

Empa Activities 2014

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Empa Activities 2014

Awards

Advanced Fibers

Empa – Swiss Federal Laboratories for Materials Science and Technology

Prix Balance des Kantons Zürich (Vereinbarkeit Arbeit und Beruf)

Blanchard, Noémi, Hegemann Dirk/ Heuberger Manfred

1st Place Presentation Award at the Empa PhD Student's Symposium 2014

Kwon, Hansang, Kim Seungjin/ Kim Kyungju/ Kim Kwonhoo/ Leparoux Marc/ Kawasaki Akira/ Kwon Hansang

Best Presentation Award 2014 – MM&FGMs-2014, October 19–22, Brazil

Reinke, Michael, Kuzminykh Yury/Hoffmann Patrik

3rd Best Presentation, Empa PhD Symposium, St. Gallen

Reinke, Michael, Kuzminykh Yury/Hoffmann Patrik

Best Presentation Award, 1st Belux workshop on Coating, Materials, Surfaces and Interfaces

Air Pollution / Environmental Technology

Brunner, Dominik, Will Sawyer/ Franziska Glassmeier/ Joseph Charles/ Lea Giordano/ Anne Roches/ and Isabelle Bey

«Best Poster» in the category «Climate» at the PASC14 conference, ETH Zurich, Switzerland, 2–3 June

Harris, Eliza, Wolf Benjamin/ Zeyer Kerstin/ Tuzson Béla / Emmenegger Lukas/ Mohn Joachim

«Best oral presentation» at 49th Advanced Global Atmospheric Gases Experiment meeting (AGAGE49)

Hügli, Christoph, Putaud J-P. /Raes F./Van Dingenen R. /Brüggemann E. /Facchini M.C./Decesari S. /Fuzzi S. /Gehrig R./Laj P./Lorbeer G./Maenhaut W./Mihalopoulos N./Müller K. /Querol X./Rodriguez S./Schneider J. /Spindler G./ten Brink H./Tørseth K./Wiedensohler A.

Hagen Smit Prize, in recognition of an outstanding paper published in Atmospheric Environment.

Mangold, Markus, Tuzson Béla/ Emmenegger Lukas

1st Runner Up for Best Innovation at Photonics Europe Innovation Village

Analytical Chemistry

Diefenbacher, Pascal, Bogdal Christian/ Gerecke Andreas Christian/ Schmid Peter/ Scheringer Martin/ Hungerbühler Konrad

Otto Hutzinger Award for outstanding student presentation at the 34th International Symposium on Halogenated Persistent Organic Pollutants (Dioxin 2014)

Durdina, Lukas, Brem Benjamin/ Abegglen Manuel/ Sierau Berko/ Wang Jing

Best poster award at the 18th ETH-Conference on Combustion Generated Nanoparticles

Applied Wood Materials

Ho, Thi Thu Thao, Zimmermann Tanja

Bronze Medal Award for the third best PhD thesis in the competition in 2013–2014, presented by the International Academy of Wood Science

Tingaut, Philippe, Zimmermann Tanja/ Rentsch Daniel/ Sèbe G./ Zhang Z.

1st price of the Pollutec contest, France

Bioactive Materials

Ren, Qun, Stiefel Philipp/ Altenried Stefanie/ Thöny-Meyer Linda/ Ren Qun

The 2nd Poster Prize, The perfect slime. Essen, DE

Building Science and Technology

Evins, Ralph, Allegrini Jonas/ Moonen Peter

Best Paper Award, 1st place, Building Simulation and Optimisation conference, London, UK

Koebel, Matthias

Honorary Professorship title, Changzhou University, Changzhou, CN

Parada, Marcelo

Best Paper Award, 3rd place at the Fiber Society Spring Conference 2014, CZ

Thomas, Stahl, Samuel Brunner/ Matthias Koebel/ Mark Zimmerman from Empa and Severin Hartmeier from Fixit

Umweltpreis der Schweiz (Kategorie Innovation)

Center for Synergetic Structures

Luchsinger, Rolf

Venture Kick 2014

Yang, Fei

1st Place Poster Award, Empa PhD Students' Symposium 2014

Functional Polymers

Quinsaat, Jose-Enrico, Mihaela Alexandru/ Andrea Testino/ Paul Bowen/ Frank Nüesch/ Heinrich Hofmann/ Dorina Opris

2nd Place Presentation Award, Empa PhD Student's Symposium 2014

Tisserant, Jean-Nicolas, Roland Hany/ Frank Nüesch/ Raffaele Mezzenga/ Jakob Heier

Graduate Student Award 2014, E-MRS

High Performance Ceramics

Boudoire, Florent

E-MRS Graduate Student Award, 2014, Lille, FR

Chen, Qianli

Alexander-von-Humboldt-Forschungsstipendium

**High Performance
Ceramics**

Chen, Qianli

Swiss Neutron Society Young Investigator Award 2014 for the PhD thesis

Fröhlich, Katja

Prix du meilleur Project de Master 2014 hors EPFL en Science et génie des matériaux, EPFL Lausanne

Knies, Franziska

1st Place Audience Award @ Empa PhD Students' Symposium, St. Gallen

Michalow-Mauke, Katarzyna

Award for the best poster presentation, Swiss Chemical Society, ETH Zürich

Hydrogen and Energy

Mauron, Philippe

Poster Award, 14th International Symposium on Metal-Hydrogen Systems, Manchester, UK

Stadie, Nicolas, Callini Elsa/Borgschulte Andreas/Züttel Andreas

Best Poster Award on the 14th International Symposium on Metal-Hydrogen Systems, Salford Quays in Greater Manchester, UK

Züttel, Andreas

Hydrogen & Energy award, 8th International Symposium on Hydrogen & Energy 16. February 2014, Zhaoqing, P.R. CN

**Hydrogen and Energy/
Functional Polymers**

Braun, Artur, Boudoire Florent/Toth Rita/Heier Jakob

Listed in the US-journal «Foreign Policy» as one of the «100 Leading Global Thinkers 2014» in innovation

**Joining Technologies and
Corrosion**

Beni, Alessandra, Krzysztof Galazka/ Sascha Populoh1/ Leyre Sagarna/ Lassi Karvonen/ Wenjie Xie/ Patrik Schmutz/ Jürg Hulliger/ Anke Weidenkaff

Best conference paper and front cover of Physica Status solidi A

Janczak-Rusch, Jolanta

Nominierung zur Titularprofessorin der technischen Wissenschaften der Polnischen Republik

Leinenbach, Christian, M.C.J. Marker/ L.I. Duarte/ C. Leinenbach/ K.W. Richter

Best Paper Award 2014, APDIC (Alloy Phase Diagram International Commission)

Leinenbach, Christian, A.B. Spierings/ C. Kenel/ K. Wegener/

Best Paper Award, Solid Free Form Symposium 2014

Leinenbach, Christian, Lee Wookjin/ Brönnimann Rolf/ Motavalli Masoud/ Weber Benedikt/ Shahverdi Moslem/ Czaderski Christoph

Empa Innovation Award 2014

**Joining Technologies/
Corrosion/Structural
Engineering/Reliability
Science and Technology**

Millan, C., Millan, C./ Cavalli, E./ Ammann, P./ Häller, A./ Yang, Y./ Groth, T./ Maniura-Weber, K./ Zenobi-Song, M.

Best oral presentation, 2th Annual Meeting of the Swiss Society for biomaterials and Regenerative Medicine, 05-07 thru 08

**Materials-Biology
Interactions**

Muoth, Carina, Tina Buerki-Thurnherr/ Liliane Diener/ Peter Wick

Best talk award, Young Scientist Forum, Sicily, IT

Roesslein, Matthias, Elliott, J.T./ Song, N.W./ Kinser-Ovaskainen, A./ Hirsch, C./ Hole, P./ Sillence, K./ Rossi, F./ Wick, P.

Best Poster, CLINAM/ 06-23 thru 25

Schipanski, Angela, Mouth, C./Schipanski, A./Bürki, T./Rottmar, M./Wick, P./Maniura-Weber, K.

2nd best oral presentation, NANOTOX 2014, 7th International Nanotoxicology Congress, 04-23 thru 26

**Materials for Energy
Conversion**

Thiel, Philipp

Best Poster Award, International Symposium on the Reactivity of Solids, ISRS-18

**Mechanical Integrity of
Energy Systems**

Delpero, Tommaso

ETH Medal

Mazza, Edoardo

Goldene Eule ETH Zürich

**Mechanical Systems
Engineering**

Terrasi, Giovanni P., Meier Urs

The CICE 2014 Award for BEST PAPER on FRP in New Construction, 20–22 August 2014, Vancouver, British Columbia, CA

**Nanoscale Materials
Science**

Patscheider, Jörg

Fellow of the American Vacuum Society (AVS)

nanotech@surfaces

Deniz, Okan, Sánchez Carlos/ Widmer Roland/ Fasel Roman/ Ruffieux Pascal

Poster prize at IUVSTA Workshop on Nanostructures on two dimensional solids

**Reliability Science and
Technology**

Freese, Andreas, Grossmann Günter (Betreuer), Holdener Simon/ Roth Manuel, Lehrlinge Lab 405

2. Platz Publikumspreis Lehrlingswettbewerb Zürcher Oberland 2014

Jacob, Peter

Best Paper Award ESD-Forum

**Road Engineering/
Sealing Components
Structural Engineering**

Partl, Manfred, Ghafoori Roozbahany Ehsan/ Witkiewicz/ Patryk Jakub

Best paper award 2013 of Journal of "Road Materials and Pavement Design" RMPD

Boschmann, Caroline

SIA - Semester project, 1st price FEB Fachgruppe für die Erhaltung von Bauwerken

Structural Engineering

Ghafoori, Elyas

2014 ASME Swiss Section Young Engineer - Finalist, ASME Swiss Section Annual General Meeting 22 October 2014

Janke, Lars

Dissertation «mit Auszeichnung», Bauhaus-Universität Weimar / Fakultät Bauingenieurwesen

Technology and Society

Notter, Dominic

ACS Certificate of Merit

Restrepo, Eliette, Restrepo Eliette/ Widmer Rolf/ Wäger Patrick

Excellent Research Award for Oral Presentation from the Japan Society of Material Cycles and Waste Management

Nowack, Bernd

Listed in «The World's most influential scientific minds 2014», Thomson Reuters

Thin Films and Photovoltaics

Bissig, Benjamin, P. Reinhard/ F. Pianezzi / S. Nishiwaki/ H. Hagendorfer/ S. Buecheler/ A. N. Tiwari

E-MRS 2014 Spring Meeting. Poster Award "In recognition of best presentation during EMRS 2014 Symposium A"

Fuchs, Peter

Poster award, E-MRS 2014 SPRING MEETING, Lille, FR

Kranz, Lukas

ABB Preis: Forschungspreis für die beste Doktorarbeit

Kranz, Lukas, Jäger Timo/ Reinhard Patrick/ Hagendorfer Harald/ Romanyuk Yaroslav/ Buecheler Stephan/ Tiwari Ayodhya

