29 ◆

Hempt Claudia/Cordula Hirsch/Peter Wick and Tina Buerki-Thurnherr

Implementation of a mucus containing advanced in vitro model of the human intestinal barrier for a more predictive evaluation of food grade nanostructured materials. Eurotox 2019, Helsinki, FI, 2019-09-08 to 09-11 ◆

Hempt Claudia/Jean Pierre Kaiser/Alexandra Rippel/Heinrich Hofman/Peter Wick/Tina Buerki-Thurnherr/Cordula Hirsch,	The impact of synthetic amorphous silica (E 551) on an advanced in vitro model of the human intestinal barrier. Swiss Food Science Meeting, Neuchatel, 2019-06-26 to 06-27 ◆
Herrmann Inge	Engineering Metal Oxide Nanoparticles for Healthcare. ZHAW Winterthur, Winterthur, 2019-08-15 ●○
Herrmann Inge	Bottom Up Design Approach to Functional Materials. Swiss Med Tech Day, Luzern, 2019-09-10 to 09-11 ●○
Herrmann Inge	A non-linear academic career. Insight Academia AIChE, ETH Zurich, 2019-10-29 ●○
Herrmann Inge	Surgical Adhesives. Invited Seminar KSSG, St.Gallen, 2019-11-10 ●○
Herrmann Inge	Magnetic Blood Purification for Pathogen and Tumor Cell Removal. AIChE, Orlando, FL, US, 2019-11-10 to 11-15 ●
Herrmann Inge	Magnetic Blood Purification for Pathogen and Tumor Cell Removal. AIChE, Orlando, FL, US, 2019-11-10 to 11-15 ●
Herrmann Inge	Magnetic Blood Purification: from Concept to Clinics. Schweizerischer Nephrologie Kongress, Interlaken, 2019-12-05 to 12-06 ●○
Hirsch Cordula	Understanding Nanosafety – the importance of assay performance in vitro. Welcome to the nano-scale, Dübendorf, 2019-09-12 to 09-13 ●○
Keevend Kerda/Stiefel, M., Gerken, L., Matter, M.T., Herrmann, I.K.	are Earth Element Doped Nanocrystals for Correlative Cathodoluminescence Electron Microscopy Bioimaging (CCLEM). 2019 AIChE Annual Meeting, Orlando, FL, US, 2019-11-10 to 11-15 ●
Keevend Kerda/Stiefel, M., Krummenacher, R., Truska, E., Herrmann, I.K.	Novel Multicolour Immuno-Labels for Correlative Cathodoluminescence Electron Microscopy. 2019 AIChE Annual Meeting, Orlando, FL, US, 2019-11-10 to 11-15 ●
Korejwo Daria/Chortarea Savvina/Woranan Netkueakul/Jing Wang/Barbara Rothen-Rutishauser/Bürki-Thurnherr Tina/Wick Peter	Interaction of graphene related materials with cells of the human alveolar tissue barrier. AMI group seminar, Fribourg, 2019-09-16 ●
Korejwo Daria/Chortarea Savvina /Netkueakul Woranan /Wang Jing /Rothen-Rutishauser Barbara /Buerki- Thurnherr Tina /Wick Peter	Interaction of graphene related materials with cells of the human alveolar tissue barrier. PHD Symposium Empa, St.Gallen, 2019-11-28 ●
Korejwo Daria/Woranan Netkueakul/Savvina Chortarea/Jing Wang/Barbara Rothen-Rutishauser/Tina Buerki-Thurnherr/Peter Wick	Interaction of graphene related materials with different lung cells in vitro. 14th Swiss Aerosol Group (SAG) meeting, Bern, 2019-11-06 ●
Korejwo Daria/Chortarea Savvina/Woranan Netkueakul/Jing Wang/Barbara Rothen-Rutishauser/Bürki-Thurnherr Tina/Wick Peter	Interaction of graphene related materials with cells of the human alveolar tissue barrier. Keystone Symposium: Delivering Therapeutics Across Biological Barriers, Dublin, IE, 2019-05-06 to 05-10 ●
Matter Tino/Jian-Hao Li/loana Lese/Inge K. Herrmann	Multiscale Analysis of Topically Applied Nanoparticulate Adhesives: Biodistribution and Biotransformation. AIChE Annual Meeting 2019, Orlando, FL, US, 2019-11-10 to 11-15 ●
Matter Tino/Lea Furer/Fabian H. L. Starsich/Giuseppino Fortunato/Sotiris E. Pratsinis/Inge K. Herrmann	Tailoring the Bioactivity of Flame-Made Nanoparticles for Surgical Applications. AIChE Annual Meeting 2019, Orlando, FL, US, 2019-11-10 to 11-15 ●
Milosevic Ana/Wick, Peter	The national contactpointnano.ch. Swiss Nano Convention, LAusanne, 2019-06-06 to 06-07 ●
Milosevic Ana/Wick, Peter	The national contactpointnano.ch. OpenTox Euro2019, Basel, 2019-10-29 to 10-31 ●
Netkuleakul Woranan/Korejwo, D./Hammer, T./Chortarea, S./Rupper, P./Buerki-Thurnherr, T./Wick, P./Wang, J.	Release of graphene-related materials (GRMs) from epoxy-based composites: characterization, quantification and in vitro toxicity assessment on human macrophages. Swiss Aerosol Group meeting 2019, Bern, 2019-11-06 ●
Netkuleakul Woranan/Korejwo, D./Hammer, T./Chortarea, S./Rupper, P./Buerki-Thurnherr, T./Wick, P./Wang, J.	Characterization of aerosol released from abrasion of epoxy/graphene-related material (GRM) composites and in vitro toxicity assessment of abraded particles on human macrophages. European Aerosol Conference 2019, Gothenburg, SE, 2019-08-25 to 08-30 ●

Netkuleakul Woranan/Hammer, T./Setyan, A./Wang, J. Characterization of aerosol released from the combustion of nanoparticle-containing materials. 23rd ETH Conference on Combustion Generated Nanoparticles, Zurich, 2019-06-17 to 06-20 ◆
Neuer Anna Lena/Lukas Gerken/Kerda Keevend/Alexander Gogos and Inge K. Herrmann Uptake, Distribution and Radio-Enhancement of Au and HfO ₂ Nanoparticles in Tumor Microtissues. Empa PhD Students' Symposium 2019, St.Gallen, 2019-11-28 ●
Neuer Anna Lena/Lukas Gerken/Kerda Keevend and Inge K. Herrmann Cancer Microtissues for Rationalized Nanoparticle Based Radiotherapy. American Institute of Chemical Engineers (AIChE) Annual Meeting 2019, Orlando, FL, US, 2019-11-10 to 11-15 ●
Romeo Daina/Salieri, B./Hischier R./Nowack B./Wick P. A potential integrated pathway for an early in vitro-based hazard assessment of nanoparticles. NanoSafety Cluster Week, Copenhagen, DK, 2019-10-07 to 10-10 ●
Wick Peter Influencing factors on nanomedicines efficacy and safety: an iron-carbohydrate complex perspective. EUFEPS Annual Meeting, Frankfurt, DE, 2019-03-06 to 03-08 ● ○
Wick Peter The national contactpointnano.ch. Safe handling of nanomaterials, regulation and knowledge transfer. Materialtreff von Swissmaterials 2019 zum Thema nano-safety, Neuhausen, 2019-03-11 ●
Wick Peter The different faces of graphene related materials. Disentangling the structure – activity relationship of graphene related materials. 131st Conference Scientific Federation, Carbon nanotubes and Graphene Technologies, Milano, IT, 2019-03-28 to 03-29 ● ○
Wick Peter Willkommen in der Nanowelt: Wie die Nanotechnologie unseren Alltag verändert. Nanosafety im Kantonalen Labor ZH, Zürich, 2019-05-07 ● ○
Wick Peter The national contactpointnano.ch. Safe handling of nanomaterials, regulation and knowledge transfer. Contactpoint nano Genf, Geneva, 2019-05-17 ●
Wick Peter What can we learn from human in vitro systems for a responsible use of nanomaterials? Visit Radek Zobril, St.Gallen, 2019-10-29 ● ○
Wick Peter Sicherheit von Nanopartikel – Neues aus der Forschung. ECO SWISS Event, ERFA Tagung 'Betrieblicher Umweltschutz', Dübendorf, 2019-10-31 ● ○
Wick Peter Disentangle the structure – activity relationship of GRM: a health perspective. Graphene Workshop, San Diego, US, 2019-11-07 ● ○
Braun Oliver/Schmuck Oliver/Beretta Davide/Matton Valentin/Perrin Mickael/Jianhui Liao/Calame Michel Devices for exploring thermoelectricity at the nanoscale. QuET – Projectmeeting, Durham, GB, 2019-07-09 to 07-10 ◆
Braun Oliver/Matton Valentin/Schmuck Oliver/Perrin Mickael/Overbeck Jan/Zhang Jian/EIAbbassi Maria/Liao Jianhui/Calame Michel Devices for exploring thermoelectricity at the nanoscale. QuET – Projectmeeting, Dübendorf, 2019-02-07 to 02-08 ◆
Calame Michel Aiming for atomically precise molecular devices. Molecular-Scale Thermoelectricity (MoST-M3) Workshop, Cambridge, GB, 2019-09-03 to 09-05 ● ○
Calame Michel Chaining & piling up molecules between Au and graphene contacts. International Conference on Materials for Advanced Technologies (ICMAT), 10th ICMAT, Marina Bay Sands, SG, 2019-06-23 to 06-28 ● ○
Calame Michel/M. El Abbassi/S. Sangtarash/X. Liu/M. Perrin/H. Sadeghi/H.S.J. Van Der Zant/S. Yitzchaik/S.-X. Liu/S. Decurtins/C. Lambert Charge Transport in Graphene-based Multi-molecules Junctions. APS March Meeting 2019, Boston, US, 2019-03-04 to 03-08 ●
Calame Michel Experimenting with molecular compounds in nanoelectronic systems. Swiss Nanoconvention, Lausanne, 2019-06-06 to 06-07 ● ○
Calame Michel Nanoelectronics & Molecular Devices. Industrial showcase – Molecular-Scale Thermoelectricity (MoST-M3) Workshop, Cambridge, GB, 2019-09-03 to 09-05 ● ○
Calame Michel Experimenting with molecular compounds in nanoelectronic devices. IEEE Nanotechnology Materials & Devices Conference, Stockholm, SE, 2019-10-27 to 10-30 ● ○

<p>Cao Jingming/Rüggeberg Markus/Zolliker Peter Towards Detection of Helical Orientated Cellulose Structures in Wood Using THz Time-Domain Spectroscopy. 44th International Conference on Infrared, Millimeter and Terahertz Waves IRMMW-THz 2019, Paris, FR, 2019-09-01 to 09-06 ●</p>
<p>Csontos Miklos/Pósa László/El Abbassi Maria/Makk Peter/Sánta Botond/Nef Cornelia/Calame Michel/Halbritter András Multiple Physical Time Scales and Dead Time Rule in Few-Nanometers Sized Graphene-SiO_x-Graphene Memristors. Memrisys2019, Dresden, DE, 2019-07-08 to 07-11 ●</p>
<p>Grossmann Günter Einfluss der Miniaturisierung auf Zuverlässigkeit und Lötstellenstruktur. Europäisches Elektronik Kolleg, Mallorca, ES, 2019-03-27 to 10-30 ● ○</p>
<p>Grossmann Günter Materialwanderung bei kleinen Geometrien. Jahrestagung ITG, Grainau, DE, 2019-05-28 ● ○</p>
<p>Grossmann Günter International Conference of Electrical Contacts ICEC2020, Rorschach, 2020-06-15 to 2020-06-18 ■</p>
<p>Grotevent Matthias/Hail Claudio/Yakunin Sergii/Dirin Dmitry/Thodkar Kishan/Borin Barin Gabriela/Guyot-Sionnest Philippe/Calame Michel/Poulikakos Dimos/Kovalenko Maksym/Shorubalko Ivan Nanoprinted Quantum Dot ? Graphene Photodetectors. World Chemistry Forum 2019, Barcelona, ES, 2019-05-22 to 05-24 ●</p>
<p>Grotevent Matthias/Hail Claudio/Yakunin Sergii/Dirin Dmitry/Thodkar Kishan/Borin Barin Gabriela/Guyot-Sionnest Philippe/Calame Michel/Poulikakos Dimos/Kovalenko Maksym/Shorubalko Ivan Nanoprinted Quantum Dot-Graphene Infrared Photodetectors. NaNaX9 – Nanoscience with Nanocrystals, Hamburg, DE, 2019-09-16 to 09-20 ◆</p>
<p>Hack Erwin Use of historical data in validation processes. 2nd Workshop of (almost) virtual testing, Airbus Filton , GB, 2019-01-17 ● ○</p>
<p>Hack Erwin/Harris Linden/Pandolfi Anna/Ben-Haim Yakov 4th International One-Day Workshop Validation of Computational Mechanics Models, Zürich, 2019-11-05 ■ ○</p>
<p>Hack Erwin/Dvurecenska Ksenija/Lampeas Georg/Patterson Eann/Siebert Thorsten/Szigeti Eszter Incorporating historical data in a validation process. 14th International Conference on Advances in Experimental Mechanics, Belfast, GB, 2019-09-10 to 09-12 ● ○</p>
<p>Hack Erwin/Dvurecenska Ksenija/Patterson Eann/Lampeas Georg/Siebert Thorsten/Szigeti Eszter Validation Procedure for Industrial Environments. MBL meets OPTIMESS 2019, Antwerp, BE, 2019-09-18 to 09-20 ● ○</p>
<p>Held Marcel Second-Life-Stromspeicher aus Zellen der Postroller. 2nd Life Tagung, ETH Zürich, 2019-09-12 ● ○</p>
<p>Jacob Peter New Approaches in ESD Risk Measurement of PCB Assembling Machines and ESD Countermeasures. IPFA International Symposium on the Physical Failure Analysis of Integrated Circuits, Hangzhou, CN, 2019-07-02 to 07-05 ●</p>
<p>Jacob Peter Grundlagen der Ausfallanalyse und Fehleranamnese auf Komponenten- und Systemebene. Leitfähig – Ableitfähig – Isolierend: Was zur Vermeidung harter Entladungen von Bedeutung ist. Neue Messmeth. ESD Forum Dresden, Dresden, DE, 2019-10-21 to 10-23 ● ○</p>
<p>Jacob Peter Early life failures in automotive electronics and their root causes, revised (2nd edition). Conductive – Dissipative – Isolating – Do the actual process limits in process equipment meet the re. ISTFA 2019 International Symposium For Testing And Failure Analysis, Portland/Oregon, US, 2019-11-10 to 11-14 ● ○</p>
<p>Jacob Peter/Furrer Roman Leitfähig – Ableitfähig – Isolierend – Müssen zur Vermeidung harter ESD-Entladungen die Normen korrigiert werden? Stressfaktoren für die Elektronik in der Luftfahrt – Besonderheiten und. ITG Fach-Tagung, Grainau, DE, 2019-05-28 to 05-29 ● ○</p>
<p>Jacob Peter/Nicoletti Giovanni Power Device Burned Completely – And Now, How to Find the Root Cause, Outstanding Paper Award ISTFA 2018. Stress factors in aircraft electronics: superimpositions, case studies and failure precaut. ESREF 2019 European Symposium on Reliability of Electron Devices Failure Physics and Analysis, Toulouse, FR, 2019-09-23 to 09-26 ● ○</p>
<p>Jian Zhang/Mickael L. Perrin/Jan Overbeck/Rolf Brönnimann/Jung Seoho/Haluska Miroslav/Hierold Christofer and Michel Calame High-Speed Automatic Raman Imaging of Suspended Carbon nanotubes with Supervised Machine Learning. Swiss NanoConvention 2019, EPFL, 2019-06-06 to 06-07 ◆</p>
<p>Jian Zhang None. 6th Thermal Probe Workshop, Zurich, 2019-03-13 to 03-14 ◆</p>
<p>Jimenez Nadia Alejandra/Marta Pedro/Javier Martin-Martinez/Mireia B. Gonzalez/Rosana Rodriguez/Montse Nafria/Francesca Campabadal Influence of the initial conductance in the synaptic plasticity of TiN/Ti/HfO₂/W structures. Memrisys 2019, Dresden , DE, 2019-07-08 to 07-11 ◆</p>

- Lüder Lars/Gubicza Agnes/Stiefel Michael/Wipf Mathias/Sadeghpour Amin/Neels Antonia/Nirmalraj Peter/Toncelli Claudio/Rossi René/Calame Michel**
Synthesis of conductive metal-organic architectures for biochemical sensing. EuroMOF 2019, Paris, FR, 2019-10-27 to 10-31 ◆
- Nirmalraj Peter**
S3IC, Munich, DE, 2019-04-02 to 04-05 ■
- Nirmalraj Peter**
Atomic and Molecular Imaging in Liquids. EU-FOE Stockholm. Frontiers of Engineering., stockholm, SE, 2019-11-17 to 11-21 ●○
- Overbeck Jan/Borin-Barin Gabriela/Daniels Colin/Perrin Mickael/Braun Oliver/Ruffieux Pascal/Fasel Roman/Calame Michel**
Characterization of Atomically Precise Graphene Nanoribbons by Raman Spectroscopy. APS March Meeting 2019 Boston, Boston, MA, US, 2019-03-04 to 03-08 ●
- Perrin Mickael/Cabosart Damien/el Abbassi Maria/Stefani Davide/Calame Michel/van der Zant Herre**
A reference-free clustering method for the analysis of molecular break-junction measurements. Single-molecule sensors and nanosystems international conference, Munich, DE, 2019-04-03 to 04-05 ●
- Perrin Mickael**
Clustering methods for data analysis in molecular junctions. International Conference on Materials for Advanced Technologies (ICMAT), Singapore, SG, 2019-06-24 to 06-28 ●
- Shorubalko Ivan/Grotevent Matthias J./Hail Claudio U./Yakunin Sergii/Dirin Dmitry N./Thodkar Kishan/Borin Barin Gabriela/Guyot-Sionnest Philippe/Calame Michel/Poulikakos Dimos/Kovalenko Maksym V./**
Nanoprinted Quantum Dot/Graphene Photodetectors. ANM 2019 – Advanced Nano Materials Conference, University of Aveiro, Aveiro, PT, 2019-07-17 to 07-19 ●
- Shorubalko Ivan**
Nanostructuring of Graphene Membranes with Focused Ion Beams: Towards 2D Metamaterials. META 2019, the 10th International Conference on Metamaterials, Photonic Crystals and Plasmonics, Instituto Superior Técnico, Lisbon, PT, 2019-07-23 to 07-26 ●
- Synhaivska Olena/Mermoud Yves/Alshanski Israel/Yitzchaik Shlomo/Wipf Mathias/Calame Michel**
Copper ion detection realized with Si-nanowire based ISFET sensor. Swiss NanoConvention 2019, Lausanne, 2019-06-06 to 06-07 ◆
- Synhaivska Olena/Mermoud Yves/Baghernejad Masoud/Alshanski Israel/Hurevich Mattan/Yitzchaik Shlomo/Wipf Mathias/Calame Michel**
Differentiating complexation with GGH peptide and non-specific adsorption of copper ions on gold with Si-nanoribbon ISFET biosensors. IEEE NMDC 2019, 14th IEEE Nanotechnology Materials and Devices Conference, Stockholm, SE, 2019-10-27 to 10-30 ●
- Valzania Lorenzo/Zolliker Peter/Hack Erwin**
Coherent terahertz imaging of a textile and a hidden object. OSA Digital Holography and Three-Dimensional Imaging Meeting, Bordeaux, FR, 2019-05-19 to 05-23 ●
- Zhang Jian/Mickael L. Perrin/Jan Overbeck/Rolf Brönnimann/Jung Seoho/Haluska Miroslav/Hierold Christofer and Michel Calame**
High-Speed Automatic Raman Imaging of Suspended Carbon nanotubes with Supervised Machine Learning. Graphene 2019, Rome, IT, 2019-06-25 to 06-28 ◆

Mobility, Energy and Environment

- Bergamini Andrea**
Metamaterials: Imitating Nature and Beyond. DANISH CENTER FOR APPLIED MATHEMATICS AND MECHANICS Seminar, Lyngby, DTU, Technical University of Denmark, DK, 2019-11-14 ●○
- Bergamini Andrea**
Metamaterials: Imitating Nature and Beyond. SAM- Symposium on Acoustic Metamaterials, Ischia, IT, 2019-10-09 to 10-11 ●○
- Brink Mark/Wunderli Jean Marc**
SiRENE-Survey Part 1: Exposure-effect relationships for transportation noise annoyance in Switzerland. International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 ●○
- De Vos Paul H./Andringa Tjeerd/Hagen Mark M./Pieren Reto**
A soundscape approach to assess and predict passenger satisfaction. International Workshop on Railway Noise (IWRN13), Ghent, BE, 2019-09-16 to 09-20 ●○
- Eggenschwiler Kurt/Hohmann Beat/Thoms Mike/Gianola Corinne**
Ist Ruhe und Erholung messbar? Frühjahrstagung 2019 der Schweizerischen Gesellschaft für Akustik SGA-SSA, Bern, 2019-05-10 ■
- Eggenschwiler Kurt/Hohmann Beat/Kuhn-Rahloff Clemens/Gianola Corinne**
Lärm am Arbeitsplatz. Herbsttagung 2019 der Schweizerischen Gesellschaft für Akustik SGA-SSA, Kaiseraugst, 2019-11-21 to 11-22 ■

Good Tim/Hannema Gwenael/Paradies Rolf/Shahverdi Moslem

Towards Noise and Weight Reduction by Application of FRP wheelsets for Freight Cars. 19th INTERNATIONAL WHEELSET CONGRESS, Venice, IT, 2019-06-16 to 11-20 🍷

Haubrich Julia/Brink Mark/Guski Rainer/Isermann Ullrich/Schäffer Beat/Schmid Rainer/Schreckenberger Dirk/Wunderli Jean Marc

Leq + X: Re-Assessment of exposure-response relationships for aircraft noise annoyance and disturbances to improve explained variance. International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 🍷 ○

Lercher Peter/Pieren Reto/Wunderli Jean Marc

Noise and hypertension: testing alternative acoustic indicators. Proceedings of the International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 🍷 ○

Matar Louie/Huber Sebastian/Van Damme Bart

Dispersion and Localisation in Quasi-periodic Phononic Crystal Beams. ICONSOM, Rome, IT, 2019-06-16 to 06-19 🍷 ○

Merino-Martinez Roberto/Pieren Reto/Snellen Mirjam/Simons Dick G.

Assessment of the sound quality of wind turbine noise reduction measures. International Congress on Sound and Vibration (ICSV), Montréal, CA, 2019-07-07 to 07-11 🍷

Miniaci Marco

Topological Protection in Elastic Waveguides. Summer School on "Wave Propagation in Complex and Microstructured Media", Cargèse, Corsica, FR, 2019-08-20 to 08-30 🍷 ○

Miniaci Marco

2nd Edition of Workshop on Acoustic Metamaterials (YRAM – Young Researchers in Acoustic Metamaterials), Ischia, IT, 2019-10-09 to 10-11 ■

Pelizzari Eduardo/Taghipour Armin

Limits of mixing Background sounds to foreground sound samples in psychoacoustic laboratory experiments on noise annoyance. 23rd Int. Cong. Acoust. (ICA), Aachen, DE, 2019-09-09 to 10-13 🍷

Pieren Reto/Bertsch Lothar/Lauper Demian/Schäffer Beat

Future low-noise aircraft technologies and procedures – Perception-based evaluation using auralised flyovers. International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 🍷 ○

Poulikakos Lily/Athari Sahand/Mikhailenko Peter/Piao Zhengyin/Kakar Muhammad Rafiq Khan/Bueno Moises/Pieren Reto/Heutschi Kurt

Use of waste and marginal materials for silent roads. International Congress on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 🍷 ○

Saucy Appoline/Schäffer Beat/Tangermann Louise/Vienneau Danielle/Wunderli Jean Marc/Röösl Martin

Aircraft noise exposure assessment for a case-crossover study in Switzerland. Proceedings of Internoise 2019. The 48th International congress and exhibition on noise control engineering, Madrid, DE, 2019-06-16 to 06-19 🍷

Schäffer Beat/Brink Mark/Schlatter Felix/Vienneau Danielle/Wunderli Jean Marc

Einfluss von "Grün" auf die Lärmbelastigung. SGA Frühjahrstagung, Bern, 2019-05-10 🍷 ○

Schäffer Beat/Pieren Reto/Wissen Hayek Ulrike/Biver Nadine/Grêt-Regamey Adrienne

How do audio and visual characteristics of wind turbines contribute to noise annoyance? International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 🍷 ○

Schmied Jascha/Bergamini Andrea

Integration of piezostacks as frequency dependent stiffness elements in load bearing structures. 9th ECCOMAS Thematic Conference on Smart Structures and Materials, Paris, FR, 2019-07-08 to 07-11 ▲

Schoenwald Stefan/Kumer Niko/Wiederin Sebastian/Bleicher Norbert/Furrer Bernhard

Application of elastic interlayers at junctions in massive timber buildings. International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 🍷 ○

Schoenwald Stefan

Flankenübertragung an Holzbetonverbund-Decken – Eingangsdaten für ein Designtool. Forum Holzbau, 10. HolzbauSpezial Bauphysik & Gebäudetechnik, Bad Wörishofen, DE, 2019-03-12 to 03-13 🍷 ○

Schoenwald Stefan/Homb Anders

Structured Session "Low frequency sound and vibration in buildings". International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 ▲

Schoenwald Stefan/John Davy

Structured Session "Sound Insulation Measurement and Prediction". Internoise 2019, Madrid, ES, 2019-06-16 to 06-19 ■

Schoenwald Stefan/Mayr Andreas

Structured Session "Structure-borne sources in buildings". International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 ■

Schwab Olivier

Aircraft noise: Conversion of an existing to a desired number of subtracks with identical lateral dispersion to obtain smooth noise contours. International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 🍷

Taghipour Armin

Effects of sound absorbing facade materials on acoustic comfort in inner yards. RFA NAREP + Energy – Colloquium (Empa), Dübendorf, 2019-09-02 🍷 ○

Taghipour Armin/Sievers Tessa/Eggenschwiler Kurt Acoustic comfort in presence of sounds from virtual inner yards. Urban Sound Symposium, Ghent, BE, 2019-04-03 to 04-05 ◆
Taghipour Armin/Pieren Reto/Schäffer Beat Relative duration of quiet periods between events influences noise annoyance: a laboratory experiment with helicopter noise samples. 23rd Int. Cong. Acoust. (ICA), Aachen, DE, 2019-09-09 to 10-13 ●○
Taghipour Armin/Sievers Tessa/Eggenschwiler Kurt Room acoustic parameters as indicators of short-term acoustic comfort in inner yards. 26th Int. Cong. Sound Vib. (ICSV), Montreal, CA, 2019-07-07 to 10-11 ●
Tallarico Domenico Dynamic anisotropy and localization in relaxed micromorphic continua. EMI Lyon 2019, Lyon, FR, 2019-07-03 to 07-05 ●
Tallarico Domenico/Gweanel Hannema/Andrea Bergamini/Marco Miniaci/Armin Zemp/Bart Van Damme Superelement modelling of elastic metastructures. SAM 2019: Symposium on Acoustic Metamaterials, Ischia, IT, 2019-10-09 to 10-11 ●
Van Damme Bart/Matar Louie Bending wave dispersion in one-dimensional phononic quasicrystals. Symposium on Acoustic Metamaterials, Ischia, IT, 2019-10-08 to 10-11 ●○
Van Damme Bart Dealing with nonlinearity: practical measurement and modeling strategies. Industrial days on new acoustic treatments, acoustic metamaterials and sonic crystals, Athens, GR, 2019-02-28 to 03-01 ●○
Van Damme Bart/Louis Evans/Gwenael Hannema/Benjamin Morin/Jan Attinger/Armin Zemp Railway Ballast Experimental Testing and Modelling for Structural Analysis. Recent Advances in Structural Dynamics, Lyon, FR, 2019-04-15 to 04-18 ●
Van Damme Bart/A. Zemp/S. Ahsani/L. Van Belle/C. Claeys/E. Deckers Sound Transmission Loss of a Phononic Crystal Panel. META19, Lisbon, PT, 2019-07-23 to 07-26 ●○
Wunderli Jean Marc Modelling reflections from single trees and entire forests. International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 ●○
Wunderli Jean Marc/Brink Mark SiRENE-Survey Part 2: Effects of Intermittent versus Continuous Noise on Annoyance Reactions. International Congresses on Acoustics 2019, Aachen, DE, 2019-09-09 to 09-13 ●○
Zellmann Christoph Aircraft noise calculations with sonAIR. Annual workshop of the Centre for Sustainable Aviation (CSA) at KTH, Stockholm, SE, 2019-10-10 ●○
Zellmann Christoph/Bertsch Lothar/Schwab Olivier/Wolters Florian/Delfs Jan Aircraft noise assessment of next-generation narrow-body aircraft. Internoise 2019, Madrid, ES, 2019-06-16 to 06-20 ●○
Zemp Armin Sinfonia ai funghi Klingen pilzbehandelte Violinen wie ein antikes Meisterinstrument? Kulturkalender, Luzern, 2019-05-09 ●○
Billeter Emanuel/Borgschulte Andreas Pressure-composition isotherms of PdHx by electron energy loss spectroscopy. 35th SAOG Meeting, Fribourg, 2019-01-31 ◆
Billeter Emanuel/Borgschulte Andreas Ethylene Hydrogenation by Pd-PdHx. Hydrogen Metal Systems Gordon Research Conference, Castelldefels, ES, 2019-06-30 to 07-05 ◆
Billeter Emanuel/Sterzi Andrea/Sambalova Olga/Borgschulte Andreas Electronic Structure of HxMoO3 and HxWO3. 18th European Conference on Application of Surface and Interface Analysis, Dresden, DE, 2019-09-15 to 09-20 ●
Billeter Emanuel/Sterzi Andrea/Sambalova Olga/Borgschulte Andreas Operando Soft X-Ray Photoemission Spectroscopy reveals chemochromic mechanism in HxWO3 bronzes. Extreme Rays Workshop, Rome, IT, 2019-11-06 to 11-07 ◆
Billeter Emanuel/Sterzi Andrea/Sambalova Olga/Borgschulte Andreas Electronic Structure of HxMoO3 and HxWO3. Empa PhD Day, St. Gallen, 2019-11-28 ●
Billeter Emanuel/Sterzi Andrea/Sambalova Olga/Borgschulte Andreas Electronic Structure of HxWO3 and HxMoO3. LightChEC Symposium, Zürich, 2019-11-29 ◆
Billeter Emanuel/Terreni Jasmin/Borgschulte Andreas Catalysis on Pd-PdHx: Small bulk changes – big surface effects. Hydrogen Metals Systems Gordon Research Seminar, Castelldefels, ES, 2019-06-29 to 06-30 ◆
Bleiner Davide Advanced Analytical Technologies Enabled by Soft X-ray Plasma-Lasing. Institute Seminar at the Plasma Physics Institute of the University of York, UK, York, GB, 2019-01-23 to 01-24 ●○
Bleiner Davide Depth Profiling Analysis at Nano-Scale using a Tabletop X-ray-Laser. SAOG Tagung, Fribourg, 2019-01-31 ●○

Bleiner Davide

Laser Ablation 3D Chemical Mapping with X-ray Lasers;. Winter Conference Plasma Spectrochemistry, Pau, FR, 2019-02-05 to 02-08 ● ○

Bleiner Davide

Instrumental Chemical Analysis at the Empa;. MNF Assembly, Zurich, 2019-03-04 ● ○

Bleiner Davide

Actinic damage of Y/Mo multilayer Bragg optics in a table-top plasma-driven x-ray laser;. SPIE Optics & Photonics, Prag, CZ, 2019-04-01 to 04-04 ● ○

Bleiner Davide

Will Cars Ever Endanger Airplanes? Tabletop X-ray Lasers in a Nutshell. EuPRAXIA Consortium Meeting, Rome, IT, 2019-06-17 to 06-18 ● ○

Bleiner Davide

Microanalysis with Tabletop Soft X-ray Lasers. Tagung Festkörperanalytik, Vienna, AT, 2019-07-01 to 07-03 ● ○

Bleiner Davide

Microanalysis with Tabletop Plasma-Based Extreme Ultraviolet. SPIE Conference, S. Diego, CA, US, 2019-08-11 to 08-16 ●

Bleiner Davide

Pulse-front tilt for short-wavelength lasing by means of traveling-wave plasma-excitation;. SPIE Conference, S. Diego, CA, US, 2019-08-11 to 08-16 ● ○

Bleiner Davide

Nano-Ablation Chemical Analysis using a Tabletop Extreme Ultraviolet Plasma-Laser;. Conference on Laser Ablation (COLA), Maui, HI, US, 2019-09-08 to 09-13 ● ○

Bleiner Davide

Advanced Analytical Technologies Boosted by Soft X-ray Plasma-Lasing;. Seminar at Paul Scherrer Institut, PSI, Villingen, 2019-10-21 ● ○

Bleiner Davide

Quasi Non-Destructive 3D Chemical Visualization with X-ray Laser Mass Spectrometry;. Swiss Group Mass Spectrometry (Annual Meeting), Beatenberg, BE, 2019-10-24 ● ○

Borgschulte Andreas/Terreni Jasmin/Sambalova Olga/Trtik Pavel

Hydrogen on Cu/ZnO catalysts. SCS Fall Meeting 2019, Zürich, 2019-09-06 ◆

Borgschulte Andreas/Patterson Bruce D./Mo Frode/Hillestad Magne/Joos Fortunat/Kristiansen Trygve/Sunde Svein/van Bokhoven Jeroen A.

Renewable CO2 recycling and synthetic fuel production in a marine environment. LightChEC Symposium 2019, Zürich, 2019-11-29 ◆

Borgschulte Andreas/Terreni Jasmin/Billeter Emanuel/Sambalova Olga/Liu Xiaochun/Sterzi Andrea/Kaestner Anders/Trtik Pavel

Hydrogen on and in Catalysts. Gordon Research Conference Hydrogen-Metal Systems, Castelldefels, ES, 2019-06-30 to 07-05 ◆

Borgschulte Andreas/Terreni Jasmin/Billeter Emanuel/Ramirez-Cuesta Anibal/Daemen Luke/Pandey Anup

Repulsive interaction diminishes H-uptake and catalysis. 13th Int. Symposium Hydrogen & Energy, Seoul, KRF, 2019-01-20 to 01-25 ●

Borgschulte Andreas

What is the fuel of tomorrow? Komatsu Technology IAB 2019, Amsterdam, NL, 2019-09-30 to 10-01 ● ○

Driesen Charlotte

AgroPOP – Den generationsübergreifenden Transfer von persistent organischen Schadstoffen in Rindern besser verstehen und mindern. Swissbeef Mittelland Visit, Agroscope Posieux, 2019-06-14 ● ○

Driesen Charlotte/Lerch Sylvain/Bogdal Christian/Siegenthaler Raphael/Wyss Ueli/Hess Hans Dieter/Scheringer Martin/Nowack Bernd/Zennegg Markus

AgroPOP – Toward a Better Understanding and Mitigation of Transgenerational Transfer of Polychlorinated Biphenyls in Cattle. Modelling of POPs, Agroscope Posieux, 2019-04-10 ● ○

Driesen Charlotte/Zennegg Markus/Morel Isabelle/Hess Hans Dieter/Lerch Sylvain

The transfer of PCBs from feed to adipose tissue depends on body fatness in growing cattle. Pre- Dioxin 2019 Student Symposium, Kyoto, JP, 2019-08-24 ●

Driesen Charlotte/Zennegg Markus/Morel Isabelle/Hess Hans Dieter/Lerch Sylvain

Transfer of PCBs from feed to adipose tissue depends on body fatness in growing cattle. SCS Fall Meeting 2019, Zürich, 2019-09-06 ◆

Driesen Charlotte/Lerch Sylvain/Bogdal Christian/Siegenthaler Raphael/Wyss Ueli/Hess Hans Dieter/Scheringer Martin/Nowack Bernd/Zennegg Markus

The AgroPOP Project: Toward a Better Understanding and Mitigation of Transgenerational Transfer of Polychlorinated Biphenyls in Cattle. CHanalysis2019, Beatenberg, 2019-04-11 to 04-12 ●

Driesen Charlotte/Zennegg Markus/Morel Isabelle/Hess Hans Dieter/Lerch Sylvain

The transfer rate of PCBs from feed to adipose tissue depends on body fatness in growing cattle. 39th International Symposium on Halogenated Persistent Organic Pollutants, Kyoto , JP, 2019-08-25 to 08-30 ●