Best Poster Award, MRS Fall Meeting 2013, Boston, US

Pianezzi, Fabian, in Zusammenarbeit mit der Abteilung 207

Medal of ETH for doctoral thesis

Reinhard, Patrick

E-MRS young scientist award, E-MRS 2014 SPRING MEETING in Lille, FR

Empa Activities 2014

PhD Theses

Acoustics/Noise Control

Churchill, Claire

Direct and Flanking Transmission in Combined Heavyweight and Lightweight Structures
Supervisor: Gibbs, Barry
Co-Supervisor: Eggenschwiler, Kurt
University of Liverpool, Acoustics Research Unit, GB ◆

Rietdijk, Frederik

Auralization of Aircraft Noise
Supervisor: Kropp, Wolfgang
Co-Supervisor: Heutschi, Kurt
Chalmers, Applied Acoustics, Gothenburg, SE ◆

Zellmann, Christoph

Entwicklung eines semi-empirischen Modells zur Beschreibung der Schallemission ziviler Großflugzeuge in Abhängigkeit vom Flugzustand
Supervisor: Paschereit, Christian-Oliver
Co-Supervisor: Wunderli, Jean Marc
Technische Universität Berlin, Institut für Strömungsmechanik und technische Akustik, Berlin, DE ◆

Advanced Fibers

Blanchard, Noemi

Kinetic adsorption trapping via vertical chemical gradients
Supervisor: Heuberger, Manfred
Co-Supervisor: Hegemann, Dirk
ETH Zürich, Department of Materials ◆

Gradzik, Boguslawa

Synthesis and properties of fiber-forming polyesters from renewable raw materials
Supervisor: El Fray, Mirosława
Co-Supervisor: Hufenus, Rudolf
West Pomeranian University of Technology, Polymer Institute, Szczecin, PL ◆

Liang, Shuyu

Organophosphorus flame retardants and their gas phase reactive intermediates: a comprehensive study applying synchrotron VUV radiation
Supervisor: Grützmacher, Hansjörg
Co-Supervisor: Gaan, Sabyasachi
ETH Zürich, Departement Chemie und Angewandte Biowissenschaften ◆

Medvecka, Veronica

Plasma assisted processing of inorganic nanofibers
Supervisor: Cernak, Mirko
Co-Supervisor: Hegemann, Dirk
Comenius University Bratislava, Department of Experimental Physics ◆

Naeimirad, Mohammadreza

Microfluidic properties of melt-spun liquid-filled filaments
Supervisor: Zadhoush, Ali
Co-Supervisor: Leal, Andrés
Isfahan University of Technology, Textile Engineering, Isfahan, IR ◆

Zachariah, Zita

Interfacial Structure in electrical double layers and crystallization in Nanometer pores
Supervisor: Heuberger, Manfred
Co-Supervisor: Espinosa-Marzal, Rosa
ETH Zürich, LSST, Department of Materials ◆

Advanced Materials Processing

Infante, Daniel

Chinese Mirror - smooth optical effects
Supervisor: Herzig, Hans-Peter
Co-Supervisor: Hoffmann, Patrik
EPF Lausanne, Optics and Photonics Technology Laboratory ○

Kallip, Kaspar

Metal matrix nano composite materials
Supervisor: Kollo, Lauri
Co-Supervisor: Leparoux, Marc
Tallinn University of Technology, Faculty of Mechanical Engineering/Department of Materials Engineering, Ehitajate tee 5, 19086 Tallinn, EE ◆

Le Dantec, Marie

Light initiated drying and melting of silicon powder
Supervisor: Hoffmann, Patrik
Co-Supervisor: Leparoux/Vaucher, Marc/Sebastien
EPF Lausanne, Photonic Materials and Characterization LPMAT ◆

◆ in progress

○ submitted in 2014

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Advanced Materials Processing

Reinke, Michael

BaTiO₃ deposition by HVCVD
Supervisor: Hoffmann, Patrik
Co-Supervisor: Kuzminykh, Yury
EPF Lausanne, Photonic Materials and Characterization LPMAT ◆

Rowthu, Sriharitha

Porous wear resistant, tailored wetting materials
Supervisor: Hoffmann, Patrik
Co-Supervisor: Hoffmann, Patrik
EPF Lausanne, Photonic Materials and Characterization LPMAT ◆

Saeidi, Fatemeh

laser structuring of tribo-pair surface
Supervisor: Hoffmann, Patrik
Co-Supervisor: Wasmer, Kilian
EPF Lausanne, Photonic Materials and Characterization LPMAT ◆

Vahdati, Seyedpayam

Microjet laser cutting of Sapphire
Supervisor: Hoffmann, Patrik
Co-Supervisor: Kuzminykh, Yury
EPF Lausanne, Photonic Materials and Characterization LPMAT ◆

Air Pollution/Environmental Technology

Eyer, Simon

Development of a real-time quantum cascade laser spectrometer for methane isotopic species in ambient air
Supervisor: Fischer, Hubertus
Co-Supervisor: Mohn, Joachim
Uni BE, Department of Physics ◆

Gute, Ellen

N₂O from the Swiss midlands: regional sources and hot spots
Supervisor: Six, Johan
Co-Supervisor: Mohn, Joachim
ETH Zürich, Departement für Umweltsystemwissenschaften ◆

Oney, Brian

CarboCount CH: Quantifying CO₂ and CH₄ fluxes in Switzerland
Supervisor: Gruber, Nicolas
Co-Supervisor: Brunner, Dominik
ETH Zürich, Umweltphysik ◆

Schönenberger, Fabian

Measurement-based verification of regional emissions of halogenated greenhouse gases
Supervisor: Peter, Thomas
Co-Supervisor: Reimann, Stefan
ETH Zürich, IACETH ◆

Analytical Chemistry

Arbelo Peña, Yunieski

Morpho chemical Surface Analysis using a Plasma driven short Wavelength Photon Source
Supervisor: Bleiner, Davide
Co-Supervisor: Bleiner, Davide
Uni BE, Institut für angewandte Physik (IAP) ◆

Bahk, Yeon Kyoung

Characterization of airborne Carbon Nano Tubes and Filtration
Supervisor: Wang, Jing
Co-Supervisor: Wang, Jing
ETH Zürich, Institute of Environmental Engineering ◆

Barbato, Francesco

Phase Contrast Imaging of weak Shocks in Fusion Experiments
Supervisor: Bleiner, Davide
Co-Supervisor: Bleiner, Davide
Uni BE, Institut für angewandte Physik (IAP) ◆

Bierbass, Peggy

Phosphor in Wood with LA-ICP-MS
Supervisor: Bauhus, Jüren
Co-Supervisor: Wichser, Adrian
Universität Freiburg, Institut für Forstwissenschaften, Freiburg im Preisau, DE ◆

Diefenbacher, Pascal

Atmospheric emission of organic pollutants from modern cities (CityPOP)
Supervisor: Hungerbühler, Konrad
Co-Supervisor: Gerecke, Andreas
ETH Zürich, Department of Chemistry and Applied Biosciences ◆

Durdina, Lukas

Particulate Matter and Gas Phase Emission Measurement of Aircraft Engine Exhaust
Supervisor: Wang, Jing
Co-Supervisor: Wang, Jing
ETH Zürich, Institute of Environmental Engineering ◆

◆ in progress

○ submitted in 2014

He, Xu

Filtration of liquid-borne Nanoparticles by micro-structural Devices and Mechanism Study by DLVO Theory
 Supervisor: Wang, Jing
 Co-Supervisor: Wang, Jing
 ETH Zürich, Institute of Environmental Engineering ◆

Hess, Adrian

Online Coupling of a Scanning Mobility Particle Sizer SMPS to an inductively coupled Plasma Mass Spektrometer ICP-MS for Size fractionated, elemental Analysis of Nanoparticles in Aerosols
 Supervisor: Ludwig, Christian
 Co-Supervisor: Vonmont, Heinz
 EPF Lausanne, Materials Science and Engineering, Lausanne ◆

Kuo, Yu-Ying

Cocurrence of Nanoparticles and organic Pollutants in the Atmosphere and photocatalytic Removal of organic Pollutants
 Supervisor: Wang, Jing
 Co-Supervisor: Wang, Jing
 ETH Zürich, Institute of Environmental Engineering ◆

Losert, Sabrina

Analytical Strategies for a systematic Characterization of Nanoparticle Release from commercial Spray Products for Exposure Quantification and Risk Assessment
 Supervisor: Hungerbühler, Konrad
 Co-Supervisor: Vonmont, Heinz
 ETH Zürich, Institute for Chemistry and Bioengineering Science ◆

Masoudnia, Leili

Optimization of the plasma active-medium for short-wavelength laser-probes
 Supervisor: Bleiner, Davide
 Co-Supervisor: Bleiner, Davide
 Uni BE, Institut für angewandte Physik (IAP) ◆

Ott, Noémie

From Biodegradable Mg to Passive Al-Cr-Fe Alloys - Element Specific Investigations of Corrosion Processes Using Flow Microcapillary Plasma Mass Spektrometry
 Supervisor: Ludwig, Christian
 Co-Supervisor: Schmutz, Patrik
 EPF Lausanne, Civil and Environmental Engineering ○

Pavlova, Pavlina

Accelerated Release of Persistent Organic Pollutants from Alpine Glaciers
 Supervisor: Schwikowski, Margit
 Co-Supervisor: Schmid, Peter
 ETH Zürich, Laboratory of Radiochemistry and Environmental Chemistry ◆

Ruiz Lopez, Maria Isabel

Table top nano Imaging using a Plasma Photon Source
 Supervisor: Bleiner, Davide
 Co-Supervisor: Bleiner, Davide
 Uni BE, Institut für angewandte Physik (IAP) ◆

Sachinidou, Panagiota

Understanding the accuracy of nanoparticle filtration tests
 Supervisor: Wang, Jing
 Co-Supervisor: Wang, Jing
 ETH Zürich, Institute of Environmental Engineering ◆

Sukiene, Vilma

Assessing the Relevance of the Dust Contribution in Consumer Exposure to Substances from Consumer Products and Particles (DustEx)
 Supervisor: Hungerbühler, Konrad
 Co-Supervisor: Gerecke, Andreas
 ETH Zürich, Department of Chemistry and Applied Biosciences ◆

Aigner, Nikita

Modelling of cell wall components interaction
 Supervisor: Delgado, Emanuela
 Co-Supervisor: Burgert, Ingo
 ETH Zürich, Institute for Building Materials ◆

Bolla, Ferruccio

Metal oxide coating by Atomic Layer Deposition (ALD) for the elaboration of a new class of functional wood based materials
 Supervisor: Burgert, Ingo
 Co-Supervisor: Zimmermann, Tanja
 ETH Zürich, Institute for Building Materials ◆

Bösiger, Peter

Development of a smart bio composite wound dressing
 Supervisor: Schwarze, Francis
 Co-Supervisor: Fortunato, Giuseppino
 Institut für Forstbotanik

Casdorff, Kirstin

Wood surface modification and characterization by AFM
 Supervisor: Burgert, Ingo
 Co-Supervisor: Burgert, Ingo
 ETH Zürich, Institute for Building Materials ◆