<p>Figli Renato/Schreiner Claudia/Keist Jasmin Neue Analysemethoden zur Bestimmung von Zinn-Blei-Loten in Elektronikgeräten sowie Batterien. BAFU-ROHS-Commission-Meeting, Berne, 2019-02-06 🍷 ○</p>
<p>Figli Renato/Schreiner Claudia RoHS-III Kampagne 2018. Neue Methode zur Untersuchung von Lotstellen in elektronischen Geräten. Koordinationsplattformtagung (KPT) vom 05.09.2019, Bern, 2019-09-05 🍷 ○</p>
<p>Heeb Norbert "Diesel gate" Wie weiter: Haben Verbrennungsmotoren eine Zukunft? BD Forum 2019, St. Gallen, Hall of the cantonal council, 2019-03-11 🍷 ○</p>
<p>Heeb Norbert The genotoxic potential of MPI engines in comparison to other combustion engines. 10th VERT Forum, Dübendorf, 2019-03-14 🍷 ○</p>
<p>Heeb Norbert 20 years VERT filter tests – 20 years of excellent team work of BFH and Empa. BFH Jubilee Workshop: Reduction of emissions and energy consumption of IC engines – actual challenges and developments, Biel, 2019-06-13 🍷 ○</p>
<p>Heeb Norbert The chemistry of nanoparticle adsorbates from diesel and gasoline combustion engines. 23rd ETH Conference on Combustion Generated Nanoparticles, Zürich, 2019-06-17 to 06-20 🍷 ○</p>
<p>Hemani Yousuf Table-top Plasma Laser for Advanced X-ray Spectroscopy. Empa PhD Gathering, EMPA NEST, Du, 2019-06-19 🍷</p>
<p>Hemani Yousuf/Davide Bleiner Development of table-top X-ray Laser for Advance Spectroscopy. Extreme Rays 2019, Institute Svizzera Rome, IT, 2019-11-06 to 11-07 🍷</p>
<p>Hemani Yousuf/Davide Bleiner Development and Analytics of table-top X-ray Laser for Advance Spectroscopy. EMPA PHD Symposium 2019, Empa, St. Gallen, 2019-11-28 🍷</p>
<p>Hubeli Jasmin/Figli Renato/Schreiner Claudia/Zwahlen Nico Development of a new method for the determination of Hg, Pb and Cd in different battery types. Koordinationsplattformtagung (KPT) vom 05.09.2019, Bern, 2019-09-05 🍷 ○</p>
<p>Marco Knobloch Marco Knobloch/Lena Schinkel/Iris Schilling/Hans-Peter Kohler/Peter Liemann/Norbert Heeb/Davide Bleiner The fate of chlorinated paraffins in bacteria: What we feed is not what we get back. PhD Symposium Empa 2019, St. Gallen, 2019-11-28 🍷</p>
<p>Netkueakul Woranan/Korejwo, D./Hammer, T./Chortarea, S./Rupper, P./Buerki-Thurnherr, T./Wick, P./Wang, J. Release of graphene-related materials (GRMs) from epoxy-based composites: characterization, quantification and in vitro toxicity assessment on human macrophages. Swiss Aerosol Group meeting 2019, Bern, 2019-11-06 🍷</p>
<p>Netkueakul Woranan/Korejwo Daria/Hammer Tobias/Chortarea Savvina/Rupper Patrick/Buerki-Thurnherr Tina/Wick Peter/Wang Jing Characterization of aerosol released from abrasion of epoxy/graphene-related material (GRM) composites and in vitro toxicity assessment of abraded particles on human macrophages. European Aerosol conference 2019, Gothenburg, SE, 2019-08-25 to 08-30 🍷</p>
<p>Netkueakul Woranan/Hammer, T./Setyan, A./Wang, J. Characterization of aerosol released from the combustion of nanoparticle-containing materials. 23rd ETH Conference on Combustion Generated Nanoparticles, Zurich, 2019-06-17 to 06-20 🍷</p>
<p>Qu Di/Davide Bleiner XUV application in microanalysis. PhD Gathering, EMPA Dübendorf, 2019-10-16 🍷</p>
<p>Qu Di/Davide Bleiner XUV Application for Thin Film Analysis. PhD Symposium, St. Gallen, 2019-11-28 🍷</p>
<p>Sambalova Olga Magneto-optical Kerr effect set-up for electrochemistry. Empa PhD symposium, St Gallen, 2019-11-28 🍷</p>
<p>Sambalova Olga/Yildirim Oguz/Patzke Greta/Tilley David/Borgschulte Andreas Magneto-optical Kerr effect set-up for electrochemistry. LightChEC symposium, Zurich, 2019-11-29 🍷</p>
<p>Sambalova Olga/Yildirim Oguz/Patzke Greta/Tilley David/Borgschulte Andreas Magneto-optical Kerr effect set-up for in situ probing of oxygen evolution electrodes. SCS Meeting 2019, Zurich, 2019-09-06 🍷</p>
<p>Sambalova Olga Water splitting: the quest for developing operando surface-sensitive analytical techniques. UZH Graduate School Seminar, Zurich, 2019-03-11 🍷</p>
<p>Sambalova Olga/Billeter Emanuel/Mann Jennifer/Miyayama Takuya/Burnat Dariusz/Heel Andre/Borgschulte Andreas Hard and soft X-ray photoelectron spectroscopy for selective probing of surface and bulk chemical composition in a perovskite-type Ni catalyst. Extreme Rays, Rome, IT, 2019-11-06 to 11-07 🍷</p>

Sambalova Olga/Billeter Emanuel/Mann Jennifer/Takuya Miyayama/Burnat Dariusz/Heel Andre/Borgschulte Andreas

HAXPES-XPS combination reveals surface structure changes of La_{0.30}Sr_{0.55}Ti_{0.95}Ni_{0.05}O_{3-d}. ecasia conference 2019, Dresden, 2019-09-16 to 09-20 ●

Sambalova Olga/Billeter Emanuel/Mann Jennifer/Miyayama Takuya/Burnat Dariusz/Heel Andre/Borgschulte Andreas

HAXPES-XPS combination reveals surface structure changes of La_{0.30}Sr_{0.55}Ti_{0.95}Ni_{0.05}O_{3-x}. SCS CHanalysis conference, Beatenberg, 2019-04-11 to 04-12 ◆

Sambalova Olga

Magneto-optical Kerr effect set-up for operando probing of electrode surfaces. WE-Heraeus-Seminar. Operando Surface Science – Atomistic Insights into Electrified Solid/liquid Interfaces, Bonn, DE, 2019-12-09 to 12-13 ●

Schinkel Lena

Chlorinated paraffins – from a high production volume chemical to an analytical nightmare. RFA NAREP + Energy Colloquium, Dübendorf, 2019-06-03 ●○

Schinkel Lena/Cariou Ronan/Heeb Norbert

Labeled CP congeners: The need for representative internal standards. Cefic Euro Chlor – Chloro Alkane Analytics Workshop, Amsterdam, NL, 2019-02-26 ●○

Schinkel Lena/Amaral-Zettler Linda/Zettler Erik/Delandmeter Philippe/De Vogel Fons/Edson Ethan/Limburg Hans/Onink Victor/Heeb Norbert/Zennegg Markus

POPs in microplastics in the South Atlantic gyre and their environmental risks. IBP PhD Congress, Dübendorf, 2019-04-26 ◆

Schinkel Lena/Amaral-Zettler L./Zettler E./Delandmeter P./de Vogel F.A./Edson E./Limburg H./Onink V./Heeb N./Zennegg M.

POPs in microplastics in the South Atlantic gyre and their environmental risks. SCS Fall Meeting, Zürich, 2019-09-06 ◆

Schinkel Lena/Canonica Elia/Bogdal Christian/McNeill Kristopher/Heeb Norbert

The need for single carbon chain CP mixtures for accurate quantification. Cefic Euro Chlor – Chloro Alkane Analytics Workshop, Amsterdam, NL, 2019-02-26 ●○

Schinkel Lena/Canonica Elia/Bogdal Christian/McNeill Kristopher/Heeb Norbert

Quantification of chlorinated paraffins (CPs) in plastic products: Improved pattern deconvolution with single-chain CP mixtures. CHanalysis, Beatenberg, 2019-04-11 to 04-12 ◆

Schreiner Claudia/Figi Renato/Keist Jasmin

Neue Analysenmethoden zur Bestimmung von Zinn-Blei-Loten in Elektronikgeräten. BAFU-ROHS-Commission-Meeting, Bern, 2019-02-06 ●○

Schreiner Claudia/Figi Renato/Hubeli Jasmin/Kunz Albert

Novel Method for RoHS III Campaign 2018. Lead (Pb) and Cadmium (Cd) determination in small electronic devices. Koordinationsplattformtagung (KPT) vom 05.09.2019, Bern, 2019-09-05 ◆○

Sterzi Andrea/Schneider Urs/Sambalova Olga/Bleiner Davide/Borgschulte Andreas

Deep UV Raman spectroscopy for online water analysis. Swiss Chemical Society (SCS) Fall meeting, Zürich, 2019-09-30 ◆

Sterzi Andrea

How to realize a dream: run an experiment at big synchrotron facilities. LightCheck Discussion Meeting, Zürich (UZH), 2019-10-03 ●

Sterzi Andrea/Schneider Urs/Sambalova Olga/Bleiner Davide/Borgschulte Andreas

High sensitivity Deep UV Raman spectroscopy for online water analysis. NCCR Must annual meeting 2019, Grindelwald, 2019-01-14 to 01-16 ◆

Sterzi Andrea/Schneider Urs/Sambalova Olga/Bleiner Davide/Borgschulte Andreas

DeepUV Raman spectroscopy for online water analysis. CHanalysis 2019, Beatenberg, 2019-04-11 to 04-12 ●

Sterzi Andrea/Schneider Urs/Sambalova Olga/Bleiner Davide/Borgschulte Andreas

Tunable deep-UV Raman spectroscopy reveals nitrate photolysis. SPIE Nanoscience + Engineering, 2019, San Diego, California, United States, San Diego, US, 2019-08-11 to 08-15 ●

Sterzi Andrea /Schneider Urs/Sambalova Olga/Bleiner Davide/Borgschulte Andreas

DeepUV Raman: Shortening the Wavelength for Monitoring Water Quality. Extreme Rays, Rome, IT, 2019-11-06 to 11-07 ●

Terreni Jasmin/Borgschulte Andreas

Observing CO₂ hydrogenation reactions by neutron imaging. Retreat of the Graduate School (CMSZH), Charmey, 2019-01-16 to 01-19 ●

Trottmann Matthias/Nico Zwahlen/Adrian Wichser/Emanuel Billeter/Jordi Sastre-Pellicer/Davide Bleiner

Data signal fusion LIBS – LA-ICP-MS for thin film samples. EMSLIBS symposium 2019, Brno, CZ, 2019-09-08 to 09-12 ◆

Trottmann Matthias/Adrian Wichser/Jordi Sastre-Pellicer/Antonio Cabas-Vidani/Davide Bleiner

Laser Ablation Chemical Mapping of High-Efficiency. Kesterite Solar Cells with Lithium Alloying. European Plasma Winter Conference, Pau, FR, 2019-02-04 to 02-08 ◆

Wang Jing

Size-resolved endotoxin and oxidative potential of atmospheric particles. Annual congress of the Swiss Society for Allergology and Immunology, Lugano, 2019-09-05 to 09-06 ●○

<p>Wichser Adrian/Trottmann Matthias, Niederberger Jörg/Bleiner Davide Calibration for Space-Resolved Laser Ablation ICP-MS of Tree Rings. European Plasma Winter Conference, Pau, FR, 2019-02-03 to 02-09 ◆</p>
<p>Wichser Adrian/Trottmann Matthias, Niederberger Jörg/Bleiner Davide Calibration for Space-Resolved Laser Ablation ICP-MS of Tree Rings. SCS Fall Meeting 2019, University of Zürich, 2019-09-06 ◆</p>
<p>Wichser Adrian/Trottmann Matthias/Sastre Pellicer Jordi/Vailati Patric/Tiwari Ayodhya/Bleiner Davide Laser Ablation Chemical Mapping of High-Efficiency Solar Cells with Li Alloying. ANAKON, Münster, DE, 2019-03-25 to 03-28 ◆</p>
<p>Zennegg Markus/Perrone Donatella/Känzig Tania/Cripe Chantal/Genewein Agnes/Bleiner Davide Time trends of persistent organic pollutants in Swiss human milk samples. SCS Fall Meeting 2019, University of Zürich, Irchel Campus, 2019-09-06 ◆</p>
<p>Bereiter Bernhard/Mächler Lars/Tuzson Béla/Scheidegger Philipp/Schmitt Jochen/Emmenegger Lukas/Fischer Hubertus deepSLice: A novel multi-species and high-resolution method for trace gas analytics in extremely thinned ice. EGU, Vienna, AT, 2019-04-07 to 04-12 ◆</p>
<p>Brunner Dominik Monitoring the CO₂ emissions from cities using space-borne images of CO₂ and co-emitted species. CHE-VERIFY Joint General Assembly, ECMWF Reading, GB, 2019-03-12 to 03-14 ● ○</p>
<p>Brunner Dominik Atmospheric transport modelling of greenhouse gases and inverse source estimation at the country to European scale. DLR IPA Seminar Series, DLR Oberpfaffenhofen, DE, 2019-06-19 ● ○</p>
<p>Brunner Dominik/Kuhlmann Gerrit/Haussaire Jean-Matthieu/Marshal Julia/Meijer Yasjka/Löscher Armin Estimating CO₂ emissions of cities and power plants with a future constellation of CO₂ satellites. ESA Living Planet Symposium, Milano, IT, 2019-05-13 to 05-17 ●</p>
<p>Brunner Dominik/Mu Qing/Ochsner David/Berchet Antoine Air pollution modelling from continental scale down to street level for the city of Zurich. Second street-in-grid modelling symposium, Champs sur Marne, Paris, FR, 2019-06-28 ● ○</p>
<p>Buizert Christo/Shackleton Sarah/Severinghaus Jeffrey/Bereiter Bernhard/Kawamura Kenji/Orsi Anaïs/Birner Benjamin/Brook Edward/Etheridge David/Bertler Nancy/Pyne Rebecca/Mulvaney Robert/Mosley-Thompson Ellen A deglacial ice core record of synoptic activity in West Antarctica: links to the southern westerlies, upwelling and CO₂. INQUA 2019, Dublin, IE, 2019-07-25 to 07-31 ●</p>
<p>Eigenmann Florian/Hugi Andreas/Gianella Michele/Nataraj Akshay/Tuzson Béla/Emmenegger Lukas Spectral Interleaving With QCL-based Frequency Combs. 26th Colloquium HRMS, Dijon, FR, 2019-08-26 to 08-30 ● ○</p>
<p>Emmenegger Lukas/Aseev Oleg/Scheidegger Philipp/Blaser Stephane/Looser Herbert/Tuzson Bela Highly Sensitive Detection of Organic Molecules using Widely Electrically Tuneable QCLs. Optical Sensors and Sensing Congress, San Jose, US, 2019-06-25 to 06-27 ●</p>
<p>Emmenegger Lukas/Brunner Dominik/Henne Stephan/Tuzson Bela/Pieber Simone/Reimann Stefan/Vollmer Martin/Steinbacher Martin/Wyss Simon Top-down Emission Estimation. Measurements and Modelling at Jungfraujoch. Colloquium in honour of Jungfraujoch as SCS Chemical Landmark, Bern, 2019-04-25 ● ○</p>
<p>Emmenegger Lukas/Emmenegger Lukas/Vollmer Martin/Steinbacher Martin/Reimann Stefan Activities of Empa at the Jungfraujoch Research Station. Visit of the Chinese Delegation, Jungfraujoch, 2020-06-11 ● ○</p>
<p>Emmenegger Lukas/Hundt Morten/Graf Manuel/Scheidegger Philipp/Looser Herbert/Mohn Joachim/Kantnerova Kristyna/Pieber Simone/Tuzson Bela Recent developments in environmental trace gas sensing using quantum cascade lasers. Aerodyne Seminar, Billerica, MA, US, 2019-07-02 ● ○</p>
<p>Emmenegger Lukas/Hundt Morten/Graf Manuel/Scheidegger Philipp/Looser Herbert/Mohn Joachim/Kantnerova Kristyna/Tuzson Bela Environmental and industrial trace gas sensing using quantum cascade lasers. Optical Sensors and Sensing Congress, San Jose, US, 2019-06-15 to 06-17 ● ○</p>
<p>Emmenegger Lukas/Hundt Morten/Mohn Joachim/Tuzson Bela Recent developments in environmental trace gas sensing using quantum cascade lasers. Research Seminar at MIT, Boston, US, 2019-07-04 ● ○</p>
<p>Emmenegger Lukas/Mohn Joachim/Hueglin Christoph/Reimann Stefan/Brunner Dominik/Müller Michael Air quality measurements at Empa: from high-end to low-cost. Sensirion Seminar, Stäfa, 2019-05-28 ● ○</p>
<p>Emmenegger Lukas/Multi-component atmospheric trace-gas sensing using dual-wavelength quantum cascade lasers Hundt Morten/Tuzson Bela/Faist Jerome. SPIE Photonics West, San Francisco, US, 2019-02-03 ●</p>

Emmenegger Lukas/Tuzson Bela/Aseev Oleg/Tappy Luc/Jagerska Jana/Bovey Fabian/Looser Herbert/Felder Ferdinand

Breath acetone analysis using a broadly-tunable mid-IR VECSEL. SPIE Photonics West, San Francisco, US, 2019-02-06 ● ○

Emmenegger Lukas/Tuzson Bela/Hundt Morten/Kapsalidis Filippos/Shahmohammadi Mehran/Scheidegger Philipp/Aseev Oleg/Faist Jerome/Looser Herbert

Mid-infrared laser spectroscopy for the detection of trace-gases and radiocarbon. ETHZ-Ion Beam Physics Seminar, Zürich, 2019-02-27 ● ○

Emmenegger Lukas/Tuzson Bela/Hundt Morten/Kapsalidis Filippos/Shahmohammadi Mehran/Scheidegger Philipp/Aseev Oleg/Looser Herbert/Faist Jerome

Multi-species trace-gas spectroscopy using dual-wavelength QCLs. EGU, Vienna, DE, 2019-04-16 ●

Emmenegger Lukas/Tuzson Bela/Hundt Morten/Scheidegger Philipp/Aseev Oleg/Looser Herbert/Mohn Joachim/Kantnerova Kristyna

Quantum cascade laser spectroscopy for high-precision measurements of atmospheric trace-gases and their isotopes. Journées de Spéctroscopie Moléculaire, Paris, FR, 2019-02-27 ● ○

Emmenegger Lukas/Tuzson Bela/Ravelid Jonas/Brunner Dominik/Morales Randolph/Graf Manuel/Looser Herbert/Scheidegger Philipp/Stanicki Badrudin

A high-precision mid-IR methane laser spectrometer for UAVs. Non CO2 Greenhouse Gas Conference, Amsterdam, NL, 2019-06-12 to 06-13 ●

Fischer Andrea

RFA Colloquium Natural Resources and Pollutants + Energy, Dübendorf Empa, 2016-01-01 to 12-31 ■

Fischer Andrea

SCS Spring Meeting, "Novel Pathways in Materials Science", Dübendorf Empa, AKADEMIE, 2019-04-05 ■

Fischer Andrea

What can we learn from N2O isotope data?, Dübendorf Empa AKADEMIE, 2019-10-23 to 10-24 ■

Gianella Michele/Nataraj Akshay/Tuzson Béla/Kapsalidis Filippos/Beck Mattias/Schilt Stéphane/Südmeyer Thomas/Faist Jérôme/Hugi Andreas/Emmenegger Lukas

Spectral Interleaving with Quantum Cascade Laser Frequency Combs. CLEO/Europe, München, DE, 2019-06-23 to 06-27 ◆

Graf Manuel/Scheidegger Philipp/Looser Herbert/Stanicki Badrudin/Peter Thomas/Emmenegger Lukas/Tuzson Béla

Mid-IR Laser Spectrometer for Balloon-borne Lower Stratospheric Water Vapor Measurements. CLEO, San José, California, US, 2019-05-06 to 05-10 ●

Graf Manuel/Scheidegger Philipp/Looser Herbert/Peter Thomas/Emmenegger Lukas/Tuzson Béla

Mid-IR Laser Spectrometer for Balloon-borne Lower Stratospheric Water Vapor Measurements. Swiss Geoscience Meeting, Fribourg, 2019-11-22 to 11-23 ●

Guillevic Myriam/Vollmer Martin K./Guillevic Aurore/Hill Matthias/Schlauri Paul/Reimann Stefan/Emmenegger Lukas

HALOSEARCH: Searching for Unknown Halocarbons in the Atmosphere. NCGG8: 8th International Symposium on Non-CO2 Greenhouse Gases, Amsterdam, NL, 2019-06-12 to 06-14 ●

Guillevic Myriam/Vollmer Martin K./Guillevic Aurore/Hill Matthias/Schlauri Paul/Reimann Stefan/Emmenegger Lukas

HALOSEARCH: Searching for Unknown Halocarbons in the Atmosphere. EURACHEM workshop on Validation of targeted and non-targeted methods of analysis, Tartu, EE, 2019-05-20 to 05-21 ● ○

Guillevic Myriam/Vollmer Martin K./Emmenegger Lukas/Reimann Stefan/

HALOSEARCH: Searching for Unknown Halocarbons in the Atmosphere. 1st Swiss Workshop on Machine Learning for Environmental and Geosciences, EAWAG, Dübendorf, 2019-01-16 to 01-17 ◆

Guillevic Myriam/Vollmer Martin K./Hill Matthias/Schlauri Paul/Reimann Stefan

Progress on Empa APRECON-GC-TOFMS. AGAGE59: 59th Meeting of AGAGE Scientists and Cooperating Networks, Weggis, 2019-04-28 to 05-04 ●

Hueglin Christoph/Brunner Dominik/Mueller Michael/Jaehn Michael/Graf Peter/Mexer Jonas/Pentina Anastasia/Perez-Cruz Fernando/Emmenegger Lukas

Activities and experience with low-cost air quality sensors in Switzerland. 2nd AQUILA Sensor Workshop, Vienna, AT, 2019-10-01 ●

Hueglin Christoph/Fischer Andrea/Schwarzenbach Beat/Emmenegger Lukas

Entwicklung der Luftqualität in der Schweiz. Waren die Massnahmen zur Minderung der Schadstoffemissionen des Strassenverkehrs erfolgreich? ETH-Tagungsreihe Aspekte der individuellen Mobilität, ETH Zurich, 2019-02-07 ● ○

Hueglin Christoph/Brunner Dominik/Mueller Michael/Jaehn Michael/Graf Peter/Meyer Jonas/Pentina Anastasia/Perez-Cruz Fernando/Emmenegger Lukas/

The Swiss Carbosense CO2 sensor network and applications of sensor systems for NO and NO2. AQUILA Workshop: The use of sensors and their possible role in air quality assessment, Brussels, BE, 2019-01-22 ● ○

Hueglin Christoph

Regulations for Vehicle Emissions and Ambient Air Quality – Is there a Need for Harmonization? 23rd ETH Conference on Combustion Generated Nanoparticles, Zurich, 2019-06-17 to 06-20 ● ○

<p>Hueglin Christoph 23rd ETH Conference on Combustion Generated Nanoparticles, Zurich, 2019-06-17 to 06-20 ▲</p>
<p>Hueglin Christoph What are drivers of air pollution? UN Geneva Seminars Series. Air Pollution: challenges and solutions, Geneva, 2019-11-25 ●○</p>
<p>Hueglin Christoph Microsensors and Air Quality: Challenges and Opportunities, Paris, FR, 2019-12-17 ▲</p>
<p>Hueglin Christoph/Fischer Andrea/Jaffrezo Jean Luc/Emmenegger Lukas Long-term trend of black carbon (BC) from fossil fuel combustion and wood burning emissions in Switzerland. 12th International Conference on Carbonaceous Particles in the Atmosphere, Vienna, AT, 2019-04-03 to 04-06 ●</p>
<p>Ibraim Erkan/Denk Tobias/Wolf Benjamin/Barthel Matti/Gasche Rainer/Kraus David/Kiese Ralf/Butterbach-Bahl Klaus/Eggleston Sarah/Emmenegger Lukas/Six Johan/Mohn Joachim Reconciling high-temporal-resolution field measurements of N₂O isotopic composition with a biogeochemical model revealed denitrification as the main N₂O source. EGU 2019, Vienna, AT, 2019-04-07 to 04-12 ●</p>
<p>Jähn Michael/Haussaire Jean-Matthieu/Osterried Katie/Brunner Dominik Simulating Greenhouse Gas Emissions and Transport with COSMO-GHG at Kilometer-scale. ICCARUS 2019, Offenbach, DE, 2019-03-18 to 03-20 ●</p>
<p>Kantnerová Kristýna/Tuzson Béla/Emmenegger Lukas/Bernasconi Stefano M./Mohn Joachim Clumped N₂O isotope analysis by mid-IR laser spectroscopy. International Clumped Isotope Workshop, Los Angeles, US, 2019-01-25 to 01-28 ●</p>
<p>Kantnerová Kristýna/Tuzson Béla/Emmenegger Lukas/Bernasconi Stefano M./Mohn Joachim New reference frame for clumped N₂O isotopic analysis. Isotopes 2019, Burghausen, DE, 2019-07-07 to 07-12 ●</p>
<p>Kantnerová Kristýna/Tuzson Béla/Emmenegger Lukas/Bernasconi Stefano M./Mohn Joachim New reference frame for clumped N₂O isotopic analysis. What can we learn from N₂O Isotope Data?, Dübendorf, 2019-10-23 to 10-24 ◆</p>
<p>Kim Minsu/Kuhlmann Gerrit/Brunner Dominik Downscaling NO₂ satellite observations to high-resolution air pollution maps. 17th Swiss Geoscience Meeting, Fribourg, 2019-11-22 to 11-23 ●</p>
<p>Kuhlmann Gerrit/Schwaerel Marc/Emde Claudia/Mayer Bernhard/Brunner Dominik An Observing System Simulator for Atmospheric Trace Gas Remote Sensing over Cities. HAPS4ESA Workshop, Leiden, NL, 2019-02-12 to 02-14 ●</p>
<p>Mächler Lars/Baggenstos Daniel/Bereiter Bernhard/Tuzson Béla/Schmitt Jochen/Walther Remo/Scheidegger Philipp/Emmenegger Lukas/Fischer Hubertus Laser sublimation extraction and laser spectroscopy — keys to carbon isotope composition of atmospheric CO₂ in old ice. Stable Isotope Mass Spectrometry Users Group meeting, Bristol, GB, 2019-06-26 to 06-28 ◆</p>
<p>Mohn Joachim N₂O isotope research: analysis, reference materials and achievements within the SIRS project. Developments in Isotope Ratio Measurements for Gas Analysis Workshop, Bern, 2019-10-10 ●○</p>
<p>Mohn Joachim/Harris Stephen/Liisberg Jesper/Wolf Benjamin/Xia Longlong/Yu Longfei/Wei Jing/Zeyer Zeyer/Kelly Bryce Kelly/Blunier Thomas Comparison of N₂O isotope spectrometers for high-precision measurements in ambient air and incubation experiments. International DASIM Conference “Tracing Denitrification”, Giessen, DE, 2019-03-12 to 03-14 ●</p>
<p>Mohn Joachim Pros and cons of laser spectrometers for N₂O isotopes: Calibration needs and application examples. AGAGE Meeting, Weggis, 2019-04-28 to 05-04 ●</p>
<p>Mohn Joachim Isotopes 2019 – The Cross-Disciplinary Conference on Stable Isotope Sciences, Raitenhaslach, DE, 2019-07-07 to 07-12 ▲</p>
<p>Mohn Joachim What can we learn from N₂O isotope data?, Empa Akademie, 2019-10-23 to 10-24 ■</p>
<p>Mueller Michael/Jaehn Michael/Pentina Anastasia/Brunner Dominik/Perez Cruz Fernando/Hueglin Christoph/Emmenegger Lukas Carbosense – CO₂ sensor network and simulations. 1st Swiss Workshop on Machine Learning for Environmental and Geosciences, EAWAG, Dübendorf, 2019-01-16 to 01-17 ◆</p>
<p>Mueller Michael/Pentina Anastasia/Jaehn Michael/Brunner Dominik/Graf Peter/Hueglin Christoph/Meyer Jonas/Perez Cruz Fernando/Emmenegger Lukas Carbosense CO₂ sensor network – sensor data processing and results from the Zurich region. EGU General Assembly 2019, Vienna, AT, 2019-04-07 to 04-12 ●</p>
<p>Pieber Simone/Tuzson Béla/Brunner Dominik/Henne Stephan/Jordan Armin/Moossen Heiko/Rothe Michael/Steinbacher Martin/Emmenegger Lukas/ A decade of continuous high altitude atmospheric CO₂ isotope ratio (d¹³C, d¹⁸O) measurements at Jungfraujoc. EGU General Assembly 2019, Vienna, AT, 2019-04-07 to 04-12 ●</p>

<p>Pieber Simone/Tuzson Béla/Henne Stephan/Brunner Dominik/Jordan Armin/Moossen Heiko/Rothe Michael/Steinbacher Martin/Emmenegger Lukas Atmospheric stable CO2 isotope ratio measurements at Jungfrauoch since 2008. ICOS-CH Meeting, Birmensdorf, 2019-09-12 ●</p>
<p>Pieber Simone/Tuzson Béla/Henne Stephan/Brunner Dominik/Jordan Armin/Moossen Heiko/Rothe Michael/Steinbacher Martin/Emmenegger Lukas A decade of continuous and highly time-resolved stable carbon dioxide isotope ratio measurements at Jungfrauoch. GAW Landesausschuss – Herbst Meeting, Dübendorf, 2019-11-06 ●</p>
<p>Pieber Simone/Brunner Dominik/Henne Stephan/Jordan Armin/Moossen Heiko/Rothe Michael/Steinbacher Martin/Tuzson Béla/Emmenegger Lukas RINGO Annual Scientific Meeting 2019. A decade of continuous and discrete trace gas and stable isotope ratio measurements at Jungfrauoch: method comparison, Southampton, GB, 2019-03-20 to 03-22 ●</p>
<p>Reimann Stefan Additional CFC-11 emissions: Foam is the only answer, is it? The Unexpected Increase in Emissions of Ozone-Depleting CFC-11, Vienna, AT, 2019-03-25 to 03-27 ■</p>
<p>Reimann Stefan @VOC@ – a novel tool for data quality checks for VOCs. ACTRIS.2 final meeting, Darmstadt, DE, 2019-04-01 to 04-04 ◆</p>
<p>Reimann Stefan AGAGE meeting, Weggis, 2019-04-28 to 05-03 ■</p>
<p>Reimann Stefan/Hill Matthias @VOC@: A novel digital quality assurance approach for atmospheric VOC measurements. WMO VOC Expert meeting, Urbino, IT, 2019-11-04 to 11-06 ●</p>
<p>Reimann Stefan/Rigby Matthew/Prinn Ron/Fang Xuekun/Park Sunyoung/Western Luke/Manning Alistair/Henne Stephan/Vollmer Martin K. Increased CFC-11 Emissions from China: Recent Developments and the Search for Source Processes. AGU, San Francisco, US, 2019-12-09 to 12-13 ●</p>
<p>Reimann Stefan/Vollmer Martin/Henne Stephan/Brunner Dominik/Maione Michela/Graziosi Francesco/Arduini Jgor/Giostra Umberto HFC-23 from the production of HCFC-22 as seen at background sites in Europe. Non-CO2 Greenhouse Gas meeting, Amsterdam, NL, 2019-06-12 to 06-14 ●</p>
<p>Schwaerzel Marc/Emde Claudia/Kuhlmann Gerrit/Brunner Dominik/Buchmann Brigitte/Berne Alexis Effects of spatial variability of NO2 concentrations on NO2 remote sensing at city scale studied with a 3D radiative transfer model. Swiss Geoscience Meeting, Fribourg, 2019-11-22 to 11-23 ●</p>
<p>Steinbacher Martin Implementation of cavity-enhanced laser spectrometers in the European Integrated Carbon Observation System (ICOS) Research Infrastructure. 59th AGAGE Meeting, Weggis, 2019-04-28 to 05-04 ●</p>
<p>Steinbacher Martin Update on ICOS. HFSJG Users Meeting, Bern, 2019-05-24 ●</p>
<p>Steinbacher Martin ICOS Atmospheric Monitoring Station Assembly, Bologna, IT, 2019-11-18 to 11-20 ■</p>
<p>Steinbacher Martin Atmospheric Processes and Interactions with the Biosphere at the 17th Swiss Geoscience Meeting, Fribourg, 2019-11-23 ▲</p>
<p>Steinbacher Martin/Zellweger Christoph/Emmenegger Lukas/Buchmann Brigitte Training, twinning, and capacity building in support of greenhouse gas observations in data sparse regions. 20th WMO/IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases, and Related Measurement Techniques (GGMT-2019), Seogwipo, KR KOREA, REPUBLIC OF, 2019-09-01 to 09-05 ●</p>
<p>Steinbacher Martin/Zellweger Christoph/Emmenegger Lukas/Buchmann Brigitte WMO/GAW Quality Assurance/Science Activity Centre Switzerland (QA/SAC – CH). GAW-CH Landesausschuss, Dübendorf, 2019-11-06 ●</p>
<p>Tuzson Béla/Ravelid Jonas/Stanicki Badrudin/Graf Manuel/Chang Liu/Scheidegger Philipp/Looser Herbert/Emmenegger Lukas/ A compact QCL absorption spectrometer for mobile, high-precision methane measurements aboard drones. EGU, Vienna, AT, 2019-04-07 to 04-12 ●</p>
<p>Tuzson Béla/Stanicki Badrudin/Graf Manuel/Scheidegger Philipp/Looser Herbert/Ravelid Jonas/Emmenegger Lukas/ A high-precision laser spectrometer for methane monitoring aboard UAVs. Industrial Methane Measurement Conference (IMMC), Rotterdam, NL, 2019-05-22 to 05-23 ● ○</p>
<p>Tuzson Béla/Graf Manuel/Hundt Morten/Looser Herbert/Scheidegger Philipp/Emmenegger, Lukas Tracking molecules from the ground to the sky. Multi-wavelength QCLs in mobile analyzers. Photonics & Electromagnetics Research Symposium (PIERS), Rome, IT, 2019-06-17 to 06-20 ● ○</p>
<p>Vollmer Martin Synthetic F Gases. Non-CO2 Greenhouse Gas Conference, Amsterdam, NL, 2019-06-12 to 06-14 ▲ ○</p>

<p>Vollmer Martin Atmosphärenspione am Jungfrauoch – Top-Down Validierung von Emissionsinventaren. Carbotech Umweltgespräche, Oerlikon, 2019-11-07 🍷 ○</p>
<p>Vollmer Martin/AGAGE Team Hydrofluorolefines (HFOs) and Hydrochlorofluorolefines (HCFOs) Measurements in AGAGE. 59th Meeting of AGAGE Scientists and Cooperating Networks, Weggis, 2019-04-28 to 05-04 🍷</p>
<p>Vollmer Martin/AGAGE Team, UEA Team Increasing Emissions of Montreal-Protocol Substances other than CFC-11. CFC-11 Symposium, Vienna, AT, 2019-03-25 to 03-27 🍷</p>
<p>Vollmer Martin/Reimann Stefan/Hill Matthias/Henne Stephan/Guillevic Myriam/AGAGE Team Atmospheric Hydrofluoro-olefines (HFOs) and Hydrochlorofluorolefines (HCFOs) at Jungfrauoch and other AGAGE stations. Non-CO2 Greenhouse Gas Conference, Amsterdam, NL, 2019-06-12 to 06-14 🍷</p>
<p>Yu Longfei/Eliza Harris/Erkan Ibraim/Martin Steinbacher/Stephan Henne/Lukas Emmenegger/Christoph Zellweger/Joachim Mohn Partitioning N2O sources with isotopes: from atmosphere to ground. DASIM Conference, Giessen, DE, 2019-03-12 to 03-14 🍷</p>
<p>Yu Longfei/Longfei Yu/Eliza Harris/Stephan Henne/Martin Steinbacher/Lukas Emmenegger/Christoph Zellweger/Joachim Mohn Seasonal patterns and trends of N2O isotopes observed in the unpolluted atmosphere. AGU Fall Meeting, San Francisco, US, 2019-12-09 to 12-13 💎</p>
<p>Yu Longfei/Longfei Yu/Eliza Harris/Stephan Henne/Sarah Eggleston/Martin Steinbacher/Lukas Emmenegger/Christoph Zellweger/Joachim Mohn Seasonal patterns and trends of N2O isotopic composition in the unpolluted atmosphere. Workshop-What can we learn from N2O isotope data?, Empa, Duebendorf, 2019-10-23 to 10-24 💎</p>
<p>Zellweger Christoph/Steinbacher Martin/Emmenegger Lukas/Buchmann Brigitte Recent Activities and Achievements of WCC-Empa. GAW-CH Landesausschuss, Empa, Duebendorf, 2019-11-06 🍷</p>
<p>Zellweger Christoph/Steinbacher Martin/Steinbrecher Rainer/Emmenegger Lukas/Buchmann Brigitte Quality control supporting climate policy and research: Assessing two decades of GAW audit results for N2O and CO. EGU General Assembly 2019, Vienna, AT, 2019-04-07 to 04-12 🍷</p>
<p>Zellweger Christoph/Steinbacher Martin/Steinbrecher Rainer/Emmenegger Lukas/Buchmann Brigitte Recent Activities and Achievements of WCC-Empa. 20th WMO/IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases, and Related Measurement Techniques (GGMT-2019), Seogwipo-si, Jeju-do, KR, 2019-09-02 to 09-05 🍷</p>
<p>Bach Christian Interview mit Prof. Reto Knutti. SSM Vortragstagung "Wasserstoffmobilität: Hype oder Realität?", Campus Sursee, 2019-09-17 ■</p>
<p>Bach Christian Der wirtschaftliche Einsatz von synthetischem Methan in PKWs. 13. Gasfahrzeug-Tagung, Stuttgart, DE, 2019-10-22 to 10-23 🍷</p>
<p>Cabalzar Urs Production costs and value of the ecologic benefit of green gases. 2nd STORE&GO Workshop (STORE&GO=European PtG project), Solothurn, 2019-01-31 🍷 ○</p>
<p>Dimopoulos Eggenschwiler Panayotis Session: Low temperature catalysis. ICE 2019 14th International Conference on Engines & Vehicles, Capri, Naples, IT, 2019-09-15 to 09-18 ▲</p>
<p>Dimopoulos Eggenschwiler Panayotis Session:Emission Control Modeling. ICE 2019 14th International Conference on Engines & Vehicles, Capri, Naples, IT, 2019-09-15 to 09-18 ▲</p>
<p>Merotto Laura/Kammermann Thomas/Soltic Patrik/Bach Christian/Bleiner Davide INSIDE technique: Induced Spetroscopy for Ignition Diagnostics in Engines. 6th SCCER Mobility, Swiss Competence Center for Energy Research, Efficient Technologies and Systems for Mobility, ETH Zürich, 2019-06-09 💎</p>
<p>Merotto Laura/Kammermann Thomas/Soltic Patrik Ignition Diagnostics in EGR- and Air-diluted Methane/Air Mixtures using Spark Induced Breakdown Spectroscopy. 11th Mediterranean Combustion Symposium, Tenerife, ES, 2019-06-16 to 06-20 🍷</p>
<p>Milojevic Dejan/Hohl Christian/Bütler Thomas/Dimopoulos Eggenschwiler Panayotis/Huber Matthias/Bach Christian Autonomous Driving Sensor Testing. SCCER Mobility Annual Conference 2019, ETH Zürich, 2019-09-06 💎</p>
<p>Milojevic Dejan Action plan digitalization 2019-2020 – Automated Driving Sensor Testing Vehicle. SCCER Mobility Annual Conference 2019, ETH Zürich, 2019-09-06 🍷</p>
<p>Omanovic Andyn/Zisga Norbert/Soltic Patrik/Schneider Wolfgang Hybrid Concept with a Fully Variable Valve Train (FlexWork). SCCER Mobility Annual Conference 2019, ETH Zürich, 2019-09-06 💎</p>
<p>Papetti Viola/Dimopoulos Eggenschwiler Panayotis/Vasiliki Emmanouil/Koltbakis Grigorios Analysis of TWC characteristics in a Euro6 gasoline light duty Vehicle. ICE 2019 14th International Conference on Engines & Vehicles, Capri, Naples, IT, 2019-09-15 to 09-18 🍷</p>