Civardi, Chiara

Assessment of the effectiveness and environmental risk of copper particles based wood preservatives
 Supervisor: Burgert, Ingo
 Co-Supervisor: Schwarze, Francis
 ETH Zürich, Institut für Baustoffe Institute for Building Materials ◆

Gebald, Christoph

Atmosphärische CO₂ Abscheidung
 Supervisor: Steinfeld, Aldo
 Co-Supervisor: Zimmermann, Tanja
 ETH Zürich, Energy Science Center ESC ○

Grüneberger, Franziska

Modified Nanofibrillated Cellulose in Wood Coatings
 Supervisor: Burgert, Ingo
 Co-Supervisor: Arnold, Martin
 ETH Zürich ◆

Keplinger, Tobias

Cell wall modification and characterization
 Supervisor: Burgert, Ingo
 Co-Supervisor: Burgert, Ingo
 ETH Zürich, Institute for Building Materials ◆

Merk, Vivian

Chemical modification of spruce and beech wood
 Supervisor: Burgert, Ingo
 Co-Supervisor: Burgert, Ingo
 ETH Zürich, Institute for Building Materials ◆

Orsolini, Paola

Elaboration of functional materials using bio-based waste resources as building blocks
 Supervisor: Niederberger, Markus
 Co-Supervisor: Tingaut / Zimmermann, Philippe / Tanja
 ETH Zürich, Professur Multifunktionsmaterial ◆

Özparpucu, Merve

Mechanical and structural characterization of modified poplar wood
 Supervisor: Burgert, Ingo
 Co-Supervisor: Burgert, Ingo
 ETH Zürich, Institute for Building Materials ◆

Razghandi, Khashayar

Bio-inspired honeycomb devices for movements
 Supervisor: Fleck, Claudia
 Co-Supervisor: Burgert, Ingo
 Technische Universität Berlin, Technische Universität Berlin, DE ○

Ribera Regal, Javier

Biological control of copper tolerant fungi
 Supervisor: Schwarze, Francis
 Co-Supervisor: Schwarze, Francis
 Universität Freiburg im Breisgau, Universität Freiburg im Breisgau, Fakultät für Umwelt und natürliche Ressourcen ◆

Segemehl, Jana Simone

Cell wall modification of bio-engineered wood
 Supervisor: Burgert, Ingo
 Co-Supervisor: Burgert, Ingo
 ETH Zürich, Institute for Building Materials ◆

Vailati, Chiara

Convertible wood structures for architecture
 Supervisor: Burgert, Ingo
 Co-Supervisor: Rüggeberg, Markus
 ETH Zürich, Institute for Building Materials ◆

Biomaterials

Ghazaryan, Gagik

Biobased additives for the mechanical improvement of biopolymers
Supervisor: Di Lena, Fabio
Co-Supervisor:
ETH Zürich ◆

Le Meur, Sylvaine

Production of polyhydroxyalkanoates (PHAs) from cheap waste resources
Supervisor: Ren, Qun
ETH Zürich, Departement Umweltwissenschaften ◆

Weishaupt, Ramon

Protein immobilization on nanofibrous materials
Supervisor: Thöny-Meyer, Linda
Co-Supervisor: Ihssen, Julian
ETH Zürich ◆

Building Science and Technology

Ardham, Vikram Reddy

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Berry, Tarl

Optimisation of multi-scale ventilated package design for next-generation forced-air precooling strategies of horticultural produce
Supervisor: Opara, Linus
Co-Supervisor: Opara, Linus
University of Stellenbosch, Department of Horticultural Science, Stellenbosch, ZAa ◆

Cutic, Tomislav

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Orehounig, Kristina
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Dash, Monika

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Dorostkar, Omid

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Ferdowsi, Behrooz

3D MD Modelling of slip triggering in granular media by means of boundary vibration: Implications for dynamic earthquake triggering
Supervisor: Carmeliet, Jan
Co-Supervisor: Griffa, Michele
ETH Zürich, Departement Bau, Umwelt und Geomatik ○

Griego, Danielle

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Orehounig, Kristina
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Guizzardi, Michela, Michela

Performance assessment of energy renovation strategies for old historical buildings
Supervisor: Carmeliet, Jan
Co-Supervisor: Dominique Derome, Mark Zimmermann
ETH Zürich, Departement Bau, Umwelt und Geomatik ○

Hohmann, Marc

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Dorer, Viktor
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Immer, Marc

Mechanisms and scaling of turbulent transfer within the urban canopy layer
Supervisor: Carmeliet, Jan
Co-Supervisor: Dorer, Viktor
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

◆ in progress

○ submitted in 2014

Iswar, Subramaniam

Super insulating concepts based on polyurethane for building and construction with a thermal conductivity target of 15 mW/(m.K) at 10°C
Supervisor: Lattuada, Marco
Co-Supervisor: Koebel, Matthias
Uni FR, Adolphe Merkle Institute ◆

Ito Parada, Marcelo

The physics of wicking of textiles
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Kubilay, Aytaç

Wetting of building façades by wind driven rain in the urban context
Supervisor: Carmeliet, Jan
Co-Supervisor: Dominique Derome, Viktor Dorer
ETH Zürich, Departement Bau, Umwelt und Geomatik ○

Kulasinski, Karol

Adsorption and swelling of complex porous media investigated with molecular dynamics simulation
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Lal, Sreeyuth

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Lee, Jae Bong

Wetting of building façades by wind driven rain in the urban context
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Lemrich, Laure

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Marquant, Julien

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Dorer, Viktor
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Martin, Martin

Modelling the leaching of biocides from building façades
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Mavromatidis, Georgios

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Orehounig, Kristina
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Morvaj, Boran

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Dorer, Viktor
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Patera, Alessandra

3D Experimental investigation of the hygro-mechanical properties of wood at cellular and subcellular scale
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ○

Paterna, Enrico

Turbulent flow modelling of urban areas
Supervisor: Carmeliet, Jan
Co-Supervisor: Dorer, Viktor
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Building Science and Technology

Ruesch, Florian

Low Temperature District Heating - Energetic Optimization Based on Dynamic Simulations
Supervisor: Carmeliet, Jan
Co-Supervisor: R. Evins, V. Dorer
ETH Zürich, Departement Architektur ◆

Son, Soyoun

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Derome, Dominique
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Vonlanthen, Marcel

Microscale climatic modelling
Supervisor: Carmeliet, Jan
Co-Supervisor: Dorer, Viktor
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Waibel, Christoph

TBD
Supervisor: Carmeliet, Jan
Co-Supervisor: Evins, Ralph
ETH Zürich, Departement Bau, Umwelt und Geomatik ◆

Center for X-ray Analytics

Fei, Yang

Multi-contrast X-ray Imaging of water and microstructure in cement-based materials
Supervisor: Lura, Pietro
Co-Supervisor: Kaufmann, Rolf
ETH Zürich, Institut für Baustoffe ◆

Liu, Yu

ILATO
Supervisor: Wegener, Konrad
Co-Supervisor: Flisch, Alex
Institut für Werkzeugmaschine und Fertigung

Stritt, Carina

TBD
Supervisor: Löliger, Hans-Andrea
Co-Supervisor: Flisch, Alex
Institut für Signal und Informationverarbeitung

Concrete/Construction Chemistry

Bernard, Ellina

Magnesium silicate hydrates (M-S-H)
Supervisor: Pochard, Isabelle
Co-Supervisor: Lothenbach, Barbara
Universite de Bourgogne, Dijon, FR ◆

Deschner, Florian

Reaction of siliceous fly ash in blended Portland cement pastes and its effect on the chemistry of hydrate phases and pore solution
Supervisor: Neubauer, Jürgen
Co-Supervisor: Winnefeld, Frank
FAU Erlangen, GeoZentrum Nordbayern, DE ○

di Bella, Carmelo

Drying shrinkage and cracking of cementitious materials at early age
Supervisor: Lura, Pietro
Co-Supervisor: Wyrzykowski, Mateusz
ETH Zürich, Institut für Baustoffe ◆

Fang, Xing

A fundamental investigation of cold mix asphalt modified with cementitious materials
Supervisor: Lura, Pietro
Co-Supervisor: Garcia, Alvaro
ETH Zürich, Institut für Baustoffe ◆

Ghourchian, Sadegh

Plastic shrinkage cracking in concrete: from mechanisms to mitigation strategies
Supervisor: Lura, Pietro
Co-Supervisor: Wyrzykowski, Mateusz
ETH Zürich, Institut für Baustoffe ◆

Hu, Zhangli

Autogenous shrinkage in blended cement systems
Supervisor: Scrivener, Karen
Co-Supervisor: Lura, Pietro
EPF Lausanne, Laboratory of Construction Materials ◆

◆ in progress

○ submitted in 2014

Concrete/Construction Chemistry

L'Hôpital, Emilie

Aluminium and alkali uptake in calcium silicate hydrate
Supervisor: Scrivener, Karen
Co-Supervisor: Lothenbach, Barbara
EPF Lausanne, Laboratoire des matériaux de construction EPFL - STI - IMX - LMC ○

Schöler, Axel

Hydration of multi-component cements containing cement clinker, slag, type-V fly ash, limestone: CEM X/A - M (S, V, LL, x)
Supervisor: Ludwig, Horst-Michael
Co-Supervisor: Lothenbach, Barbara
Bauhaus, Universität Weimar, F.A. Fingerinstitut für Baustoffkunde ◆

Yang, Fei

Multi-contrast X-ray imaging of water and microstructure in cement-based materials
Supervisor: Lura, Pietro
Co-Supervisor: Griffa, Michele
ETH Z
Zürich, Institut für Baustoffe ◆

Electron Microscopy Center

Agrawal, Piyush

TBD
Supervisor: Hébert, Cécile
Co-Supervisor: Erni, Rolf
EPF Lausanne ◆

Ilari, Gabriele

TBD
Supervisor: Niederberger, Markus
Co-Supervisor: Erni, Rolf
ETH Zürich ◆

Keller, Debora

Electron Microscopy of CIGS solar cells
Supervisor: Tiwari, Ayodhya
Co-Supervisor: Erni, Rolf

Kozak, Roksolana

TBD
Supervisor: Bona, Gian-Luca
Co-Supervisor: Rossell, Marta D
ETH Zürich, Dept. of Information Technology and Electrical Engineering ◆

Electronics/Metrology/Reliability

Butti, Pascal

Graphene RGB
Supervisor: Ensslin, Klaus
Co-Supervisor: Sennhauser, Urs
ETH Zürich ◆

Liu, Yu

ILATO
Supervisor: Wegener, Konrad
Co-Supervisor: Sennhauser, Urs
ETH Zürich, Institut für Werkzeugmaschine und Fertigung ◆

Scholder, Olivier

Platun
Supervisor: Bona, Gian-Luca
Co-Supervisor: Sennhauser, Urs
ETH Zürich ○

Stritt, Carina, Carina

CTOMES
Supervisor: Löliger, Hans-Andrea
Co-Supervisor: Sennhauser, Urs
ETH Zürich ◆

Zraggen, Eugen

SMELOB
Supervisor: Bona, Gian-Luca
Co-Supervisor: Sennhauser, Urs
ETH Zürich ○

Functional Polymers

Dünki, Simon

Silicones with enhanced permittivity for dielectric elastomer actuators
Supervisor: Nüesch, Frank
Co-Supervisor: Opris, Dorina
ETH Zürich, Chemistry or Polymer Chemistry ◆

Jenatsch, Sandra

Ion distribution in cyanine bilayer solar cells
 Supervisor: Nüesch, Frank
 Co-Supervisor: Hany, Roland
 ETH Zürich, Chemistry or Polymer Chemistry ◆

Ko, Yee Song

Smart materials for artificial muscle and energy harvesting
 Supervisor: Nüesch, Frank
 Co-Supervisor: Opris, Dorina
 ETH Zürich, Chemistry or Polymer Chemistry ◆

Leclaire, Nicolas

Spatial and morphological growth control of cyanine dye crystals
 Supervisor: Nüesch, Frank
 Co-Supervisor: Heier, Jakob
 EPF Lausanne, Materials Science and Engineering ◆

Quinsaat, Jose-Enrico

Increasing the dielectric constant of dielectric elastomer actuators using silver nanoparticles
 Supervisor: Nüesch, Frank
 Co-Supervisor: Opris, Dorina
 ETH Zürich, Chemistry or Polymer Chemistry ◆

Schlagenhauf, Lukas

Evaluation platform for safety and environmental risks of carbon nanotube reinforced nanocomposites
 Supervisor: Nüesch, Frank
 Co-Supervisor: Wang, Jing
 ETH Zürich, Chemistry or Polymer Chemistry ◆

Tisserant, Jean-Nicolas

Structured Templates of (6,6)-Phenyl C61-Butyric Acid Methyl Ester (PCBM) for Applications in Photovoltaics and Photonics
 Supervisor: Heier, Jakob
 Co-Supervisor: Hany, Roland
 EPF Lausanne, Materials Science and Engineering ○

Veron, Anna

NIR Absorbing Colorants with Application in Light to Energy Conversion
 Supervisor: Nüesch, Frank
 Co-Supervisor: Geiger, Thomas
 ETH Zürich, Chemistry or Polymer Chemistry ◆

Zhang, Hui

NIR sensitive organic solar cells for tandem devices and transparent windows
 Supervisor: Nüesch, Frank
 Co-Supervisor: Hany, Roland
 EPF Lausanne, Materials Science and Engineering ◆

Boudoire, Florent

Liesegang: Reaction-diffusion processes for the growth of patterned structures and architectures: A bottom-up approach for photoelectrochemical electrodes
 Supervisor: Constable, Edwin
 Co-Supervisor: Braun, Artur
 Uni BS, Department of Chemistry ◆

Dalcanale, Federico

CeraMed: Implantable Ceramic MEMS Electrodes for Cardiac Pace Makers
 Supervisor: Niederberger, Markus
 Co-Supervisor: Kübler, Jakob
 ETH Zürich, Laboratory for multifunctional materials ◆

Fleischhauer, Felix

SOF-CH-ESC: Solid Oxide Fuel Cell Research
 Supervisor: Danzer, Robert
 Co-Supervisor: Kübler, Jakob
 Montanuniversität Leoben, Austria / Robert Danzer, Institut für Struktur und Funktionskeramik,
 Montanuniversität Leoben, AT ○

Hu, Yelin

Defects on semiconductor photoelectrodes: origin, function, and control
 Supervisor: Grätzel, Michael
 Co-Supervisor: Braun, Artur
 EPF Lausanne, Laboratory of Photonics and Interfaces ◆

Knies, Franziska

Kerasan: Massgeschneiderte u. verschmutzungsarme Keramikoberfläche für Sanitärkeramiken
 Supervisor: Graule, Thomas
 Co-Supervisor: Graule, Thomas
 Technische Universität Bergakademie Freiberg, Institut für Keramik & Glas & Baustofftechnik, Freiberg, DE ◆

High Performance Ceramics

Mitrentsis, Eleni

REFRAMATCH: Verbesserung der Kratzfestigkeit von Polyamiden durch den Einsatz brechungsindex-angepasster, nanopart. Füllstoffe
Supervisor: Graule, Thomas
Co-Supervisor: Graule, Thomas
Technische Universität Bergakademie Freiberg, Institut für Keramik & Glas & Baustofftechnik, Freiberg, DE ◆

Schabikowski, Mateusz

Nanosorp: Novel nanocomposite based filter media for adsorption based water treatment
Supervisor: Kata, Dariusz
Co-Supervisor: Graule, Thomas
AGH University of Science and Technology, Cracow, PL, Faculty for Material Science and Ceramics, Cracow, PL ◆

Walliser, Roche

Origin of Liesegang Patterns
Supervisor: Constable, Edwin C.
Co-Supervisor: Toth, Rita
Uni BS, Department Chemie ◆

Hydrogen and Energy

Bonk, Alexander

Synthesis and characterization of thermal stable and highly porous doped CeO₂ structures for Thermochemical Redox Reactions
Supervisor: Vogt, Ulrich
Co-Supervisor: Vogt, Ulrich
Universität im Breisgau, kristallographisches institut freiburg ◆

Holzer, Marco

CO₂ Sorption and hydrogen interaction
Supervisor: Züttel, Andreas
Co-Supervisor: Züttel, Andreas
EPF Lausanne, Institute of Chemical Sciences and Engineering ◆

Internal Combustion Engines

Kammermann, Thomas

Apart induced emission spectroscopy
Supervisor: Boulouchos, Konstantinos
Co-Supervisor: Soltic, Patrik
ETH Zürich, Laboratorium für Aerothermochemie und Verbrennungssysteme ◆

Liao, Yujun

Heat transfer phenomena in Urea Water Sprays and SCR catalysts
Supervisor: Boulouchos, Konstantinos
Co-Supervisor: Dimopoulos Eggenschwiler, Panayotis
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Nocivelli, Lorenzo

Simulation of phenomena in SCR DeNO_x catalysts
Supervisor: Onorati, Angelo
Co-Supervisor: Dimopoulos Eggenschwiler, Panayotis
Politecnico di Milano, Dipartimento di Energia, Milano, IT ◆

Spiteri, Alexander

Fluid mechanic properties of Urea-Water sprays
Supervisor: Boulouchos, Konstantinos
Co-Supervisor: Dimopoulos Eggenschwiler, Panayotis
ETH Zürich, Laboratorium für Aerothermochemie und Verbrennungssysteme ◆

von Rickenbach, Jan

Simulation of mass transfer and chemical reactions in porous media
Supervisor: Poulidakos, Dimos
Co-Supervisor: Dimopoulos Eggenschwiler, Panayotis
ETH Zürich, Laboratory of Thermodynamics in Emerging Technologies ◆

Joining Technologies and Corrosion

Ahmadi, Mehdi

Experimental study of the deformation induced phase transformations in FeMnSi-based shape memory alloys
Supervisor: Van Swygenhoven, Helena
Co-Supervisor: Leinenbach, Christian
EPF Lausanne, Laboratory for Neutrons and Xrays for Mechanics of Materials ◆

Brodacka, Sylwia

Interfacial and segregation phenomena in nanostructured Ag-Cu brazing filler alloys
Supervisor: Kozubski, Rafal
Co-Supervisor: Janczak-Rusch, Jolanta
Jagiellonian University in Krakow, Faculty of Physics, Astronomy and Applied Computer Science, Krakow, PL ◆

Izdebski, Pawel

Investigation of atmospheric local oxidation mechanisms for Al based ultra-fine grained alloys: influence on aqueous corrosion and surface properties
Supervisor: Lewandowska, Malgorzata
Co-Supervisor: Schmutz, Patrik
Warsaw University of Technology, Materials Science and Engineering, PL ◆

Kenel, Christoph

Alloy development of oxide dispersion strengthened titanium aluminides for additive manufacture
Supervisor: Wegener, Konrad
Co-Supervisor: Leinenbach, Christian
ETH Zürich, Institute for Machine Tools and Manufacturing ◆

Lipeccka, Joanna

Development of novel joining technologies for nanostructured materials
Supervisor: Lewandowska, Malgorzata
Co-Supervisor: Janczak-Rusch, Jolanta
Warsaw University of Technology, Faculty of Materials Science and Engineering, Warsaw, PL ◆

Lis, Adrian

Development and Characterization of (Ag,Ni)-Sn Transient Liquid Phase Bonding for High Power Electronics
Supervisor: Wegener, Konrad
Co-Supervisor: Leinenbach, Christian
ETH Zürich, Institute for Machine Tools and Manufacturing ◆

Sobol Sosnowska, Karolina

Controlling diffusion processes for rapid formation of interconnects
Supervisor: Spolenak, Ralph
Co-Supervisor: Janczak-Rusch, Jolanta
ETH Zürich, Department of Materials ○

Transchel, Robert

Cutting Mechanism of Active Brazed Single Diamond Grains
Supervisor: Wegener, Konrad
Co-Supervisor: Leinenbach, Christian
ETH Zürich, Institute for Machine Tools and Manufacturing ○

Weyrich, Nico

Low temperature joining of highly loaded components using Au-based solder alloys
Supervisor: Wegener, Konrad
Co-Supervisor: Leinenbach, Christian
ETH Zürich, Institute for Machine Tools and Manufacturing ◆

Civardi, Chiara

Assessment of the effectiveness and environmental risk of copper particles based wood preservatives
Supervisor: Burgert, Ingo
Co-Supervisor: Wick, Peter
Department Bau, Umwelt und Geomatik

Gökçe, Yazgan

Fabrication of Hierarchically Structured Electro-spun Scaffolds for Bone Tissue Regeneration
Supervisor: Zenobi-Wong, Marcy
Co-Supervisor: Fortunato Guiseppino, Maniura Katharina
ETH Zürich, Departement für Gesundheitswissenschaften und Technologie ◆

Grafmüller, Stefanie

Nanoparticle transport across the human placenta
Supervisor: Krug, Harald
Co-Supervisor: Peter Wick, Ursula von Mandach
Uni BE, Gradualte School for Cellular and Biomedical Sciences ◆

Huber, Rebecca

Morphological gradients for protein adsorption and cell studies
Supervisor: Spencer, Nicolas
Co-Supervisor: Maniura, Katharina
ETH Zürich, Surface Science and Technology ◆

May, Sarah

Nanogenotoxicology and DNA repair mechanisms
Supervisor: Bürkle, Alexander
Co-Supervisor: Peter Wick, Cordula Hirsch
Uni Konstanz, Molecular Toxicology Group, Konstanz, DE ◆

Mulky, Elias

Engineering of Absorbable Fiber Reinforced Bone Substitute Materials
Supervisor: Frenz, Martin
Co-Supervisor: Maniura Katharina, Fortunato Giuseppe
Uni BE, RMS Foundation ◆