Papetti Viola/Dimopoulos Eggenschwiler Panayotis/Della Torre Augusto/Montenegro Gianluca/Onorati Angelo/Koltsakis Grigorios

Heat transfer analysis of catalytic converters during cold starts. ICE 2019 14th International Conference on Engines & Vehicles, Capri, Naples, IT, 2019-09-15 to 09-18 🍷

Papetti Viola/Dimopoulos Eggenschwiler Panayotis

Reduction of Cold Start emissions with Microwave heated Catalytic converters. 19th Stuttgart International Symposium, Automotive and Engine Technology, Stuttgart, DE, 2019-03-19 to 03-20 🍷

Rojekwski Jakub/Soltic Patrik/Skopil Mario

New boosting concept in natural gas powered engine. SCCER Mobility Annual Conference 2019, ETH Zürich, 2019-09-06 🍷 ○

Soltic Patrik

Energieformen der Zukunft im Strassenverkehr. EcoOst Arena «Mobilität – Morgen und Heute», Romanshorn, 2019-08-28 🍷 ○

Soltic Patrik/Zsiga Norbert/Omanovic Andyn/Schneider Wolfgang

Functionality and potentials of the novel electro-hydraulic valve train "FlexWork". Conference on Combustion Research in Switzerland, ETH Zürich, 2019-06-24 🍷 ○

Stadelmann Patrick

Research in the Field of Gaseous Hydrogen Refueling to Reduce the Energy Consumption of Filling stations. European Fuel Cell Forum (EFCF), Luzern, 2019-07-02 to 07-05 🍷 ○

Stadelmann Patrick

Metrology for Hydrogen Vehicle. SSM- und SAE Switzerland Tagung 2019, Sursee, 2019-09-17 🍷 ○

Zsiga Norbert/Omanovic Andyn/Soltic Patrik/Schneider Wolfgang

Funktionsweise und Potenziale des neuartigen elektrohydraulischen Ventiltriebs "FlexWork". VDI Fachtagung Ventiltrieb und Zylinderkopf, Würzburg, DE, 2019-06-25 🍷 ○

Asakura Ryo

All-solid-state batteries based on closo-borate electrolytes. 35th Swiss Electrochemistry Symposium, PSI, Villigen, 2019-05-22 🍷

Asakura Ryo

Electrochemical oxidative stability of hydroborate-based solid-state electrolytes. 22nd International Conference on Solid State Ionics, PyeongChang, KRF, 2019-06-16 to 06-21 🍷

Asakura Ryo

Electrochemical oxidative stability of hydroborate-based solid-state electrolytes. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 🍷

Asakura Ryo

Electrochemical oxidative stability of hydroborate-based electrolytes for all-solid-state batteries. SCCER HaE Annual Symposium, Empa, Dübendorf, 2019-11-04 🍷

Asakura Ryo

Electrochemical oxidative stability of hydroborate-based solid-state electrolytes. Empa PhD Symposium, PSI, Villigen, 2019-11-28 🍷

Asakura Ryo

Electrochemical oxidative stability of hydroborate-based solid-state electrolytes. Empa PhD Symposium, PSI, Villigen, 2019-11-28 🍷

Battaglia Corsin

All-solid-state battery based on closoborate electrolytes. International Battery Association Meeting 2019, San Diego, US, 2019-03-03 to 10-08 🍷

Battaglia Corsin

Materials Innovation for Next-Generation Batteries. Société Science Naturelle de Genève, Geneve, 2019-04-29 🍷 ○

Battaglia Corsin

Materials Innovation for Next-Generation Batteries. Journée d'information et de réseautage francophone sur les batteries du futur, Paris, 2019-06-07 🍷

Battaglia Corsin

2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-09-15 to 09-18 🍷

Battaglia Corsin

Materials Innovation for Next-Generation Batteries. Deutsche Forschungsgemeinschaft, Herbstschule, Prag, CZ, 2019-09-24 🍷 ○

Battaglia Corsin

Electrocatalytic reduction of gaseous CO₂ to CO. Sunrise Swiss Stakeholder Workshop, Empa, Dübendorf, 2019-09-27 🍷

Battaglia Corsin

Materials Innovation for Next-Generation Batteries. CCMX-NCCR MARVEL Materials Science Day, Bern, 2019-10-08 🍷

Battaglia Corsin

Materials Innovation for Next-Generation Batteries. European Energy Research Alliance Annual Meeting, Rome, IT, 2019-11-07 🍷

Battaglia Corsin

All-solid-state batteries based on closo-borate electrolytes. Materials Research Society Fall Meeting, Boston, US, 2019-12-02 to 12-06 ●○

Battaglia Corsin

Conduction mechanism and electrochemical stability of closo-borate electrolytes for all-solid-state batteries. Materials Research Society Fall Meeting, Boston, US, 2019-12-02 to 12-06 ●

Battaglia Corsin

Electrocatalytic reduction of gaseous CO₂ to CO on Sn/Cu-nanofiber-based gas diffusion electrodes. Materials Research Society Fall Meeting, Boston, US, 2019-12-02 to 12-06 ◆

Battaglia Corsin

Impact of liquid phase formation on microstructure and conductivity of Li-stabilized Na-β"-alumina ceramics. Materials Research Society Fall Meeting, Boston, US, 2019-12-02 to 12-06 ●

Battaglia Corsin

Die drei ??? der Batterieforschung. European Power Network, Siemens, Zürich, 2020-02-28 to 02-28 ●○

Bay Marie-Claude

Impact of liquid phase formation on microstructure and conductivity of Li-stabilized Na-beta"-alumina ceramics. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 ◆

Bay Marie-Claude

Impact of liquid phase formation on microstructure and conductivity of Li-stabilized Na-beta"-alumina ceramics. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 ●

Bay Marie-Claude

Na-β"-alumina ceramics – an enabler for high-power sodium-ion batteries. Empa NAREP Seminar, Empa, Dübendorf, 2019-11-04 ●

Becker Maximilian

Towards high-voltage sodium-ion batteries based on aqueous electrolytes. 35th Swiss Electrochemistry Symposium, PSI, Villigen, 2019-05-22 ◆

Becker Maximilian

Extending the liquid range of highly-concentrated aqueous electrolytes. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 ◆

Becker Maximilian

Extending the liquid range of highly-concentrated aqueous electrolytes. SCCER HaE Annual Symposium, Empa, Dübendorf, 2019-11-04 ◆

Becker Maximilian

Extending the liquid range of highly-concentrated aqueous electrolytes. Empa PhD Symposium, PSI, Villigen, 2019-11-28 ◆

Becker Maximilian

Extending the liquid range of highly-concentrated aqueous electrolytes. Empa PhD Symposium, PSI, Villigen, 2019-11-28 ◆

Becker Maximilian

Extending the liquid range of highly-concentrated aqueous electrolytes. Empa PhD Symposium, PSI, Villigen, 2019-11-28 ●

Duchêne Léo

A 3 V stable closo-borate electrolyte for all-solid-state sodium-ion batteries. Geneva Chemistry & Biochemistry Days, Geneva, 2019-01-17 to 01-18 ●

Duchêne Léo

Elucidating the complex ionic conductivity behavior of the Na₂(B₁₂H₁₂)_{0.5}(B₁₀H₁₀)_{0.5} solid-state electrolyte. A 3 V stable closo-borate electrolyte for all-solid-state sodium-ion batteries. 2019 Spring Meeting of the European Materials Research Society, Nice, FR, 2019-05-27 to 05-31 ●

Duchêne Léo

Closo-borate electrolytes for all-solid-state batteries. Seminar Universität Giessen, Giessen, DE, 2019-07-01 to 07-05 ●○

Duchêne Léo

Closo-borate electrolytes for all-solid-state batteries. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 ◆

Duchêne Léo

Closo-borate electrolytes for all-solid-state batteries. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 ●

Duchêne Léo

Solution-processable closo-borate electrolyte for all-solid-state batteries. 2019 Fall Meeting of the European Materials Research Society, Warsaw, PL, 2019-09-16 to 09-19 ●○

Duchêne Léo

Solution-processable closo-borate electrolyte for all-solid-state sodium-ion batteries. 236th Electrochemical Society Meeting, Atlanta, US, 2019-10-13 to 10-17 ●○

Fu Chengyin

Inorganic/polymer composite coating for lithium-metal anode protection. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 ◆

Heinz Meike

Liquid phase formation in Na-beta"-alumina ceramics. 3rd Zebra Meeting, Meiringen, 2019-10-07 to 10-08 🍷

Ju Wenbo

Electrocatalytic reduction of gaseous CO₂ to CO on Sn/Cu-nanofiber-based gas diffusion electrodes. NanoInnovation 2019, Rome, IT, 2019-06-12 to 06-14 🍷 ○

Ju Wenbo

Impact of Sn-decorated Cu catalyst morphology on CO₂RR product selectivity. European Fuel Cell Forum 2019, Luzern, 2019-07-02 to 07-05 🍷

Ju Wenbo

Electrocatalytic reduction of gaseous CO₂ to CO on Sn/Cu-nanofiber-based gas diffusion electrodes. Sunrise Swiss Stakeholder Workshop, Empa, Dübendorf, 2019-09-27 🍷

Ju Wenbo

Electrocatalytic reduction of gaseous CO₂ to CO on Sn/Cu-nanofiber-based gas diffusion electrodes. SCCER HaE Annual Symposium, Empa, Dübendorf, 2019-11-04 🍷

Ju Wenbo

Electrocatalytic reduction of gaseous CO₂ to CO on Sn/Cu-nanofiber-based gas diffusion electrodes. NanoGe Fall Meeting 2019, Berlin, DE, 2019-11-04 to 11-08 🍷

Kühnel Ruben-Simon

Towards high-voltage sodium-ion batteries based on aqueous electrolytes. International Battery Association Meeting 2019, San Diego, US, 2019-03-03 to 10-08 🍷

Landmann Daniel

Design guidelines for next-generation sodium-metal-halide batteries EPFL. NRG Summer School 2019, Champéry, 2019-06-10 to 06-14 🍷

Landmann Daniel

Design guidelines for next-generation sodium-metal-halide batteries. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 🍷

Pagani Francesco

Lithium-ion conductivity of epitaxial Li₄Ti₅O₁₂ vs state of charge. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 🍷

Pagani Francesco

Lithium-ion conductivity of epitaxial Li₄Ti₅O₁₂ vs state of charge. SCCER HaE Annual Symposium, Empa, Dübendorf, 2019-11-04 🍷

Pagani Francesco

Li₄Ti₅O₁₂ as a model lithium-ion conductor. Accelerator based Materials Science, Zurich, 2019-12-01 to 12-06 🍷

Pagani Francesco

Lithium-ion conductivity of epitaxial Li₄Ti₅O₁₂ vs state of charge. Materials Research Society Fall Meeting, Boston, US, 2019-12-02 to 12-06 🍷

Payandeh Seyedhosein

Synthesis, structure and sodium-ion conductivity of NaB₁₁H₁₄. Gordon Research Conference on Hydrogen-Metal Systems, Castelldefels, ES, 2019-06-30 to 07-05 🍷

Payandeh Seyedhosein

Nido-borate based electrolytes for all-solid-state batteries. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 🍷

Payandeh Seyedhosein

Nido-borate-based electrolytes for all-solid-state batteries. 2019 Spring Meeting of the European Materials Research Society, Warsaw, PL, 2019-09-16 to 09-18 🍷 ○

Reber David

A water-in-salt electrolyte for high-voltage aqueous sodium-ion batteries. Electrochemical Conference on Energy and the Environment 2019 (ECEE 2019), Glasgow, GB, 2019-07-21 to 07-26 🍷

Reber David

2 V class aqueous sodium-ion batteries with low temperature cycling capabilities. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 🍷

Reber David

2 V class aqueous sodium-ion batteries with low temperature cycling capabilities. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 🍷

Reber David

2 V class aqueous sodium-ion batteries with low temperature cycling capabilities. CCMX-NCCR MARVEL Materials Science Day, Bern, 2019-10-08 🍷

Reber David

A 2 V class aqueous sodium-ion battery with low-temperature cycling capabilities. Materials Research Society Fall Meeting, Boston, US, 2019-12-02 to 12-06 🍷

Reber David

Water-in-salt electrolytes for high-voltage aqueous sodium-ion batteries. Materials Research Society Fall Meeting, Boston, US, 2019-12-02 to 12-06 🍷

Reber David

Water-in-salt electrolytes for high-voltage aqueous sodium-ion batteries. EPFL EDMX Research Day, Lausanne, 2019-12-12 ● ○

Remhof Arndt

Opportunities and challenges for closo-borate-based electrolytes for all-solid-state batteries. 2019 Spring Meeting of the European Materials Research Society, Nice, FR, 2019-05-27 to 05-31 ●

Remhof Arndt

Hydroborates as electrolytes for all-solid-state batteries. 2019 Fall Meeting of the European Materials Research Society, Warsaw, PL, 2019-09-15 to 09-18 ●

Remhof Arndt

Sodium closo-hydroborates: Promising electrolytes for solid-state sodium batteries. 2019 Fall Meeting of the European Materials Research Society, Warsaw, PL, 2019-09-15 to 09-18 ◆

Remhof Arndt

2019 Fall Meeting of the European Materials Research Society, Warsaw, PL, 2019-09-15 to 09-18 ■

Seidl Lukas

Interface engineering for safe and sustainable high performance batteries. 2nd Swiss & Surrounding Battery Days, Empa, Dübendorf, 2019-08-26 to 08-28 ◆

Adam Veronique/Rajkovic Sana/Wu Qie/Nowack Bernd

Integrated dynamic probabilistic model of ENM releases to the environment. International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, Vienna, AT, 2019-09-01 to 09-04 ●

Adam Veronique/Wu Qie/Kuenen Jeroen/Pomar Vicenc/Nowack Bernd

Integrated dynamic probabilistic modelling of ENM releases to the environment. Gordon Research Seminar and Conference, Newry, ME, US, 2019-06-01 to 06-07 ◆

Adam Veronique/Wu Qie/Kuenen Jeroen/Pomar Vicenc/Nowack Bernd

Integrated dynamic probabilistic modelling of ENM releases to the environment. NanoFASE Concluding Conference, Vienna, AT, 2019-09-05 to 09-06 ◆

Adam Veronique

Session: Novel Applications of Nanotechnology for the Provision of Food, Energy and Water. Gordon Research Seminar, Newry, ME, US, 2019-06-01 to 06-02 ■ ○

Beloin-Saint-Pierre Didier

Life Cycle Assessment for the Solar Energy Sector. SUNRISE SWISS STAKEHOLDER WORKSHOP, Dübendorf, 2019-09-27 ● ○

Beloin-Saint-Pierre Didier

Aspects clés pour l'évaluation de la durabilité environnementale des nanomatériaux. Séminaire de recherche, Nantes, FR, 2019-10-23 ● ○

Beloin-Saint-Pierre Didier/Padey Pierr Yves/Périsset Blaise/Medici Vasco

Considering dynamics of electricity demand and production for the environmental benchmark of Swiss residential buildings. Sustainable Built Environment Conference 2019, Graz, AT, 2019-09-11 to 09-13 ●

Beloin-Saint-Pierre Didier/Bach Christian/Bauer Christian/Cox Brian/Georges Gil/Hischier Roland/Pao-lone Mario/Pareschi Giacomo/Ramachandran Kannan/Rüdisüli Martin/Salaheldin Alaa/Sherif Fahmy/Teske Sinan

The carbon footprint of a transition to electricity based mobility in Switzerland: an integrated assessment. LCM 2019, Poznan, PL, 2019-09-01 to 09-04 ●

Berr Marcus/Roland Hischier/Patrick Wäger

Addressing raw materials supply risk indicators in Life Cycle Sustainability Assessment. 3rd IRTC Round Table, San Antonio, Texas, US, 2019-03-10 to 03-14 ●

Berr Marcus/Roland Hischier/Patrick Wäger

Assessing supply risks within an integrated life cycle sustainability assessment framework – a critical review of supply risk indicators. 9th International Conference on Life Cycle Management, Poznan, PL, 2019-09-01 to 09-04 ◆

Berr Marcus/Roland Hischier/Patrick Wäger

Assessing supply risks within Life Cycle Sustainability Assessment – a Critical Review of Supply Risk Indicators. World Resources Forum 2019, Geneva, 2019-10-23 to 10-24 ◆

Berr Marcus/Roland Hischier/Patrick Wäger

Assessing Supply Risks within Life Cycle Sustainability Assessment – a Critical Review of Supply Risk Indicators. World Resources Forum 2019, Geneva, 2019-10-23 to 10-24 ●

Berr Marcus/Roland Hischier/Patrick Wäger

Assessing Supply Risks within Life Cycle Sustainability Assessment – a Critical Review of Supply Risk Indicators. Empa PhD Symposium 2019, Empa St. Gallen, 2019-11-28 ●

Böni Heinz

Performance Indicators for WEEE-Recycling: Do WEEE measure the right thing(s)? E-Waste World Conference & Expo, Frankfurt, DE, 2019-11-14 to 11-15 ● ○

Cai Yaping/Tong Yang/Denise Mitrano/Manfred Heuberger/Rudolf Hufenus/Bernd Nowack

Tracking the origin of fiber micro-fragments in textiles and understanding the release mechanism during washing. SETAC Europe 29th Annual Meeting, Helsinki, FI, 2019-05-26 to 05-30 ●

Crenna Eleonora/Gauch Marcel/Hischier Roland

The environmental sustainability of Li-ion batteries for electric vehicles: Update of the datasets in the database Ecoinvent. Advanced Lithium Batteries for Automobile Applications. ABAA 12, Ulm, DE, 2019-10-06 to 10-09 ◆

Desing Harald

How to split the carbon budget for buildings based on Planetary Boundaries. Transition towards a net zero built environment – carbon budget workshop, Graz, AT, 2019-09-10 ● ○

Desing Harald

Group discussion on ethical, environmental and economic consequences of new economic models. Interdisciplinary Seminar for Early-Career Researchers: (New) Sustainable Economies: Conceptualization and Assessment, Freiburg im Breisgau, DE, 2019-11-21 to 11-22 ●

Desing Harald/Bill Andreas/Böni Heinz/Hischier Roland/Wäger Patrick

Material selection in Product Design based on closed Loop Recycling Efficiency. International Conference of final sinks, Wien, AT, 2019-12-09 to 12-11 ●

Desing Harald/Böni Heinz/Hischier Roland

A Circular Economy within the planetary boundaries. ISIE Socio economic metabolism, Berlin, DE, 2019-05-13 to 05-15 ●