Muoth, Carina

Advanced placental in vitro co-culture model to study nanoparticle uptake mechanisms and placental effects
Supervisor: Nägeli, Hanspeter
Co-Supervisor: Peter Wick, T. Bürki-Thurnherr
Uni Zürich ◆

Studer, Deborah

Engineering phenotypically stable cartilage
Supervisor: Zenobi-Wong, Marcy
Co-Supervisor: Maniura, Katharina
ETH Zürich, Health Sciences and Technology ○

◆ in progress

○ submitted in 2014

Baensch (nee Ritschel), Franziska

Damage evolution in wood and layered wood composites monitored in situ by acoustic emission, digital image correlation and synchrotron based tomographic microscopy
Supervisor: Niemz, Peter
Co-Supervisor: Brunner, Andreas J.
ETH Zürich, Building Materials ○

Haba, Dietmar

Nanocomposites based on epoxy
Supervisor: Pinter, Gerald
Co-Supervisor: Brunner, Andreas J.
Montanuniversität Leoben (A), Material Science and Testing of Polymers, Leoben, AT ◆

Lämmlein, Tobias

Bond of HM-CFRP tendons in HPC beams
Supervisor: Lura, Pietro
Co-Supervisor: Terrasi, Giovanni
ETH Zürich, Institute for Building Materials ◆

Maluk, Cristian

Fire-safe performance, design, and application of high-performance carbon fibre prestressed concrete structural elements
Supervisor: Bisby, Luke
Co-Supervisor: Terrasi, Giovanni
University of Edinburgh, Civil engineering, UK, Fire Safety Engineering, Edinburgh, GB ○

Przybilla, Constanze

Mechanical characterization of materials in fracture and fatigue with emphasis on the size effect
Supervisor: Fernandez Canteli, Alfonso
Co-Supervisor: Koller, Roland
Universidad de Oviedo, Department of construction and manufacturing engineering, Oviedo, ES ○

Senteler, Marco

Rigid body simulation of the human musculoskeletal system - Influence of spinal fusion on the angular displacement of the adjacent vertebrae at activities of daily living
Supervisor: Snedeker, Jess
Co-Supervisor: Weisse, Bernhard
ETH Zürich, Institute for Biomechanics ◆

Toumpanaki, Eleni

Dauerhaftigkeit von mit nanomodifizierten CFK Drähten vorgespannten filigranen Hochleistungsbeton (HLB) Bauteilen
Supervisor: Lees, Janet
Co-Supervisor: Terrasi, Giovanni
University of Cambridge, Civil engineering, UK, Department of Engineering, University of Cambridge GB ◆

Weiss, Florian

Nanostructures for Artificial Muscles (NAM)
Supervisor: Müller, Bert
Co-Supervisor: Kovacs, Gabor
Uni BS, Biomaterials Science Center ◆

Chen, Zhen

High temperature fracture mechanics investigations
Supervisor: Mazza, Edoardo
Co-Supervisor: Holdsworth, Stuart
ETH Zürich, Institute of Mechanical Systems ◆

Ehrhardt, Frank

Lifetime assessment of 700°C steam turbine weldments
Supervisor: Mazza, Edoardo
Co-Supervisor: Holdsworth, Stuart
ETH Zürich ◆

Frigerio, Marco

Evaluation of the influence of time at temperature on the properties of Aldrey of overhead conductor wires
Supervisor: Mazza, Edoardo
Co-Supervisor: Holdsworth, Stuart
ETH Zürich ◆

Röthlisberger, André

Arc erosion in contact materials: modelling and model experiments
Supervisor: Mazza, Edoardo
ETH Zürich ◆

Vacchieri, Erica

Creep-fatigue Interaction and small size testing techniques
Supervisor: Mazza, Edoardo
Co-Supervisor: Holdsworth, Stuart
ETH Zürich ◆

Mechanics for Modelling and Simulation

Mechanics of Materials and Nanostructures

Nanoscale Materials Science

Yan, Wentao

Creep-fatigue crack growth resistance of advanced 10%Cr rotor steels
Supervisor: Mazza, Edoardo
Co-Supervisor: Holdsworth, Stuart
ETH Zürich ◆

Guerra Nuñez, Carlos

Atomic Layer Deposition for Energy Conversion Applications
Supervisor: Utke, Ivo
Co-Supervisor: Park, Hyung Gyu
ETH Zürich, Department of Mechanical and Process Engineering ◆

Keith, Thomas

Combinatorial studies of mechanical properties of multilayer thin films
Supervisor: Michler, Johann
Co-Supervisor: Spolenak, Ralph
ETH Zürich, Department of Materials Science ◆

Mieszala, Maxime

Mechanical properties of 3D metallic architected materials
Supervisor: Philippe, Laetitia
Co-Supervisor: Mischler, Stefano
EPF Lausanne, Department of Materials Science ◆

Szkudlarek, Aleksandra

Surface Kinetics Fundamentals of Focused-Electron-Beam-Induced-Deposition
Supervisor: Utke, Ivo
Co-Supervisor: Kapusta, Czeslaw
AGH University of Science and Technology, Cracow, PL, Solid state physics ○

Wehrs, Juri

Mechanical Properties of Nanocrystalline Metals
Supervisor: Michler, Johann
Co-Supervisor: Mischler, Stefano
EPF Lausanne, Department of Materials Science ◆

Bliersbach, Andreas

Hydrogen storage in metal-intercalated fullerenes
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich ◆

Fischer, Maria

Al-based Oxynitride Coatings
Supervisor: Hug, Hans Josef
Co-Supervisor: Patscheider, Jörg
Uni BS, Inorganic Chemistry ◆

Karageorgaki, Chrysanthi

Chiral Molecules@surfaces
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich ◆

Li, Jingyi

Li-buckybowls hybrid materials for energy storage
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich ◆

Mairena, Anais

Chiral molecules at surfaces
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich ◆

Rieger, Alexandra

Physical properties of buckybowls for
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich ◆

Schwenk, Johannes

Friction across Phase Transitions
Supervisor: Hug, Hans Josef
Co-Supervisor: Marioni, Miguel A.
Uni BS, Departement Physik ◆

Seibel, Johannes

Two-dimensional crystallization of aromatic hydrocarbon at metal surfaces
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich ○

◆ in progress

○ submitted in 2014

Srivastava, Gitika

Molecular machines
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich ◆

Stöckl, Quirin

Modification of surfaces with buckybowl: Fivefold symmetry and self-assembly
Supervisor: Ernst, Karl-Heinz
Co-Supervisor: Ernst, Karl-Heinz
Uni Zürich, Department of Chemistry ○

Trant, Mathis

Plasma Parameters and Particle fluxes during Deposition of Transparent Hard Coatings
Supervisor: Hug, Hans Josef
Co-Supervisor: Patscheider, Jörg
ETH Zürich ◆

Zhang, Xue

Exchange-coupled transition metal - rare earth ferrimagnet multilayers investigated by MFM
Supervisor: Hug, Hans Josef
Co-Supervisor: Marioni, Miguel A.
Uni BS, Departement Physik ◆

Deniz, Okan

Oxide Intercalation for Electronic Decoupling of Graphene Nano Ribbons on Metal Substrates
Supervisor: Greber, Thomas
Co-Supervisor: Roman Fasel, Pascal Ruffieux
Uni Zürich ◆

Prinz, Jan

Surface science studies on intermetallic single crystalline PdGa model catalysts
Supervisor: Brune, Harald
Co-Supervisor: Widmer, Roland
EPF Lausanne ○

Shinde, Prashant

Computational design of graphene based nanostructures
Supervisor: Sigrist, Manfred
Co-Supervisor: Passerone, Daniele
ETH Zürich ◆

Söde, Hajo

Electronic structure of graphene nanoribbons
Supervisor: Fasel, Roman
Co-Supervisor: Ruffieux, Pascal
Uni BE ◆

Talirz, Leopold

Organic nanowires with unusual transport properties: a theoretical study
Supervisor: Hutter, Jürg
Co-Supervisor: Pignedoli, Carlo
Uni Zürich ◆

Yakutovich, Aliaksandr

Computational insight into surface chemical reactions within a nanoscience laboratory
Supervisor: Hutter, Jürg
Co-Supervisor: Passerone, Daniele
Uni Zürich ◆

Abrishamkar, Afshin

Work title: Exploration of site-specific crystal growth and device fabrication employing microfluidic technologies
Supervisor: deMello, Andrew
Co-Supervisor: Puigmartí, Josep
ETH Zürich, Biochemical Engineering ◆

Bösiger, Peter

Development of a smart bio composite wound dressing
Supervisor: Schwarze, Francis
Co-Supervisor: Fortunato, Giuseppino
Albert-Ludwigs-Universität, Institut für Forstbotanik, Freiburg, DE ◆

Camerlo, Agathe

Cold Electrospinning
Supervisor: Nardin, Corinne
Co-Supervisor: Bühlmann, Ana-Maria
Uni GE ○

Dabrowska, Agnieszka

Advanced physical skin models to simulate friction of human skin
Supervisor: Spencer, Nicholas
Co-Supervisor: Rotaru, Gelu-Marius
ETH Zürich, Department of Materials ◆

◆ in progress

○ submitted in 2014

Protection and Physiology

Ghitescu, Roxana Elena

Encapsulated Polyphenols with biological activity

Co-Supervisor: Bühlmann, Ana-Maria

Technical University Gheorghe Asachi, Faculty of Chemical Engineering and Environmental Protection, Iasi, RO ◆

Krehel, Marek

Polymeric Optical Fibers for sensing applications

Supervisor: Bona, Gian-Luca

Co-Supervisor: Scherer, Lukas

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MacRae, Braid

Non invasive monitoring of the human body's thermal status

Supervisor: Spengler Walder, Christina

Co-Supervisor: Annaheim, Simon

ETH Zürich, Departement Gesundheitswissenschaften und Technologie ◆

Martinez Guillamon, Natividad

Prediction of wearing comfort of bicycle helmets

Co-Supervisor: Rossi, René

Universidad Politécnica de Valencia, Valencia, ES ◆

Mert, Emel

Thermal Effects of the Air Gap and the Contact area in Various Body Postures

Supervisor: Bueno, Marie-Ange

Co-Supervisor: Psikuta, Agnieszka

Université de Haute Alsace, Textile Institute, Mulhouse, FR ◆

Quandt, Brit Maike

Optical fiber textiles in non-invasive medical applications for continuous treatment

Supervisor: Bona, Gian-Luca

Co-Supervisor: Scherer, Lukas

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Wettenschwiler, Patrick

Spinal load

Supervisor: Ferguson, Stephen

Co-Supervisor: Rossi, René

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Widmer, Susanne

Polymer Optical Fibre Sensor

Supervisor: Constable, Edwin Charles

Co-Supervisor: Scherer, Lukas

Uni BS, Philosophische, Naturwissenschaftliche Fakultät ◆

Yazgan, Gökçe

Electrospinning for scaffolds

Co-Supervisor: Maniura, Katharina

ETH Zürich ◆

Road Engineering/Sealing Components

Biruk Wobeshed, Hailesilassie

Measurement of Short-Term Blistering Affecting Bridge Decks with Asphalt Pavements

Supervisor: Partl, Manfred

KTH, Väg-och-Banteknik ◆

Bressi, Sara

Influence of Heterogeneity in Pavement Design Method: A Specific Application to RAP

Supervisor: Partl, Manfred

ENAC IIC, LAVOC ◆

Ghafoori Roozbahany, Ehsan

Real-Time In-situ Quality Evaluation of Asphalt Pavements During Installation

Supervisor: Partl, Manfred

KTH, Väg-och-Banteknik ◆

Jeoffroy, Etienne

Accelerated crack healing in dense asphalt concrete by induction heating

Supervisor: Partl, Manfred

ETH Zürich, Department of Materials ◆

Solid State Chemistry and Catalysis

Galazka, Krzysztof

Novel intermetallic thermoelectric materials, their synthesis and characterisation

Supervisor: Weidenkaff, Anke

Co-Supervisor: Populoh, Sascha

Uni BE, Philosophisch-naturwissenschaftliche Fakultät ○

Kuc, Jagoda

Investigation of well-defined perovskite based catalysts for steam reforming of methanol to selectively produce hydrogen for fuel cell applications

Supervisor: Weidenkaff, Anke

Co-Supervisor: Matam, Santhosh Kumar

Universität Stuttgart, Institut für Materialwissenschaft, Stuttgart, DE ◆

Rubenis, Kristaps

ETePoTiM - Enhanced thermoelectric performance of TiO₂ based materials
Supervisor: Locs, Janis
Co-Supervisor: Populoh, Sascha
Riga Technical University, Faculty of Materials Sciences and Applied Chemistry, Riga, LV ◆

Sagarna Zudaire, Leyre

Thermoelectric materials development
Supervisor: Weidenkaff, Anke
Co-Supervisor: Populoh, Sascha
Uni BE, Philosophisch-naturwissenschaftliche Fakultät ○

Saucke, Gesine

Cost-efficient and reliable thermoelectric converters for industrial waste heat recovery
Supervisor: Weidenkaff, Anke
Co-Supervisor: Populoh, Sascha
Universität Stuttgart, Institut für Materialwissenschaft, Stuttgart, DE ○

Thiel, Philipp

High temperature thermoelectric converters for electricity generation in a solid oxide fuel cell system
Supervisor: Weidenkaff, Anke
Co-Supervisor: Populoh, Sascha
Universität Stuttgart, Institut für Materialwissenschaft, Stuttgart, DE ◆

Boberg, Klara Maria

Distributed Attenuation of Wind-Induced Vibration in Long-Span Bridges
Supervisor: Martinoli, Alcherio
Co-Supervisor: Feltrin, Glauco
EPF Lausanne, School of Architecture, Civil and Environmental Engineering ◆

Ghafoori, Elyas

Fatigue strengthening of metallic structures using pre-stressed CFRP plates
Supervisor: Fontana, Mario
Co-Supervisor: Motavalli, Masoud
ETH Zürich ◆

Ginés, Rebekka

Electrostatic modification of the bending stiffness of structural elements
Supervisor: Ermanni, Paolo
Co-Supervisor: Motavalli, Masoud
ETH Zürich ◆

Harmanci, Yunus Emre

Long-term Resistance of Gradient Anchorage for Prestressed CFRP Strips in Structural Concrete Retrofitting' (LoReGra)
Supervisor: Chatzi, Eleni
Co-Supervisor: Michels, Julien
ETH Zürich, Institute of Structural Engineering ◆

Jalsan, Khash-Erdene

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

Janke, Lars

Restfestigkeit vorgespannt umschnürter Betondruckglieder unter besonderer Berücksichtigung von Formgedächtnislegierungen als umschnürendem Material
Supervisor: Ruth, J.
Co-Supervisor: Czaderski, Christoph
Bauhaus, Universität Weimar, University of Weimar, Weimar, DE ○

Jockwer, Robert

Structural behaviour of glued laminated timber beams with unreinforced and reinforced notches
Supervisor: Frangi, Andrea
Co-Supervisor: Steiger, René
Uni Aachen, Institut für Baustatik und Konstruktion ○

Martins, João

Updated braking forces for the assessment of road bridges
Supervisor: Beyer, Katrin
Co-Supervisor: Feltrin, Glauco
EPF Lausanne ◆

Nerbano, Stella

Earthquake resistant Timber Systems for Multi-Storey Buildings
Supervisor: Beyer, Katrin
Co-Supervisor: Steiger, René
EPF Lausanne, School of Architecture, Civil and Environmental Engineering ◆

Structural Engineering

Sadeghi, Marzaleh, Abdola

Prestressing of masonry walls to increase the inplane lateral load bearing capacity

Supervisor: Marti, Peter

Co-Supervisor: Motavalli, Masoud

ETH Zürich, Institut für Baustatik und Konstruktion ◆

Technology and Society

Ahmadi Achachlouei, Mohammad

Exploring the effects of ICT on environmental sustainability: From life cycle assessment to complex systems modeling and simulation

Supervisor: Finnveden, Göran

Co-Supervisor: Hilty, Lorenz

KTH Royal Institute of Technology, Division of Environmental Strategies Research, Stockholm, SE ◆

Bornhöft, Nikolaus

Ereignisdiskrete Modellierung von Stoffflüssen in der Umwelt unter Unsicherheit (Arbeitstitel)

Supervisor: Hilty, Lorenz

Co-Supervisor: Nowack, Bernd

Uni Zürich, Department of Informatics ◆

Caballero, Alejandro

TBD

Supervisor: Nowack, Bernd

Co-Supervisor: Nowack, Bernd

ETH Zürich ◆

Holm, Stefan

Developing an Agent-based Model of the Swiss Wood Market (working title)

Supervisor: Hilty, Lorenz

Uni Zürich, Department of Informatics ◆

Huber, Martina

Understanding Stakeholder Engagement in RE Exploring Game-based Elicitation Methods for the Development of Sustainable Software Systems (working title)

Supervisor: Glinz, Martin

Co-Supervisor: Hilty, Lorenz

Uni Zürich, Department of Informatics ◆

Müller, Sandra

Development of a framework for the classification and evaluation of urban mines

Supervisor: Williams, Ian

Co-Supervisor: Wäger, Patrick

University of Southampton, Centre for Environmental Sciences, Southampton, GB ◆

Piccinno, Fabiano

Combined LCA and LCC method for the evaluation of nanocellulose bio-composites

Supervisor: Seeger, Stefan

Co-Supervisor: Som, Claudia

Uni Zürich, Institute of Physical Chemistry ◆

Reinhard, Jürgen

Regionalization in Life Cycle Inventory Modeling: A method for the integration and use of spatial data in Life Cycle Assessment (working title)

Supervisor: Hilty, Lorenz

Uni Zürich, Department of Informatics ◆

Restrepo, Eliette

Towards an Optimal Recovery of Critical Metals from End of Life Vehicles

Supervisor: Müller, Daniel

Co-Supervisor: Wäger Widmer, Patrick, Rolf

Norwegian Institute of Science and Technology, Department of Energy and Process Engineering, Trondheim, NO ◆

Sissa, Giovanna

From micro behaviors to macro effects – Agent Based Modelling of Environmental Awareness spread and its effects on critical resource consumption

Supervisor: Damiani, Ernesto

Co-Supervisor: Hilty, Lorenz

University of Milan, IT ○

Stamp, Anna

Implications of emerging energy technologies on supply and demand of scarce metals

Supervisor: Hellweg, Stefanie

Co-Supervisor: Wäger, Patrick

ETH Zürich, Institute for Environmental Engineering ○

Sun, Tianyin

Development and applications of dynamic probabilistic material flow modeling for estimation of quantity and property of engineered nanomaterials released to environmental compartments

Supervisor: Hungerbühler, Konrad

Co-Supervisor: Nowack, Bernd

ETH Zürich, Department of Environmental System Science ◆

Thiébaud (Müller), Esther

Modeling metal stocks and flows with a focus on global temporal and geographic dynamics (working title)

Supervisor: Schluep, Mathias

Co-Supervisor: Hilty, Lorenz

Technische Universität Clausthal-Zellerfeld, DE ◆

Avancini, Enrico

TBD

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Bücheler, Stephan

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Bissig, Benjamin

Microscopic and macroscopic investigation of electrical properties in thin film solar cells

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Buecheler, Stephan

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Bodurov, Georgi

Metal oxides for electrochromic applications

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Romanyuk, Yaroslav

Uni Sofia, Departement für Informationstechnologie und Elektrotechnik, Sofia, BG ◆

Feurer, Thomas

TBD

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Bücheler, Stephan

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Fu, Fan

Perovskite-CIGS Tandem Solar Cell

Supervisor: Tiwari, Ayodhya

Co-Supervisor: Bücheler, Stephan

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Fuchs, Peter

Chemical bath deposition of ZnO:Al transparent conducting electrodes

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Romanyuk, Yaroslav

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Gretener, Christina

Design and stability of backcontacts for CdTe thin film solar cells

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Bücheler, Stephan

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Guntling, Christoph

TBD

Supervisor: Kovalenko, Maksym

Co-Supervisor: Kovalenko, Maksym

ETH Zürich, Departement Chemie und Angewandte Biowissenschaften ◆

Haass, Stefan

Kesterite absorber materials for thin film solar cells

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Romanyuk, Yaroslav

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik, Uni Karlsruhe, DE ◆

Jäger, Timo

Magnetron sputtering of electrical contacts for thin film solar cells

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Romanyuk, Yaroslav

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Keller, Debora

Electron Microscopy of CIGS solar cells

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Erni, Rolf

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Kranz, Lukas

Development of highly efficient CdTe solar cells with a low temperature process

Supervisor: Tiwari, Ayodhya Nath

Co-Supervisor: Bücheler, Stephan

ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ○

Meng, He

TBD

Supervisor: Kovalenko, Maksym

Co-Supervisor: Kovalenko, Maksym

ETH Zürich, Department of Mathematics ◆

◆ in progress

○ submitted in 2014

Nazarenko, Olga

TBD
Supervisor: Kovalenko, Maksym
Co-Supervisor: Kovalenko, Maksym
ETH Zürich, Department of Mathematics ◆

Nedelcu, Georgian

TBD
Supervisor: Kovalenko, Maksym
Co-Supervisor: Kovalenko, Maksym
ETH Zürich, Department of Mathematics ◆

Pianezzi, Fabian

Influence of impurities on the performance of CIGS thin film solar cells
Supervisor: Bona, Gian-Luca
Co-Supervisor: Tiwari, Ayodhya Nath
ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ○

Protesescu, Loredana

New synthesis of IR emitting Pb chalcogenide QDs and surface chemistry studies of inorganically capped nanomaterials
Supervisor: Kovalenko, Maksym
Co-Supervisor: Kovalenko, Maksym
ETH Zürich, Department of Mathematics ◆