Desing Harald/Braun Gregor/Hischier Roland

Making best use of limited resources – from the choice of resources to eco-efficient engineering. Life cycle management, Poznan, PL, 2019-09-02 to 09-04 ●

Gauch Marcel

Umweltauswirkungen und Rohstoffaspekte von Elektroautos. EnergieTreff SG – Elektromobilität und Schnittstellen zum Gebäude, Einstein Congress SG, 2019-02-20 ●

Gerber Andreas/Ulrich Markus/Wäger Patrick

Post-fossil Cities. Europäisches Planspielforum 2019, Stuttgart, DE, 2019-06-26 to 06-28 ◆

Gerber Andreas/Ulrich Markus/Wäger Patrick

Review of Haptic and Computerized (Simulation) Games on Climate Change. ISAGA 2019 – 50th Anniversary Conference, Warsaw, PL, 2019-08-26 to 08-30 ●

Gerber Andreas/Ulrich Markus

Simulation Game “Post-Fossil Cities” – How to Play a Fundamental Transformation in 90 Minutes? ISAGA 2019 – 50th Anniversary Conference, Warsaw, PL, 2019-08-26 to 08-30 ●

Gonçalves João/Hilty Lorenz/Wäger Patrick

Multi-model Simulation Specification and Execution. SIMULTECH, Prague, CZ, 2019-07-29 to 07-31 ◆

Hauser Marina/Bernd Nowack

Environmental risks of polymeric nanobiomaterials. Welcome to the nano scale: from science to health application, Dübendorf, 2019-09-13 ●

Hilty Lorenz

Chancen und Risiken der digitalen Transformation für die nachhaltige Entwicklung. Green IT, Zürich, Faircustomer, 2019-09-05 ● ○

Hilty Lorenz

Digitalisierung und Nachhaltigkeit – ein Überblick. TU Berlin Nachwuchsgruppe Digitalisierung und Nachhaltigkeit, Berlin, DE, 2019-02-04 ● ○

Hilty Lorenz

Digitalisierung nachhaltig gestalten. Jahreskonferenz Heinrich-Böll-Stiftung, Kiel, DE, 2019-03-07 ● ○

Hilty Lorenz

Simulating the post-fossil City in a game – and other work in progress. KTH MISTRA-SAMS Seminar, Stockholm, SE, 2019-05-24 ● ○

Hilty Lorenz

Session Sustainability. EnviroInfo 2019, Kassel, DE, 2019-09-23 to 09-26 ▲

Hilty Lorenz

Teilnahme Podiumsdiskussion. Digitale Gesellschaft, Zürich, 2019-09-26 ● ○

Hilty Lorenz

Teilnahme Podiumsdiskussion. Oec Alumni Homecoming Day UZH, Zürich, 2019-09-26 ● ○

Hilty Lorenz

Obsoleszenz durch Software. Metalle – Voraussetzung der digitalen Transformation, Tutzing, DE, 2019-11-08 to 11-10 ● ○

Hilty Lorenz

Ecological risks and opportunities of digitalisation. DF73: 73rd LCA Discussion Forum, Wädenswil, 2019-11-21 ● ○

Hilty Lorenz/Clemens Mader

The LOTA Methodology – enabling a rational sustainability discourse in the transdisciplinary research process. Leverage Points – International Conference on sustainability research and transformation, Leuphana University of Lüneburg, DE, 2019-02-06 to 02-08 ●

Hilty Lorenz/Maria J. Pouri

First Workshop on Digitally Enabled Sharing and Sustainability (DESS). 6th International Conference on ICT for Sustainability (ICT4S 2019), Lappeenranta, FI, 2019-06-10 to 06-15 ▲

Kakkos Efstathios/Heisel Felix/Hebel Dirk/Hischier Roland

The environmental sustainability potential behind the Urban Mining concept – a case study from Switzerland. Buildings as Material Banks. A Pathway for a circular Future., Brussels, BE, 2019-02-05 to 02-07 ●

Kakkos Efstathios /Heisel Felix/Hebel Dirk/Hischier Roland

The environmental sustainability potential behind the Urban Mining concept – a case study from Switzerland. Life Cycle Management, Poznan, PL, 2019-09-01 to 09-04 ◆

Kawecki-Wenger Delphine/Nowack Bernd

Spatially resolved environmental emissions of seven commodity plastics in Switzerland. SETAC Helsinki, Helsinki, FI, 2019-05-26 to 05-30 ●

Loevik Amund Nordli/Johan Tivander/Maria Ljunggren Söderman/Johanna Emmerich

Monitoring the material flows of batteries and vehicles in Europe: data requirements, current reporting and improvement options. ORAMA Webinar: Data Optimisation for Secondary Raw Materials from Batteries and ELV, Online, 2019-10-16 ●

Loevik Amund Nordli/Michelle Wagner/Johanna Emmerich/Maria Ljunggren Söderman/Johan Tivander/Eniko Hajosi/Frands Schjøth

ORAMA Webinar: Data Optimisation for Secondary Raw Materials from Batteries and ELV, Online, 2019-10-16 ■

Loevik Amund Nordli/Maria Ljunggren Söderman

Knowledge on vehicle stocks and flows. Third International Workshop of the Raw Materials Information System (RMIS), Ispra, IT, 2019-06-11 to 06-12 ●○

Mader Clemens

Chancen und Risiken künstlicher Intelligenz für Nachhaltige Entwicklung. TrendIT Conference Wirtschaftskammer Österreich, Kärnten, Klagenfurt, AT, 2019-09-20 ●○

Mader Clemens

Pros and Cons of AI in Education and Research – Learnings from a TA study on AI. 4th European Technology Assessment Conference, Bratislava, SK, 2019-11-03 to 11-05 ●○

Mader Clemens

Connecting the Dots – Picturing Sustainability and Assessing Technology. Social Initiative Forum, Heliopolis University for Sustainable Development, EG, 2019-12-12 to 12-15 ●○

Mader Clemens/Lorenz Hilty

SPM – The Sustainability Profile Matrix – A Software tool for stakeholder and content management in sustainability assessment. Leverage Points 2019 – International Conference on sustainability research and transformation, Leuphana University of Lüneburg, DE, 2019-02-06 to 02-08 ◆

Mader Clemens/Anne Zimmermann/University of Bern

Transformative teaching and learning assessment methods. COPERNICUS Alliance Online Conference 2019, Virtual Conference, 2019-09-10 to 09-11 ●○

Matasci Cecilia/Gauch Marcel/Böni Heinz

The environmental impact of Swiss consumption – Linking socio-economic metabolism with climate change and total environmental impacts. 13th Conference of the International Society for Industrial Ecology – Socio-Economic Metabolism Section (ISIE-SEM), Berlin, DE, 2019-05-13 to 05-15 ●

Nowack Bernd

Polymer-specific modelling of the environmental emissions of seven commodity plastics as macro- and microplastics. Fachgespräch “Gesamtmodell der Kunststoffeinträge in die Umwelt», Umweltbundesamt, Berlin, June 25, 2019, Berlin, Germany, Berlin, DE, 2019-06-25 ●○

Nowack Bernd

Predicting nanomaterial flows to the environment: state of the art and new developments». ChinaNano, 8th International Conference of Nanoscience and Technology, Beijing, CN, 2019-08-16 to 08-19 ●○

Nowack Bernd/Wigger Henning

Environmental risk assessment of engineered nanomaterials considering material-specific properties – implications on grouping and read across concepts. 2019 TechConnect World Innovation Conference & Expo, Boston, US, 2019-06-17 to 06-19 ●

Nowack Bernd/Wigger Henning

Influence of the nanomaterial definition and material-specific properties on exposure and risk assessment of engineered nanomaterials. 14th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, ICEENN 2019, Wien, AT, 2019-09-01 to 09-04 ●

Pinlova Barbora

Empa PhD Students' Symposium 2019, Empa St Gallen, 2019-11-28 ■

Pinlova Barbora/Kawecki Maciej/Neels Antonia/Nowack Bernd

Study of degradation of plastics and formation of microplastics. 2019 Summer School – Characterization of Materials, EPFL Lausanne, 2019-09-02 to 10-04 ◆

Restrepo Eliette/Loevik Amund N./Widmer Rolf/Wäger Patrick

Car Electronics Trends and Implications for Critical Metals Recycling. Conference of the Socio-Economic Metabolism Section of the International Society for Industrial Ecology, Berlin, DE, 2019-05-13 to 05-15 ●

Restrepo Eliette/Loevik Amund N./Widmer Rolf/Wäger Patrick

Supporting Critical Metal Recycling Policy with Stocks and Flows Data. International Round Table on Materials Criticality (IRTC), Beijing, CN, 2019-07-07 ●○

Restrepo Eliette/Loevik Amund N./Widmer Rolf/Wäger Patrick

Estimating (future) critical metal mass in car electronics. Conference of the International Society for Industrial Ecology, Beijing, CN, 2019-07-08 to 07-11 ●

Roca Puigros Marta/Müller Daniel

Experiencing the transition towards a low-carbon regime through a MFA-based simulation game. 13th Conference of the Socio-Economic Metabolism section of the International Society for Industrial Ecology (ISIE), Berlin, DE, 2019-05-13 to 05-15 ●

Salieri Beatrice/Barruetabeña Leire/Micheletti Christian/Suarez-Merino Blanca, Jacobsen Nielsen, Liguori Biase, Benetti Federico, Chapon Valentine, Hischier Roland

A new integration framework to ensure the safety and the sustainability of nanoproducts. NanoSafety Cluster Week, Copenhagen, DE, 2019-10-07 to 10-10 ◆

Salieri Beatrice/Leire Barruetabeña/Christian Micheletti, Blanca Suarez Merino /Nicklas Raun Jacobsen/Niels Hadrup/Araceli Sánchez /Biase Liguori/Federico Benetti/Valentin Chapon Isabel Rodríguez-Llopis/Roland Hischier

An integrated LCA and RA approach for assessing the environmental sustainability of nanoproducts. SETAC Europe 29th annual meeting, Helsinki, FI, 2019-05-26 to 05-30 ●

Schmutz Mélanie/Som Claudia

Guidelines for implementing a Safe-by-Design Approach for medicinal polymeric nanocarriers. NanoSafety Cluster Week "Building confidence in risk assessment and governance of Nanomaterial Innovation", Copenhagen, DK, 2019-10-07 to 10-10 ●

Schmutz Mélanie/Som Claudia

Implementing a Safe-by-Design Approach for nano-based drug delivery systems. Welcome to the nano-scale: from science to health application, Empa Akademie, 2019-09-12 to 09-13 ●

Som Claudia

Life cycle approach for nanoparticle-based products used in house coatings to balance benefits and risks. 3RD JOINT SYMPOSIUM ON NANOTECHNOLOGY APRIL 9 – 10, 2019, Block V: Energy/Construction, Fraunhofer Stuttgart, DE, 2019-04-09 to 04-10 ● ○

Som Claudia/Mélanie Schmutz

Guidelines to implement a Safe-by-Design approach for medicinal polymeric nanobiomaterials. Welcome to the nanoscale, Empa Akademie, 2019-09-12 to 09-13 ● ○

Stoudmann Natasha/Nowack Bernd/Som Claudia

Prospective environmental risk assessment of nanocellulose for Europe. International Conference on Environmental Effects of Nanoparticles and Nanomaterials (ICEENN), Vienna, AT, 2019-09-01 to 10-04 ◆

Toledo Lorena/Rolf Widmer/Olivier Groux

End-of-life Li-ion battery recycling. World Resources Forum 2019, Geneva, 2019-10-23 to 10-24 ◆

Wäger Patrick

Supply and Demand Scenarios. SusCritMat Summer School for Educators, King's College, Cambridge, GB, 2019-07-10 to 10-12 ● ○

Wäger Patrick/Desing, Harald, Hischier, Roland

Towards a sustainable circular economy. Strategieworkshop "Roh- und Werkstoffe der Zukunft", Dübendorf, 2019-11-26 ● ○

Wäger Patrick/Gerber Andreas/Ulrich Markus/Roca Puigròs Marta

NRP 73 project "Post-fossil cities". ESS Seminar, EAWAG Dübendorf, 2019-06-21 ●

Wäger Patrick/Groth, Nora (EIT Raw Materials), Hool, Alessa (ESM)

Towards a sustainable Circular Economy. Strategieworkshop "Roh- und Werkstoffe der Zukunft", Dübendorf, 2019-11-26 ■

Wäger Patrick/Loevik, Amund/Ljunggren, Maria/Tivander, Johan

SRM key results & recommendations in a nutshell: vehicles. Satellite event of the Raw Materials Week 2019 co-organised by ORAMA and GeoERA, Brussels, BE, 2019-11-22 ● ○

Wäger Patrick/Müller Daniel/Hilty Lorenz/Ulrich Markus/Kytzia Susanne/Roca Puigròs Marta/Goncalves Joao/Gerber Andreas

Post-fossil Cities. 2nd NRP 73-Programme Conference 2019, Bern, 2019-02-13 ◆

Functional Materials**Amberg Martin/Rupper Patrick/Heuberger Manfred/Hegemann Dirk**

Keynote: Thermosensitive Color-Changing Coatings for Textile Sensor. PLATHINIUM 1th Plasma Thin film International Union Meeting, Antibes, FR, 2019-09-23 to 09-27 ● ○

Amberg Martin

Session: Health and life science. PLATHINIUM 1th Plasma Thin film International Union Meeting, Antibes, FR, 2019-09-23 to 09-27 ▲ ○

Bülbül Ezgi

Subsurface ferroelectric water provokes a controlled protein adsorption. The Spring Meeting of the European materials Research Society, Nice, FR, 2019-05-27 to 05-31 ●

Bülbül Ezgi

Subsurface ferroelectric water provokes a controlled protein adsorption. ISPC24- 24th International Symposium on Plasma Chemistry, Naples, IT, 2019-06-09 to 06-14 ◆

Gaan Sabyasachi

Flame Retardant Coatings: Basics and New Developments. European Fire Forum 2019, Madrid, ES, 2019-11-06 to 11-07 ● ○

Gaan Sabyasachi/Nazir Rashid/Gooneie Ali/LehnerSandro/SalmeiaKhalifah A./Hufenus Rudolf

Thermal Stabilization of Polymers via DOPO based Flame Retardants. 30th Annual Conference on Recent Advances in Flame Retardancy of Polymeric Materials, San Antonio Texas, USA, US, 2019-05-18 to 11-20 ● ○

Gaan Sabyasachi

Challenges of commercializing new phosphorus flame retardants: Academic perspective. 19th European Meeting on Fire Retardant Polymeric Materials, Turku, FI, 2019-06-26 to 06-28 ● ○

Gaiser Sandra/Hegemann Dirk

Correlations between Gas Flow and Film Growth in Plasma Polymerization Processes. 24th International Symposium on Plasma Chemistry (ISPC 24), Naples, IT, 2019-06-09 to 06-14 ◆

Gaiser Sandra/Schütz Urs/Hegemann Dirk

Numerical and Experimental Investigation of the Deposition of Plasma Polymerized Films on Low-Vapour-Pressure Liquids. PLATHINIUM (Plasma Thin Film International Union Meeting), Antibes, FR, 2019-09-23 to 09-27 ●

Gooneie Ali

In Between Solid and Liquid: Steps of Phases. Empa Topical day: High-performance multiscale modeling VI, Dübendorf, 2019-05-23 ● ○

Gooneie Ali

Morphology and Structural Development session. 35th International Conference of the Polymer Processing Society, Çesme, TR, 2019-05-27 ▲ ○

Gooneie Ali/Simonetti Pietro/Salmeia Khalifah A./Gaan Sabyasachi/Hufenus Rudolf/Heuberger Manfred P./

Synergistic Effects of Organophosphorus DOPO-PEPA Additive on Enhanced Melt Processing of PET. 35th International Conference of the Polymer Processing Society, Çesme, TR, 2019-05-26 to 05-30 ●

Gooneie Ali

Zooming in on liquid interfaces: how simulations help us go deeper. 28th Leobener Kunststoff-Kolloquium: Simulation in der Kunststofftechnik (LKK), Leoben, AT, 2019-04-25 to 04-26 ● ○

Hegemann Dirk

Plasma Treatment and Deposition Processes. 24th International Symposium on Plasma Chemistry. Summer School, Naples, IT, 2019-06-07 to 06-08 ● ○

Hegemann Dirk

Interaction of functional plasma polymer films with water. PT 19, Cottbus, DE, 2019-06-17 to 06-19 ● ○

Hegemann Dirk

Plasma Polymer films: Functionality, Stability and Usability. IBERTRIVA 2019 Conference, Sevilla, ES, 2019-06-26 to 06-28 ● ○

Hegemann Dirk

Advanced Surface Functionalization Based on Chemical Gradients in Plasma Polymer Films. IVC-21, Malmö, SE, 2019-07-01 to 07-05 ● ○

Hegemann Dirk

Advanced material properties of nano-scaled plasma polymer films in aqueous environments. AEPSE 2019, Jeju, KP, 2019-09-01 to 09-06 ● ○

Hegemann Dirk

Ultradünne Multilagen-Beschichtungen für SmartTex-Anwendungen. Smart Textiles Workshop, Weimar, DE, 2019-09-30 to 10-01 ● ○

Hegemann Dirk/Bülbül Ezgi/Gaiser Sandra/Rupper Patrick/Amberg Martin/Heuberger Manfred

Water intrusion in nanometer-thick plasma polymer films affecting surface properties. 24th International Symposium on Plasma Chemistry. ISPC-24, Naples, IT, 2019-06-09 to 06-14 ●

Hegemann Dirk/Bülbül Ezgi/Heuberger Manfred

Exploring surface and subsurface effects using plasma polymer nanolayers. 6th Plasma Workshop – Surface and Interface interaction, Luxembourg, LU, 2019-11-13 to 11-15 ● ○

Hufenus Rudolf

Bicomponent fibers for technical applications. 3rd Future Fibres Symposium, Deakin University, Geelong, AU, 2019-02-18 to 02-19 ● ○

Hufenus Rudolf

Session "Fibrous Materials Characterizations". The Fiber Society 2019 Spring Conference, Hong Kong, HK, 2019-05-21 to 05-23 ▲ ○

Hufenus Rudolf

Session "Fiber, Films and Membranes". 35th International Conference of the Polymer Processing Society, Çesme-Izmir, TR, 2019-05-26 to 05-30 ▲ ○