Rawlence, Michael

Solid state electrolyte and thin film cathod materials for battery application
Supervisor: Tiwari, Ayodhya Nath
Co-Supervisor: Buecheler, Stephan
ETH Zürich, Department of Mathematics ◆

Reinhard, Patrick

Process and interface engineering for high efficienc Cu (In, Ga) Se₂ solar cells
Supervisor: Tiwari, Ayodhya Nath
Co-Supervisor: Buecheler, Stephan
ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Sutter-Fella, Carolin

Kesterite absorber materials for thin film solar cells
Supervisor: Tiwari, Ayodhya Nath
Co-Supervisor: Romanyuk, Yaroslav
ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ○

Walter, Marc

Novel high-energy electrode materials for Na-ion batteries
Supervisor: Kovalenko, Maksym
Co-Supervisor: Kovalenko, Maksym
ETH Zürich, Departement für Informationstechnologie und Elektrotechnik ◆

Wang, Shutato

TBD
Supervisor: Kovalenko, Maksym
Co-Supervisor: Kovalenko, Maksym
ETH Zürich, Department of Mathematics ◆

Werner, Melanie

TBD
Supervisor: Tiwary, Ayodhya Nath
Co-Supervisor: Romanyuk, Yaroslav
ETH Zürich,, Departement für Informationstechnologie und Elektrotechnik ◆

Empa Activities 2014

Patents

Patents applied for

Empa Laboratory	Empa Inventors / Title	Application No
Advanced Fibers	Barbadoro, Pierluigi/ Bommer, Lea/Buczko, Aleksandra/Fortunato, Giuseppino/Hufenus, Rudolf/Sabyasachi, Gaan/Stelzig, Timea/Wüst, Benno Dopo-based Hybrid Flame Retardants	EP14160392
Air Pollution/Environmental Technology	Emmenegger, Lukas/ Jágerská, Jana/Mangold, Markus/Tuzson, Béla Time-multiplexed driving of multicolour lasers for quasi-simultaneous spectroscopic analysis	EP14166907.7
Applied Wood Materials	Burgert, Ingo/Cabane, Etienne/Keplinger, Tobias Modified wood	PCT/CH2014/000004
	Josset, Sébastien/Tingaut, Philippe/Zimmermann, Tanja Method for Manufacturing Hydrophilic Cellulosic Nanofibers in Low-Polarity Environments and Materials Comprising such Nanofibers	PCT/EP2014/003264
Biomaterials	Ihssen, Julian/Thöny-Meyer Linda Compositions and Methods for Protein Glycosylation	US62/097,975
Functional Polymers	Dünki, Simon/Opris, Dorina Maria High permittivity polymers based on functionalized silicones	CH0405/14
High Performance Ceramics	Clemens, Frank Jörg/ Melnykowycz, Mark Strain gauge device and equipment with such strain gauge devices	EP14002103.1 – 1557
Internal Combustion Engines	Weilenmann, Martin Stufenloses mechatronisches Getriebe mit einem Schwungrad und Verfahren zum Betreiben eines solchen	CH01244/14
	Biffiger, Hannes/Soltic, Patrik Combustion engine having a splitted fuel admission and a respective method	EP14164514.3
	Weilenmann, Martin Stufenloses mechatronisches Getriebe mit einer Torsionsfeder und Verfahren zum Betreiben eines solchen.	CH01314/14
Mechanics of Materials and Nanostructures	Breguet, Jean-Marc/ Guillionneau, Gaylord Material testing device	CH00945/14
	Philippe, Laetitia/Frantz, Cédric Electrochemical process to produce adherent metal coatings onto aluminium surfaces	CH01187/14
nanotech@surfaces	Cai, Jinming/Fasel, Roman/Lui, Jia/Ruffieux, Pascal/Sanchez Sanchez, Carlos Graphene nanoribbons with controlled zig-zag edge and cove edge configuration	EP14155067.3
	Fasel, Roman/Ruffieux, Pascal/Sánchez, Juan Ramón Process for preparing single wall carbon nanotubes of pre-defined chirality	EP14164733.9
	Fasel, Roman/Ruffieux, Pascal/Söde, Hajo ortho-Terphenyls for the preparation of graphene nanoribbons	EP14168466.2
Protection and Physiology	Baumann, Lukas/Rossi, René/Rothmair, Markus/Scherer, Lukas/Schöller, Katrin Device for measuring the concentration of an analyte in the blood or tissue of an animal or a human, particularly a premature infant, in a selfcalibrating manner	EP14176976
Thin Films and Photovoltaics	Bissig, Benjamin/Bücheler, Stephan/Pianezzi, Fabian/Reinhard, Patrick/Tiwari, Ayodhya Nath Self-assembly patternings for fabricating thin-film devices	PCT (IB WIPO) 2014/064618
	Bücheler, Stephan/ Pianezzi, Fabian/Reinhard, Patrick/Tiwari, Ayodhya Nath Fabricating Thin-Film Optoelectronic Devices with Modified Surface	IB2014/061651 US62002206

Empa Activities 2014

Teaching Activities

Swiss Federal Institute of
Technology, Zürich (ETH)

	Bücheler, Stephan, Tiwari Ayodhya, Romanyuk Yaroslav Solar Cells
	Passerone, Daniele, J. VandeVondele Molecular and Materials Modelling
	Romanyuk, Yaroslav, Tiwari Ayodhya, Bücheler Stephan Solar Cells
Architecture	Derome, Dominique, Jan Carmeliet Building Physics: Theorie and Applications
	Eggenschwiler, Kurt Raumakustik
	Winnefeld, Frank Mineral building materials as part of the lecture «Baustoffe I», Bachelor Programme Architecture
	Zimmermann, Tanja Baumaterialien I
	Zimmermann, Tanja Bauchemie Holz
	Zimmermann, Tanja Bauchemie Holz, Laborübungen
<ul style="list-style-type: none"> • Architecture • Civil, Environmental and Geomatic Engineering • Information Technology and Electrical Engineering • Mechanical and Process Engineering • Management, Technology and Economics 	Koebel, Matthias, Jan Carmeliet Materials and Construction
Atmospheric and Climate Science	Reimann, Stefan, Peter Thomas, Stenke Andrea Stratospheric chemistry
Biology	Thöny-Meyer, Linda, Glockshuber Rudi Biology I
	Thöny-Meyer, Linda, Ihssen Julian, Richter Michael, Ren Qun Block course «Applied Microbial Biotechnology»
Biomedical Engineering	Stämpfli, Rolf, Schmitt Kai-Uwe Biomechanik von Sportverletzungen und Rehabilitation: – Mechanische Prüfung von Schutzausrüstung
Center for Development and Cooperation	Restrepo, Eliette, Widmer, Rolf Ökologisch nachhaltige Gewerbe- und Industrieentwicklung, Konzepte und EZA-Interventionen: Globale Stoffströme am Beispiel von E-Schrott
	Widmer, Rolf, Restrepo, Eliette Ökologisch nachhaltige Gewerbe- und Industrieentwicklung, Konzepte und EZA-Interventionen: Globale Stoffströme am Beispiel von E-Schrott
Chemistry and Applied Biosciences	Romanyuk, Yaroslav, Kovalenko Maksym, Brutchey Richard Functional Inorganics
Civil, Environmental and Geomatic Engineering	Buchmann, Brigitte Luftreinhaltung I
	Buchmann, Brigitte, Hofer Peter Luftreinhaltung
	Burgert, Ingo Holzphysik
	Burgert, Ingo Holz und Holzwerkstoffe
	Burgert, Ingo Werkstoffe I und IV

Civil, Environmental and Geomatic Engineering	Burgert, Ingo, Rüggeberg Markus, Hass Philipp Werkstoffe III
	Eggenschwiler, Kurt, Wunderli Jean Marc Lärmbekämpfung
	Gerecke, Andreas, Henne Stephan Air Pollution Modeling and Chemistry
	Griffa, Michele, Lura Pietro, Wyrzykowski Mateusz Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability
	Henne, Stephan Air pollution modeling and chemistry
	Hofer, Peter, Buchmann Brigitte Luftreinhaltung
	Leemann, Andreas Alkali-aggregate reaction in concrete, part of the «Concrete Science» course
	Lura, Pietro Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability, Civil Engineering Masters
	Lura, Pietro, Mateusz Wyrzykowski, Michele Griffa Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability
	Lura, Pietro, Roman Loser, Mateusz Wyrzykowski, Carmelo Di Bella, Sadegh Ghourchian Werkstoffe III
	Motavalli, Masoud, Czaderski Christoph, Feltrin Glauco, Ghafoori Elyas, Michels Julien, Widmann Robert, Shahverdi Moslem Fibre composite material in structural Engineering
	Partl, Manfred Bituminous Materials
	Partl, Manfred Werkstoffe I
	Pietro, Lura, Roman Loser, Mateusz Wyrzykowski D-BAUG, Projektarbeit 2. Semester: Frisch- und Festbetoneigenschaften
	Steiger, René Holz und Holzwerkstoffe: Ernte, Strukturmerkmale und Produktion von Vollholz
	Wang, Jing Air quality and aerosol mechanics
	Wang, Jing Environment and Computer Laboratory: Air quality measurement
	Wang, Jing, Burlando Paolo, Hellweg Stefanie, Holzner Markus, Maruer Max, Morgenroth Eberhard, Hansjek Irena, Molnar Peter Environmental Engineering Seminars
	Wang, Jing, Schleibinger Hans, Wick Peter Air quality and health impact
Wick, Peter, Jing Wang, Hans Schleibinger Health Impact, Toxicity and Industrial Hygiene	
Wyrzykowski, Mateusz, Lura Pietro, Michele Griffa Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability	
Wyrzykowski, Mateusz, Sadegh Ghourchian Werkstoffe III: Mineralische Bindemittel	
Earth Sciences	Liati, Anthi, Von Quadt Albrecht Advanced Geochronology
Environmental Engineering	Tuchschnid, Martin, Gfeller Urs Mobile Röntgenfluoreszenz-Spektrometrie, 26.2.-12.3. 3x
Environmental Systems Science	Brunner, Dominik Atmosphärenchemie
	Harris, Eliza, Roland Werner, Nina Buchmann Definitions and Standards, as part of the one-week course Isotope Ecology
	Mohn, Joachim, Werner Roland, Buchmann Nina, Siegwolf Rolf Stable Isotope Ecology of Terrestrial Ecosystems
	Nowack, Bernd, Bucheli Thomas Nanomaterials in the Environment
	Nowack, Bernd, Som Claudia Gesellschaftlicher Umgang mit aktuellen Umweltrisiken