Hufenus Rudolf	Antistatic fibers for high-visibility workwear. Polymer Processing Society Conference, Pretoria, ZA, 2019-11-18 to 11-21 ● ○
Hufenus Rudolf/Jakubowski Konrad	Flexible polymer optical fibers produced by bicomponent melt-spinning. The Fiber Society 2019 Spring Conference, Hongkong, HK, 2019-05-21 to 05-23 ● ○
Hufenus Rudolf/Jakubowski Konrad	Flexible polymer optical fibers produced by bicomponent melt-spinning. 35th International Conference of the Polymer Processing Society, Cesme-Izmir, TR, 2019-05-26 to 05-30 ● ○
Hufenus Rudolf/Jakubowski Konrad	Flexible polymer optical fibers produced by bicomponent melt-spinning. 58th International Man-Made-Fibres Congress, Dornbirn, AT, 2019-09-11 to 09-13 ● ○
Jakubowski Konrad/Kerkermeier Wiebke/Perret Edith/Heuberger Manfred/Hufenus Rudolf	Continuous fabrication of liquid-core polymer optical fibers. Fiber Society Fall 2019 Conference, University of Texas at Austin, US, 2019-10-28 to 10-30 ◆
Jakubowski Konrad/Huang Chieh-Szu/Gooneie Ali/Boesel Luciano/Heuberger Manfred/Hufenus Rudolf	Impact of the polymer host on luminescent dye properties in melt-spun bicomponent polymer optical fibers for photovoltaic cell enhancement. Fiber Society Fall 2019 Conference, University of Texas at Austin, US, 2019-10-28 to 10-30 ● ○
Jakubowski Konrad/Heuberger Manfred/Hufenus Rudolf	Melt-spun Light-converting Optical Fibers for Solar Cell Enhancement. The Fiber Society 2019 Spring Conference, Hong Kong, HK, 2019-05-21 to 05-23 ◆
Lin Chao/Yan Yurong/Liu Zhengyu/Ke Hanhan/Zhiming Qiu/Hufenus Rudolf	Flexible Phase-change Filament with Ionic Liquid Core for Thermoregulation. The Fiber Society 2019 Spring Conference, Hong Kong, HK, 2019-05-21 to 05-23 ◆
Nazir Muhammad Rashid	Alkyl sulfone bridged phosphorus flame retardants for polypropylene and polyurethane foams. FRPM 2019, Turku, FI, 2019-06-26 to 11-29 ●
Perret Edith/Chen Kang/Jakubowski Konrad/Gooneie Ali/Hufenus Rudolf	Highly oriented non-crystalline mesophases in semi-crystalline and amorphous polymer fibers. 35th International Conference of the Polymer Processing Society, Cesme-Izmir, TR, 2019-05-26 to 05-30 ● ○
Rupper Patrick	Möglichkeiten an der Empa im Bereich der Oberflächenanalytik. Prüftechnologien, Dornbirn, AT, 2019-12-03 ● ○
Rupper Patrick/Amberg Martin/Hegemann Dirk/Heuberger Manfred	Mica surface hydroxylation with water vapor plasma and online control. 18th European Conference on Application of Surface and Interface Analysis, Dresden, DE, 2019-09-15 to 09-20 ◆
Salmeia Khalifah/Sabyasachi Gaan	Flame retardation of Wood with Novel Triazine Phosphonates. FRPM19, Turku, FI, 2019-06-25 to 06-28 ◆
Selli Figen/Erdogan Ümit Halis/Perret Edith/Hufenus Rudolf	Pilot-scale Melt-spinning of Poly(e-caprolactone): Solid and Liquid-core Filaments. 35th International Conference of the Polymer Processing Society, Cesme-Izmir, TR, 2019-05-26 to 05-30 ●
Brunner Samuel	VIP aging and durability. IVIS2019, Kyoto, JP, 2019-09-19 to 09-20 ● ○
Civioc Romain	A glimpse of infinity. ArtSci, Zürich, 2019-04-29 to 05-10 ◆
Civioc Romain/Galmarini Sandra/Lattuada Marco/Koebel Matthias	Silica-organic composites and their pyrolyzed carbon-silica counterparts. International Sol-Gel Conference, St. Petersburg, RU, 2019-08-25 to 08-30 ◆
Emanuele Piccoli/Civioc Romain/Galmarini Sandra	Hybrid silica-carbon aerogels tuning through characterization and modelling. International Youth Summer School on Aerogels, Moscow, RU, 2019-08-21 to 08-23 ● ○
Emanuele Piccoli/Dama Alessandro	Modelling The Performances Of An Innovative Shading Device Integrating PV. Building Simulation 2019, Rome, IT, 2019-09-02 to 09-04 ●
Galmarini Sandra	The macroscopic vs. the atomistic view of surfaces. Surfin Workshop: Atomistic Insights into Processes at Minerals and Materials Surfaces and Interfaces, Huddersfield, GB, 2019-06-17 ● ○
Ganobjak Michal	Advances in the aerogel building applications. SEB 2019, Budapest, HU, 2019-07-04 to 07-05 ●
Guerrero Albuquerque Natalia	Association of Spanish Scientists in Switzerland. Innovation for Young Scientists, Dübendorf, 2019-11-20 ▲
Guerrero Albuquerque Natalia/Adilien Nur/Malfait Wim/Koebel Matthias/Lattuada Marco/Zhao Shanyu	Strong and thermal insulating chitosan-urea aerogels: towards ambient pressure drying of biopolymer aerogels. Sol-Gel Science Slam, St. Petersburg, RU, 2019-08-29 ◆

Guerrero Albuquerque Natalia/Adilien Nour/Malfait Wim/Koebel Matthias/Lattuada Marco/Zhao Shanyu

Strong, machinable and thermal insulating chitosan-urea aerogels: towards ambient pressure drying of biopolymer aerogels. PhD Symposium, Dübendorf, 2019-11-28 🍷

Guerrero Albuquerque Natalia/Adilien Nour/Malfait Wim/Koebel Matthias/Lattuada Marco/Zhao Shanyu

Strong and thermal insulating chitosan-urea aerogels: towards ambient pressure drying of biopolymer aerogels. Sol-Gel 2019, St. Petersburg, RU, 2019-08-25 to 08-30 🍷

Koebel Matthias/From small to large and back: the future of aerogel materials processing

From small to large and back: the future of aerogel materials processing. TechConnect World, Boston, MA, US, 2019-06-17 to 06-19 🍷 ○

Sivaraman Deeptanshu/Zhao Shanyu/de Freitas Siqueira Gilberto/Nyström Gustav/Lattuada Marco/Koebel Matthias/Malfait Wim

Effect of density on the thermal conductivity of transparent cellulose aerogels. PhD Symposium, Dübendorf, 2019-11-28 🍷

Sivaraman Deeptanshu/Zhao Shanyu/de Freitas Siqueira Gilberto/Nyström Gustav/Lattuada Marco/Koebel Matthias/Malfait Wim

Effect of density on the thermal conductivity of transparent cellulose aerogels. Sol-Gel 2019, Sol-Gel 2019, RU, 2019-08-25 to 08-30 🍷

Sivaraman Deeptanshu/Ganobjak Michal

Frozen clouds: biopolymer aerogels. ArtSci, Zürich, 2019-04-29 to 05-10 🍷

Wernery Jannis/Fantucci, Stefano/Brunner, Samuel

Session titel: Super Insulating Materials for Energy Efficient Buildings. SEB 2019, Budapest, HU, 2019-07-04 to 07-05 ▲

Wernery Jannis/Ben-Ishai, Avner/Binder, Bruno/Brunner, Samuel

THE AEROBRICK – a high-performance, aerogel-filled insulating brick. Future of Building, Vienna, AT, 2019-06-04 to 06-05 🍷 ○

Adobes-Vidal Maria/Marion Frey/Ingo Burgert/Tobias Keplinger

New Strategies for High Resolution Imaging of Plant Cell Walls by Atomic Force Microscopy. XV Cell Wall Meeting 2019, Cambridge, GB, 2019-07-07 to 07-12 🍷

Boons Rani

Development of CaCO₃ materials through bacteria embedded hydrogels. BIOMIN XV: 15th International Symposium on Biomineralization, Munich, DE, 2019-09-09 to 09-13 🍷

Burgert Ingo

Bioinspired wood materials. Bioinspired materials, Monte Verità, Ascona, 2019-10-20 to 10-25 🍷 ○

Burgert Ingo

Holz mit verbesserten und neuen Eigenschaften. Internationales Hozbau-Forum, Innsbruck, AT, 2019-12-04 to 12-06 🍷 ○

De France Kevin

Hierarchical Structuring of Nanocomposite Hydrogel Films Containing Cellulose Nanocrystals. Euromat, Stockholm, SE, 2019-09-01 to 09-05 🍷 ○

Frey Marion /Zirkelbach Meri/Dransfeld Clemens/Schneider Livia/Masania Kunal/Keplinger Tobias/Burgert Ingo

Tunable Wood and Design of High-Performance Cellulose Materials. MAP Graduate Symposium, Zürich, 2019-07-03 🍷

Frey Marion/Schneider Livia/Zirkelbach Meri/Dransfeld Clemens/Masania Kunal/Keplinger Tobias/Burgert Ingo

Densified Cellulose Materials and Delignified Wood Reinforced Composites. International Conference on Composite Materials (ICCM), Melbourne, AU AUSTRALIA, 2019-08-11 to 08-16 🍷

Geiger Thomas/Grüneberger, Franziska/Schmidt, J.-A.

Cellulose based systems for thermal insulation in buildings. Ligna, Hannover, DE, 2019-05-27 to 05-31 🍷

Goldhahn Christian

Stimuli-responsive bio-hybrid membrane material from natural resources. 6th International Conference on Multifunctional, Hybrid and Nanomaterials, Sitges, ES, 2019-03-11 to 03-15 🍷

Grönquist Philippe/Wood Dylan/Wittel Falk/Rüggeberg Markus

4D self-shaping mechanisms for achieving double-curved wooden structures. ECCOMAS CompWood 2019, Växjö, SE, 2019-06-17 to 06-19 🍷

Grönquist Philippe/Wittel Falk/Rüggeberg Markus

Modelling of self-shaping wood composites. Northern European Network for Wood Science and Engineering, Lund, SE, 2019-10-09 to 10-10 🍷

Guo Huizhang

Wood based building materials. 4th Euro Intelligent Materials 2019, Kiel, DE, 2019-06-17 to 06-19 🍷

Hausmann Michael

3D printing of Cellulose reinforced nano-composites with versatile properties. ACS Spring 2019 National Meeting and Exposition, Orlando, US, 2019-03-31 to 04-04 🍷

Keplinger Tobias Advanced Wood Materials – Rethinking the Use of Trees. Karelia Symposium, University of Eastern Finland, FI, 2019-04-08 ● ○
Lämmlein Sarah /Francis W.M.R. Schwarze/Ingo Burgert/D. Mannes Neutron imaging as tool for the study of spatial and time-dependent moisture sorption processes in varnished wood. 21st International Nondestructive Testing and Evaluation of Wood Symposium, Freiburg, DE, 2019-09-24 to 09-27 ◆
Nagel Matthias/Grüneberger Franziska/Schmidt J.-A./Senn W./Geiger Thomas Cellulose based systems for thermal insulation in buildings. Swiss Innovation Forum (SIF), Basel, 2019-09-21 ●
Nyström Gustav Cellulose nanofibrils: from single particle structure to multiscale material assembly. IMX seminar, Lausanne, EPFL, 2019-11-11 ● ○
Nyström Gustav Confinement-induced liquid crystalline transitions in amyloid fibril tactoids. APS March Meeting, Boston, US, 2019-03-04 to 03-08 ●
Nyström Gustav Soft functional nanocellulose biohybrid foams. 6th International Conference on Multifunctional, Hybrid and Nanomaterials, Sitges, ES, 2019-03-11 to 03-15 ●
Nyström Gustav Nanocellulose: from single particle structure to multiscale assembly of functional materials. ACS Spring Meeting, Orlando, US, 2019-03-31 to 04-04 ● ○
Nyström Gustav Cellulose-biohybrid foams – processing, properties and applications. TAPPI 2019 International Nanotechnology Conference for Renewable Materials, Chiba, JP, 2019-06-03 to 06-07 ●
Nyström Gustav Nanocellulose single fibril twisting, self-folding and ordering. Euromat, Stockholm, SE, 2019-09-01 to 09-05 ● ○
Nyström Gustav Bioinspired hierarchical nanocellulose foams. XVIII Brazil MRS Meeting, Balneario Camboriú, Santa Catarina, BR, 2019-09-22 to 09-26 ● ○
Pasqualini Alessia Biological control of internal decay in utility poles. ETH Research Data Management Summer School 2019, Zürich, 2019-07-04 to 07-07 ●
Rüggeberg Markus /Philippe Grönquist/Falk K. Wittel Smart self-forming wood for architecture and construction. 15th Annual Meeting of the Northern European Network for Wood Science and Engineering, Lund, SE, 2019-10-09 to 10-10 ●
Schubert Mark Einsatz maschinellen Lernens im Produktionsprozess von Holzfaserdämmstoffplatten. F&E Konferenz 2019 zum Thema Industrie 4.0, Rapperswil, 2019-01-24 ●
Schubert Mark Machine Learning – Neue Möglichkeiten für die Holzindustrie. RFA – Seminar: Digitalisierung im Bauwesen, Dübendorf, 2019-04-11 ●
Schubert Mark Using machine learning to deal with the complexity of wood. Future of Building 2019, Wien, AT, 2019-06-04 to 06-05 ● ○
Soppa Karolina/Carl E.S./Kohler K./Geiger Thomas Strengthen Methylcellulose with Nanocellulose for High Relative Humidity. 47th AIC Annual Meeting, Uncasville, CT, US, 2019-05-10 to 05-18 ●
Soutrenon Mathieu /Lucie Castens Vitanov/Edward Apebende/Thomas Geiger/Fritz Bircher 3D Printing of Ethylcellulose Implants by Solvent Jetting. Printing for Fabrication 2019 (35th International Conference on Digital Printing Technologies, NIP), San Francisco, CA, US, 2019-09-29 to 10-03 ●
Tran Ly Anh Data Management in "Melanin-based functional materials" project. ETH Research Data Management Summer School 2019, Zürich, 2019-07-04 to 07-07 ●
Zimmermann Tanja Bio-inspired 3D printed nanocellulose materials. XVIII Brazil MRS Meeting, Balneario Camboriú, Santa Catarina, BR, 2019-09-22 to 10-26 ● ○
German Alexander/Winnefeld Frank/Lura Pietro Hydration of MgO/hydromagnesite binders. GDCh-Tagung Bauchemie, Aachen, DE, 2019-09-30 to 10-02 ◆
Hargis Craig W./Lothenbach Barbara/Müller Christian/Winnefeld Frank Calcium sulfoaluminate cement expansion: effects of pore solution and crystallization pressures. 15th International Congress on the Chemistry of Cement (ICCC 2019), Prague, CZ, 2019-09-16 to 09-20 ●
Leemann Andreas CO ₂ absorption of concrete based on the boundary conditions of Switzerland. CO ₂ STO2019 – International Workshop CO ₂ Storage in Concrete, Paris, FR, 2019-06-24 to 06-26 ●

<p>Leemann Andreas Betontechnologische Massnahmen zur CO₂-Reduktion. Innovationen und Entwicklungen in der Baustoffrecyclingbranche, Bern, 2019-09-18 ● ○</p>
<p>Leemann Andreas/Borchers Ingmar/Shakoorioskooie Mahdih/Griffa Michele/Müller Christoph/Lura Pietro Microstructural analysis of ASR in concrete – accelerated testing versus natural exposure. RILEM SPRING CONVENTION and SUSTAINABLE MATERIALS, SYSTEMS AND STRUCTURES CONFERENCE, Rovinj, HR, 2019-03-18 to 03-22 ●</p>
<p>Leemann Andreas/Loser Roman/Winnefeld Frank/Cuchet Stéphane Testing sulfate resistance of concrete – limitations of acceleration. The 17th Euroseminar on Microscopy Applied to Building Materials, Toronto, CA, 2019-05-20 to 05-23 ●</p>
<p>Lothenbach Barbara Effect of carbonation on hydrate assemblage and pore solution. Workshop on concrete carbonation: from fundamental aspects to field assessments., Paris, FR, 2019-06-27 ● ○</p>
<p>Lothenbach Barbara Chemistry of cements. XINGDA lecture, Beijing, CN, 2019-11-22 ● ○</p>
<p>Lothenbach Barbara/Zajac Maciej Application of thermodynamic modelling to hydrated cements. 15th International Congress on the Chemistry of Cement (ICCC 2019), Prague, CZ, 2019-09-16 to 09-20 ● ○</p>
<p>Lothenbach Barbara/Winnefeld Frank Hydrates in blended and non-Portland cements. 1st International Conference on Innovation in Low-Carbon Cement and Concrete technology (ILCCC), London, GB, 2019-06-24 to 06-26 ● ○</p>
<p>Lothenbach Barbara/De Weerd Klaartje Thermodynamic Modeling of Cementitious Systems. 6th GEMS Workshop for PHD students, Dübendorf, 2019-06-18 to 06-21 ■</p>
<p>Lura Pietro/Wyrzykowski Mateusz/Justs Janis/Hu Zhangli/Zhong Peihua Volume changes and water distribution in internally-cured High-Performance and Ultra-High-Performance Concrete (keynote lecture). XXVIII Scientific and Technological Conference of Latvian Concrete Association, International Exhibition Centre RTU-BT1, Riga, LV, 2019-11-06 ● ○</p>
<p>Lura Pietro/Heuberger Manfred Empa PhD & POSTDOC Program. Publishing in Science. How to write good scientific publications, Empa Akademie, Dübendorf, 2019-11-14 ■ ○</p>
<p>Lura Pietro/Wyrzykowski Mateusz/Terrasi Giovanni Self-prestressing with expansive concrete and CFRP tendons (plenary lecture). International Conference on Innovative Materials for Sustainable Civil Engineering, Nanjing, CN, 2019-08-26 to 08-30 ● ○</p>
<p>Lura Pietro/Wyrzykowski Mateusz/Justs Janis/Hu Zhangli/Zhong Peihua Volume changes and water distribution in internally-cured High-Performance and Ultra-High-Performance Concrete (keynote lecture). SAP 2019 – Third International RILEM Conference on the Application of Superabsorbent Polymers and Other New Admixtures Towards Smart Concrete, Skukuza, ZA, 2019-11-25 to 11-26 ● ○</p>
<p>Maruyama Ippei/Lura Pietro Properties of early-age concrete relevant to cracking in massive concrete. 15th International Congress on the Chemistry of Cement (ICCC 2019), Prague, CZ, 2019-09-16 to 09-20 ● ○</p>
<p>Pedersen Malene Thostrup/Lothenbach Barbara/Winnefeld Frank/Skibsted Jörgen Calcium sulfoaluminate cement incorporating calcined clay and limestone – effect on hydrate phase assemblage and hydration kinetics. 1st International Conference on Innovation in low-carbon Cement & Concrete Technology, London, GB, 2019-06-24 to 06-26 ●</p>
<p>Weber Benedikt Open issues in modelling concrete at high temperature. 6th International Workshop on Concrete Spalling due to Fire Exposure, Sheffield, GB, 2019-09-19 to 09-20 ●</p>
<p>Winnefeld Frank/Epifania Eugenia/Montagnaro Fabio/Gartner Ellis Hydration of MgO in the presence of hydromagnesite. RILEM International Conference on Sustainable Materials, Systems and Structures (SMSS2019), Rovinj, HR, 2019-03-20 to 03-22 ●</p>
<p>Winnefeld Frank/Epifania Eugenia/Montagnaro Fabio/Gartner Ellis New insights into the hydration of cementitious materials based on magnesium carbonates. 1st International Conference on Innovation in low-carbon Cement & Concrete Technology, London, GB, 2019-06-24 to 06-26 ● ○</p>
<p>Winnefeld Frank/Hargis Craig/Leemann Andreas/Lothenbach Barbara Synthesis and hydration of ye'elimite doped with Na and Fe. 15th International Congress on the Chemistry of Cement (ICCC 2019), Prague, CZ, 2019-09-16 to 09-20 ●</p>
<p>Winnefeld Frank/Plank Johann/Stephan Dietmar/Wache Steffen/Weichold Oliver/Zurbriggen Roger GDCh-Tagung Bauchemie, Aachen, DE, 2019-09-30 to 10-02 ■</p>
<p>Wyrzykowski Mateusz/Justs Janis/Bajare Diana/Lura Pietro Internal curing of UHPC with superabsorbent polymers. International Conference on Innovative Materials for Sustainable Civil Engineering, Nanjing, CN, 2019-08-26 to 08-30 ● ○</p>

<p>Wyrzykowski Mateusz/Boschoff Billy/Mechtcherine Viktor SAP 2019 – Third International RILEM Conference on the Application of Superabsorbent Polymers and Other New Admixtures Towards Smart Concrete, Skukuza, ZA, 2019-11-25 to 11-26 ■</p>
<p>Blugan Gurdial Development of polymer derived Sioc ceramics as an implant biomaterial – ID 798. ECerS: Europ. Ceramic Conference, Torino, IT, 2019-06-16 to 06-20 ●</p>
<p>Blugan Gurdial/Vallachira, Pradeep/Kübler, Jakob Fabrication of poly derived ceramic microcomponents by maskless lithography. Shaping 7 conference, Aveiro, PT, 2019-09-10 to 09-13 ●</p>
<p>Blugan Gurdial/Vallachira Warriam, Pradeep/Kuebler, Jakob High-precision micro-manufacturing of polymer derived ceramics (PDCs). DKG: D-A-CH Keramiktagung, Leoben, AT, 2019-05-05 to 05-09 ●</p>
<p>Blugan Gurdial Low cost 3D printing of advanced ceramics. EMRS, Warsaw, PL, 2019-09-16 to 09-18 ●○</p>
<p>Borlaf Mario/Serra, Albert/Graule, Thomas Development of UV-curable ZrO₂ slurries for digital light processing. ECerS: Europ. Ceramic Conference, Torino, IT, 2019-06-16 to 06-20 ●</p>
<p>Borlaf Mario/Serra, Albert/Graule, Thomas Digital light processing of ZrO₂ and Al₂O₃-ZrO₂ UV-curable slurries. EUROMAT, Stockholm, SE, 2019-09-01 to 09-05 ●</p>
<p>Braun Artur How to Obtain Bulk Sensitive Soft X-Ray Spectra Operando From Lithium-Ion Batteries. MRS Spring Meeting 2019. Session Title: ES02.03: Advanced Characterization, Phoenix AZ, US, 2019-04-23 ●</p>
<p>Braun Artur Intermediates in PEC water oxidation – how they come and how they go. MRS Spring Meeting 2019. Session Title: ES11.02: Metal Oxides, Phoenix AZ, US, 2019-04-23 ●</p>
<p>Braun Artur Proton Transport in Solid Electrolytes Under High Pressure. MRS Spring Meeting 2019. Session Title: ES03.02: Expanding High Performance Energy Storage Materials for Safe and Durable Extreme Applications, Phoenix AZ, US, 2019-04-23 ●</p>
<p>Braun Artur "Good" and "Bad" Defects at Interfaces and Surfaces of Water Splitting Photoelectrodes. MRS Spring Meeting 2019. Session Title: CP04.06: Surface-Driven Phenomena, Phoenix AZ, US, 2019-04-24 ●</p>
<p>Braun Artur Bio-Inspired Water Oxidation Photoelectrode Based on Photonic Moth-Eye Architecture. MRS Spring Meeting 2019. Session Title: SM07.08: Bioinspired Materials—From Basic Discovery to Biomimicry VII, Phoenix AZ, US, 2019-04-24 ●</p>
<p>Braun Artur Mathematical Modelling Beyond Computation—An Example on Epitaxial Growth of Magnetic Films for Tailoring of Magnetic Anisotropy. MRS Spring Meeting 2019. Session Title: CP09.03: Evolution of Interfaces and Grain Growth, Phoenix AZ, US, 2019-04-24 ●</p>
<p>Braun Artur Intermediates in PEC water oxidation – how they come and how they go. E-MRS Spring Meeting 2019, Nizza, FR, 2019-05-27 ●○</p>
<p>Braun Artur Plenary Talk on the SUNRISE Flagship Initiative. International Conference "Solar / Fuel Cells: Energy Systems (Energy Supports, Energy Storage and Energy Conversion)", Mersin, TR, 2019-06-13 ●○</p>
<p>Braun Artur Panel Speaker on Power Fuels. https://www.dena.de/en/newsroom/meldungen/2019/global-alliance-power-fuels-presents-guidelines-for-market-development/, Bruxelles, BE, 2019-06-17 ●○</p>
<p>Braun Artur Plenary Talk on the SUNRISE Flagship Initiative. Diplomatic Reception at the Future Africa Campus at University of Pretoria – Solar Energy for a Circular Economy, Pretoria, ZA, 2019-07-30 ●○</p>
<p>Braun Artur Keynote Speech on Solar Energy and the EU SUNRISE Flagship. Energy Storage and Industry 4.0: Challenges and Prospects, Pilanesberg, ZA, 2019-07-31 ●○</p>
<p>Braun Artur Keynote Talk on Photoelectrochemical Cells and SUNRISE flagship. 70th ISE Meeting, Durban, ZA, 2019-08-05 ●○</p>
<p>Braun Artur/Toth Rita/Biasi Pierdomenico/Haussener Sophia Swiss Stakeholder Workshop for the SUNRISE H2020 FET-Flagship project. Swiss Stakeholder Workshop for the SUNRISE H2020 FET-Flagship project, Dübendorf, 2019-09-27 ■</p>
<p>Braun Artur/Rozhkov Elena/Braun Artur/Ariga Katsuhiko/Gaillard Nicolas/Nam Yoon Sung Recent Trends and Advances in Artificial Photosynthesis. The International Chemical Congress of Pacific Basin Societies 2020, Honolulu, Hawaii, US, 2020-12-15 to 2020-12-20 ■</p>

Clemens Frank	Development of thermoplastic monofilaments for the 3D printing of sensor structures. Workshop der Forschungsinitiative SUBITEX, St. Gallen, 2019-03-18 🍷 ○
Clemens Frank	Thermoplastische keramische Formgebung – vom Spritzguss zum 3D Druck auf konventionellen FDM Druckern. TU Koblenz, Höhr-Grenzhausen, DE, 2019-04-10 🍷 ○
Clemens Frank	Additive Fertigung von Keramiken auf Consumer-Markt üblichen FDM 3D Druckern. Additive Fertigung keramischer Bauteile, Meckenheim, DE, 2019-05-22 to 05-23 🍷 ○
Clemens Frank	Development of piezoresistive elastomer sensors based on nano carbon material for health monitoring and robotic applications. COST Action 15107, Scientific Workshop, Prag, CZ, 2019-09-11 to 09-13 🍷 ○
Clemens Frank/Melnykowycz Mark/Georgopoulou-Papadonikolaki Antonia	Development of piezoresistive elastomer sensors based on nano carbon material for health monitoring and robotic applications. COST Action 15107, Scientific Workshop, Prague, CZ, 2019-09-12 to 09-13 ◆
Clemens Frank/Tonello Riccardo/Abbatinali Edoardo/Gorjan Lovro/Sebastian Tutu/Colombo Paolo	Mullite honeycomb ceramics structures made by Fused Deposition Modelling (FDM) 3D printing using preceramic polymers. ECERS XVI Conference of the Euro. Ceram. Soc., Torino, IT, 2019-06-16 to 06-20 🍷 ○
Clemens Frank/Tonello, R./Abbatinali, E./Gorjan, L./Sebastian, T./Colombo, P.	Mullite honeycomb ceramics structures made by fused deposition modelling (FDM) 3D Printing using preceramic polymers. ECerS: Europ. Ceramic Conference, Torino, IT, 2019-06-16 to 06-20 🍷 ○
Conti Laura	Lithography-based Ceramic Manufacturing: A comparison between commercial zirconia and an experimental developed slurry. DKG: D-A-CH Keramiktagung, Leoben, AT, 2019-05-05 to 05-09 ◆
Gorjan Lovro/J. Schulz/C. Galusca/M. Sami/F. Clemens	Debinding and sintering of dense layered ceramic structures made with fused deposition modeling. Shaping 7 conference, Aveiro, PT, 2019-09-10 to 09-13 🍷
Gorjan Lovro/Christina Galusca/Lukas Reiff/Marwa Sami/Fateme Sarraf/Frank Clemens	Effect of stearic acid amount on rheological properties of ceramic feedstocks for fused filament fabrication. ECERS XVI Conference of the Euro. Ceram. Soc., Torino, IT, 2019-06-16 to 06-20 🍷
Gorjan Lovro/Galusca, C./Reiff, L./Sami, M./Sebastian, T./Clemens, F.	Effect of stearic acid amount on rheological properties of ceramic feedstocks for fused filament fabrication. ECerS: Europ. Ceramic Conference, Torino, IT, 2019-06-16 to 06-20 🍷
Gorjan Lovro	Mullite structures made with fused deposition modeling of silica forming preceramic polymer and γ -alumina. DKG: D-A-CH Keramiktagung, Leoben, AT, 2019-05-05 to 05-09 🍷
Gorjan Lovro/Abbatinali Edoardo/Tonello Riccardo/Sebastian Tutu/Colombo Paolo/Frank Clemens	Mullite structures made with fused deposition modeling of silica forming preceramic polymer and γ -alumina. 94. DKG Jahrestagung & Symposium Hochleistungskeramik 2019, Leoben, AT, 2019-05-05 to 05-09 🍷
Graule Thomas	Organisation of Conference. ECerS: Europ. Ceramic Conference, Torino, IT, 2019-06-16 to 06-20 ▲ ○
Graule Thomas/Borlaf, M./Aegerter, D./Fabbri, E./Schmidt, T.-J./Graule, T.	Flame spray synthesis for the production of highly active nanocatalyst for oxygen evolution reaction. ECerS: Europ. Ceramic Conference, Torino, IT, 2019-06-16 to 06-20 ◆ ○
Graule Thomas/Borlaf, M./Serra, A.	Lithography based shaping of UV-curable ZrO ₂ slurries. DKG: D-A-CH Keramiktagung, Leoben, AT, 2019-05-05 to 05-09 🍷 ○
Graule Thomas/Domagala, Kamila/Schabikowski, Mateusz/Michen, Benjamin/Szekeres, Gergő: Németh, Zoltan/Schrantz, Krisztina/Traber, Jacqueline/Pronk, Wouter/Hernádi, Klara/Kata, Dariusz	Interface modification for the adsorption of viruses on porous ceramics structures and nanofibers. Asian Powder Metallurgy Conference: Plenarvortrag, Pune, IN, 2019-02-19 to 02-21 🍷 ○
Graule Thomas/Domagala, Kamila/Schabikowski, Mateusz/Szekeres, Gergo/Németh, Zoltan	Interface modification for the adsorption of viruses on porous ceramics structures and nanofibers. University of the Philippines: Seminarvortrag, Manila, PH, 2019-03-04 🍷 ○
Graule Thomas/Ozog, P./Bienenstein, D./Conti, L./Pfeiffer, S./Borlaf, M.	Additive Manufacturing of Ceramics and nanopowder technology. Asian Powder Metallurgy Conference: Plenarvortrag, Pune, IN, 2019-02-19 to 02-21 🍷 ○
Graule Thomas/Ozog, P./Zubrzycka, P./Conti, L./Pfeiffer, S./Borlaf, M.	Colloid Chemistry – a need for Additive Manufacturing of Ceramics. Shaping 7 conference, Aveiro, PT, 2019-09-10 to 09-13 🍷 ○
Graule Thomas/Ozog, Paulina/Bienenstein, Daniel/Serra, Albert/Borlaf, Mario/Conti, Laura/Pfeiffer, Stefan	Additive Manufacturing of Ceramics and nanopowder technology. Indian Institute of Technology: Seminarvortrag, Mumbai, IN, 2019-02-22 🍷 ○

<p>Ligon S. Clark/Gurdial Blugan/Marie-Claude Bay/Corsin Battaglia/Meike V. F. Heinz/Thomas Graule Comparison of β''-Al₂O₃/YSZ Solid Electrolytes produced by direct sintering and by vapor conversion of α-Al₂O₃/YSZ. Swiss Battery Days, Dübendorf, 2019-08-26 to 08-28 ◆</p>
<p>Ligon S. Clark/Gurdial Blugan/Jakob Kuebler Lithographic processing of silazanes for the fabrication of ceramic micro-components. DKG: D-A-CH Keramiktagung, Leoben, AT, 2019-05-05 to 05-09 ●</p>
<p>Lovro Gorjan/Sebastian Tutu/Schulz Josef/Galusca Christina/Reiff Lukas/Sami Marwah/Sebastian Tutu/Clemens Frank Debinding and sintering of dense layered ceramic structures made with fused deposition modeling. Shaping 7, Aveiro, PT, 2019-09-11 to 09-13 ●</p>
<p>Naikade Manoj/Graule, T. Making high temperature composites by liquid metal-alloy infiltration. Asian Powder Metallurgy Conference: Plenary Vortrag, Pune, IN, 2019-02-19 to 02-21 ●</p>
<p>Naikade Manoj/Naikade, M./Weber, L./Ortona, A./Graule, T. Studying the mechanism of reactive infiltration of silicon and eutectic Si-Zr alloy in carbon using innovative laser-ablated microchannels and radiography experiment. Winter Workshop of ECerS American Ceramic Society, Daytona, US, 2019-01-27 to 01-29 ● ○</p>
<p>Naikade Manoj/Naikade, M./Weber, L./Ortona, A./Graule, T. Studying the mechanism of reactive infiltration of silicon and eutectic Si-Zr alloy in carbon using innovative laser-ablated microchannels and radiography experiment. ECerS: Europ. Ceramic Conference, Torino, IT, 2019-06-16 to 06-20 ●</p>
<p>Ozog Paulina/Kata, D. 3-dimensional shaping of AlN-based slurries by UV-LCM technology. young Ceramists Additive Manufacturing Forum (yCAM) 2019, Mons, BE, 2019-04-03 to 04-05 ●</p>
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<p>Sebastian Tutu/Clemens Frank Kinetic Modelling for Debinding and Sintering Process of Ceramics. 2. Meeting SVMT expert group „Powder Technology“, Fribourg, 2019-12-04 ● ○</p>
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<p>Kovac Mirko A tether-powered automatic scanning system for repetitive monitoring. IEEE ICRA 2019, Montreal, CA, 2019-05-20 to 05-24 ● ○</p>
<p>Kovac Mirko Aerial Robotic Manipulation and Manufacturing. Robotics Science and Systems, Freiburg, DE, 2019-07-12 to 07-16 ● ○</p>

Kovac Mirko	Aerial Robotic Manipulation and Manufacturing. Robotics Science and Systems, Freiburg, DE, 2019-07-12 to 07-16 🍷 ○
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Miriyev Aslan	Materials for Robotics. MRS 2019 Fall, Boston, US, 2019-12-02 to 2-05 🍷 ○
Miriyev Aslan	Materials for Soft Robotics. Active Matter for Soft Robotics, Brussels, BE, 2019-10-02 to 10-04 🍷 ○
Siddall Rob/Hai-Nguyen Nguyen/Robert Siddall /Brett Stephens /Alberto Navarro-Rubio and Mirko Kovac	A Passively Adaptive Microspine Grapple for Robust, Controllable Perching. IEEE RoboSoft 2019, Seoul, KR, 2019-04-14 to 04-19 🍷
Hugener Martin	RILEM TC-264 RAP Asphalt Pavement Recycling – Update on Rejuvenators. Use of rejuvenators in asphalt mixtures, Padova, IT, 2019-09-10 to 09-11 🍷 ○
Hugener Martin/Hailesilassie Biruk W./FENG Xing/PARTL Manfred N.	Simple method to study the growth of bitumen foam bubbles. 8th EATA Conference (European Asphalt Technology Association), Granada, ES, 2019-06-03 to 06-05 ◆
Kakar Muhammad Rafiq/Zakariaa Refaa/Jörg Worlitschek/Anastasia Stamatou/Manfred N Partl/Moisés Bueno	Impregnation of Lightweight Aggregate Particles with Phase Change Material for Its Use in Asphalt Mixtures. International Symposium on Asphalt Pavement & Environment (ISAP 2019 APE Symposium), Padua, IT, 2019-09-11 to 09-13 🍷
Poulikakos Lily	RILEM Technical Committee TC-252 CMB. Chemo-Mechanical Characterization of Bituminous Materials. RILEM Week Nanjing August 2019, Nanjing, CN, 2019-08-25 to 08-30 🍷 ○
Poulikakos Lily	The chemistry of bitumen microstructures. 4th European forum on nano scale IR, Amsterdam, NL, 2019-09-11 to 09-12 🍷 ○
Poulikakos Lily	100% Recycled High Modulus Asphalt Concrete. HIGH PERFORMANCE ASPHALT MATERIALS symposium, Waterloo, CA, 2019-10-02 🍷 ○
Poulikakos Lily	Environmental Impact of Bituminous Pavements. ACI Bitumen summit, London, GB, 2019-10-09 to 10-10 🍷 ○
Poulikakos Lily	Multi Scale Evaluation of Asphalt Pavements. Seminario Proyecto SMG 1801, Santiago and Concepcion, CL, 2019-10-14 to 10-17 🍷 ○
Raab Christiane/Bensa Cédric/Partl Manfred	100% Recycling of Low-Temp Asphalt for Minor Roads –Lab Compaction and Traffic Simulation. 5th International Symposium on Asphalt Pavements & Environment (APE), Padova, IT, 2019-09-11 to 09-13 🍷 ○
Raab Christiane/B. Golchin/M.O. Hamzah	Effects of a surfactant-wax additive on the based on the activation energy and aging index of asphalt binders. 7th ICONBMP, Thessaliniiki, GR, 2019-06-12 to 06-14 🍷 ○
Raab Christiane/O. Abd El Halim Abd El Halim/A. R. Chelliah	Improving pavement's properties using the AMIR II compactor. 7th ICONFBMP, Thessaliniiki, GR, 2019-06-12 to 06-14 🍷 ○
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Zaumanis Martins	Scientific Writing, Communication and Visualization. SaferUp! Week, Bologna, IT, 2019-04-01 to 04-05 🍷 ○

**Road Engineering/
Sealing Components**

Zaumanis Martins

Towards 100% RA mixes – Mix evaluation and need of balanced mix design. EAPA Workshop on the Use of Rejuvenators in Asphalt Mixtures, Padua, IT, 2019-09-10 to 09-11 🗨️ ○

Zaumanis Martins

Three lessons for improving quality of mixtures with high recycled asphalt pavement content. 2nd Asphalt Innovation Symposium, Antwerp, BE, 2019-12-12 🗨️ ○

Corporate Services

**Finances/Controlling/
Purchasing**

Sauer Juliane

Career Development, Dübendorf, 2019-04-15 ■

Volkwein Axel/Gerber Werner/Klette Johannes/Spescha Georg

Approval of Flexible Rockfall Protection Systems according to ETAG 027 – a review. European Geosciences Union, General Assembly, Vienna, AT, 2019-04-07 to 04-12 ♦