Health Sciences and Technology	Annaheim, Simon, Spengler Walder C. Praktikum Sportphysiologie
	Krug, Harald, Viola Vogel and others Frontiers in Nanotechnologie
	Maniura, Katharina, Wong Marcy, Kollmannsberger Philip, Möller Jens Biocompatible Materials
	Maniura, Katharina, Philip Kollmannsberger, Marcy Wong, Simon Hoerstrup, Matthias Steinwachs, Daniel Eberli Principles in Tissue Engineering
	Rossi, René Thermoregulation und Sporttextilien
Information Technology and Electrical Engineering	Rossi, René Sportphysiologie
	Heutschi, Kurt Acoustics 1
	Heutschi, Kurt Acoustics 2
	Sennhauser, Urs, Grossmann Günter Physik der Ausfälle und Ausfallanalyse elektronischer Schaltungen
	Sennhauser, Urs, Held Marcel Zuverlässigkeit von Schaltungen und Systemen
Materials	Tiwari, Ayodhya Nath, Yaroslav Romanyuk, Stephan Buecheler Solar Cells
	Barbezat, Michel, Roth Manfred, Graule Thomas Integrity of Materials and Structures
	Clemens, Frank Verbundwerkstoffe
	Clemens, Frank, Givoanni Terrasi Advanced Composite and Adaptive Material Systems
	Erni, Rolf, H. Gross, F. Krumeich, K. Kunze, C. Solenthaler, R. Wepf Electron Microscopy in Material Science
	Ernst, Karl-Heinz Biomineralization
	Graule, Thomas, Kübler, Jakob Integrity of Materials and Structures
	Graule, Thomas, Niederberger, Markus, Studart, André Keramik I
	Hegemann, Dirk, Ralph Spolenak, Andre R. Studart Materials at Work II
	Heuberger, Manfred, N.D. Spencer, L. Isa Surfaces, Interfaces & their applications
	Kübler, Jakob, A. D. Schlüter Material Science II, part mechanical properties of ceramics
	Schmutz, Patrik, Olga Guseva, Claudia Cancellieri Practical course III/IV: Introduction in Electrochemical Impedance Spectroscopy (EIS), Examples of batteries and anodized barrier oxides characterization
	Terrasi, Giovanni P., Kovacs Gabor Advanced Composite and Adaptive Material Systems
Materials Science	Populoh, Sascha, Brunko Oliver Advanced Composite and Adaptive Material Systems: Thermoelectric materials
	Schmutz, Patrik, A. Beni, B. Elsener Surfaces, Interfaces and their Applications II
	Surace, Yuri, Pokrant Simone Praktikum Materialsynthese und Charakterisierung
Mathematics	Patscheider, Jörg, many others Functional Surfaces
	Patscheider, Jörg, many others Praktikum PIII
Mechanical and Process Engineering	Bergamini, Andrea Adaptive Materials for Structural Applications
	Bergamini, Andrea Adaptive Materials for Structural Applications

Mechanical and Process Engineering	Dimopoulos Eggenschwiler, Panayotis, Boulouchos Konstantinos IC-Engines and Propulsion Systems II
	Hack, Erwin, Brönnimann Rolf Optical Methods in Experimental Mechanics
	Koller, Roland, Guillaume Michel Betriebsfestigkeit
	Kovacs, Gabor Seilbahnen
	Mazza, Edoardo Continuum Mechanics for Engineers
	Mazza, Edoardo Mechanik I
	Mazza, Edoardo Mechanik I (Kolloquium)
	Mazza, Edoardo Non linear continuum mechanics
	Spiteri, Alexander, Roesgen Thomas Experimental Methods for Engineers
	Spiteri, Alexander, von Rotz Beat, Herrmann Kai Diagnostics in Combustion Research
	Terrasi, Giovanni P. GL zum Bemessen von Kunststoffbauteilen
	Zemp, Armin Turbomachinery Mechanics & Dynamics
Technology in Architecture	Defraeye, Thijs Building Physics II: Moisture
	Defraeye, Thijs, Jan Carmeliet Moisture and Durability
Faculty of material science and ceramics	Graule, Thomas Synthesis of nanosized particles and their application in nanoceramics and nanocomposite technology
Solid State Physics	Utke, Ivo Novel Concepts for 3D Nanoengineering
Elektrotechnik	Züttel, Andreas Energiespeicher
Atmospheric Chemistry Modelling Laboratory	Reimann, Stefan, Takahama Satoshi Measurements of air pollutants
Basic science	Züttel, Andreas Hydrogen cycle
Doctoral School EDOC	Hoffmann, Patrik, Utke Ivo Nanofabrication with focused electron and ion beams
Doctoral School for photonics EDPO	Nüesch, Frank, Yaroslav Romanyuk (Empa), Franz Haug (EPFL) Modern Photovoltaic Technologies
EDPO-Doctoral school	Romanyuk, Yaroslav, Nüesch Frank, Haug Franz-Josef Modern photovoltaic technologies
EPL	Lüthi, Thomas Non-destructive Evaluation Methods
Faculty of Engineering / Materials Science Doctoral School	Kuzminykh, Yury, Hoffmann Patrik Laser Processing of Materials
Institut für Materialwissenschaften	Nüesch, Frank Organic Semiconductors (lecture 2h per week, exercise 1h per week)
Institute of Micro-Engineering Neuchâtel	Dommann, Alex Reliability of MEMS & MEMS Testing
Materials Science and Engineering	Philippe, Laetitia, Mischler Stefano, van Herle Jan Electrochemistry for materials technology
	Utke, Ivo, Hoffmann Patrik MSE 619 Nanofabrication with Focused Electron and Ion Beams
Materials Science, Laboratory of Construction Materials	Lothenbach, Barbara Thermodynamic modelling and determining solid solution limits
Materials Sciences	Michler, Johann, Vaucher Sebastien Materials Selection

**École Polytechnique
Fédérale, Lausanne (EPF)**

Fachhochschule Horw

**Fachhochschule
Nordwestschweiz**

Hochschule Luzern HSLU

**Höhere Fachschule für
Technik und Management,
Wallisellen**

**International Packaging
Institute Schaffhausen**

**International Summer
School on Physics at
Nanoscal, Prag, CZ**

**Königlich Technische
Hochschule Stockholm, SE
Neues Technikum Buchs,
Buchs**

**Pädagogische Hochschule,
Luzern**

**Schweizerisches
Verpackungsinstitut, Zürich**

**Technical College TSH
Pfäffikon**

**Technische Universität
München, Iffeldorf, DE**

**Technische Universität
Kaiserslautern, DE**

**Technische Universität
Freiberg, DE**

**UFRN (Universidade Federal
do Rio Grande do Norte),
Natal, BR**

**UNIS, Longyearbyen,
Spitzbergen, Longyearbyen,
Svalbard, NO**

**Univeristy of Applied
Sciences, Sion**

**Universita degli studi di
Parma, Parma IT**

**Universität Freiburg im
Breisgau, DE**

Microtechnique	Hoffmann, Patrik Chimie des Surfaces
Microtechnique; Materials Science and Engineering, Mechanical Engineering	Hoffmann, Patrik Laser Microprocessing
School of Engineering, STI	Vaucher, Sébastien, Siegmann Stephan, Michler Johannes Materials Selection
Bautechnik	Piskoty, Gabor Metallische Baustoffe
	Wäger, Patrick Studiengang Energie- und Umwelttechnik: Modul Abfallwirtschaft und Recycling
Energie- und Umwelttechnik	Gerecke, Andreas, Bogdal Christian Umweltchemie
Life Sciences	Schmid, Peter, Zennegg Markus Environmental risk assessment
Engineering and Architecture	Dorer, Viktor Natural and Urban Ventilation
	Hischier, Roland Ökologie
International Packaging Institute, Fachhochschule Konstanz, DE	Faller, Markus Corrosion
Physics	Schmutz, Patrik Electrochemical characterization and medical implants: Corrosion issues and electrochemical methodologies. Biodegradable Mg implants characterization
Highway and Railway Engineering	Partl, Manfred Advanced Pavement Engineering Analysis and Design
Systemingenieurs- Ausbildung	Schütz, Philipp Mehr-dimensionale Analysis (und Schwingungslehre)
Naturwissenschaften und ihre Didaktik - Schwerpunkt Physik	Heuberger, Manfred Nanotechnology
Pädagogische Hochschule Luzern	Gröning, Oliver Einführung in die Nanotechnologie
Packaging Manager / Grundlagenseminar	Hischier, Roland Ökologie im Verpackungsbereich
	Partl, Manfred Baustoffkunde
Limnologische Station	Jacob, Peter Einführung in die Rasterelektronenmikroskopie
Mechanical Engineering	Leinenbach, Christian High performance metallic materials
Verfahrens- und Umwelttechnik	Graule, Thomas, Aneziris, Christos Nanoskale Verbundwerkstoffe: Eine Herausforderung für die Prozesstechnik
Materials Engineering	Clemens, Frank Composite Materials
Arctic Technology	Reimann, Stefan, Schmidbauer Norbert Techniques for the Detection of Organo-Chemical Pollutants in the Arctic Environment
Chemistry	Emmenegger, Lukas Air Pollution
Energia	Dimopoulos Eggenschwiler, Panayotis, Agostino Gambarotta Fisica Ambientale
	Dimopoulos Eggenschwiler, Panayotis, Gambarotta Agostino IC-Engines
	Dimopoulos Eggenschwiler, Panayotis, Agostino Gambarotta Industrial Engineering
Fakultät für Chemie, Pharmazie und Geowissenschaften	Vogt, Ulrich Angewandte Mineralogie mit dem Schwerpunkt Keramik

Universität Freiburg im Breisgau, DE

Fakultät für Chemie, Pharmazie und Geowissenschaften **Vogt, Ulrich**
Technical and Applied Mineralogy / CRY5 631 Modern Ceramics, Cements, and Glasses

Forest Sciences **Schubert, Mark**
Dendrologie

Schwarze, Francis
Holzpathologie

Schwarze, Francis
Holzschutz I

Schwarze, Francis
Holzschutz II

Hischier, Roland
Ökologie im Verpackungsbereich

University of Applied Sciences, Berne

Institut für Angewandte Physik **Bleiner, Davide, Balmer Jürg**
Festkörperphysik

Medical Faculty **Krug, Harald, Christophe von Garnier, Barbara Rothen, Andreas Schönenberger**
Environment-related Diseases: from Climate Change to Nanotoxicology

Oeschger Center **Krug, Harald, Michael Riffler, Christoph Raible, Martin Grosjean**
Graduate School of Climate Sciences

University of Applied Sciences, Biel

Institute of Applied Laser, Photonics and Surface Technologies ALPS **Utke, Ivo**
Matériaux modernes

University of Applied Sciences, Horw

Eggenschwiler, Kurt
Bau-/Raumakustik CAS Akustik

all Dep. **Amberg, Martin, Hegemann Dirk**
Blockwoche Nanotech 2014

Bautechnik **Losser, Roman**
Beton und Bindemittel

University of Applied Sciences, Muttenz

Eggenschwiler, Kurt, Hafner Michael, Heutschi Kurt, Schoenwald Stefan, Studer Markus, Tröbs Hans Martin, Würzer Martin, Wunderli Jean Marc
Messpraktikum, CAS Akustik

Institute for Ecopreneurship **Zennegg, Markus**
Environmental Risk Assessment

University of Applied Sciences, Rapperswil

WERZ **Wäger, Patrick, Böni, Heinz, Widmer, Rolf**
Recycling und umweltgerechte Entsorgung

University of Applied Sciences, St. Gall

Business Administration and Engineering **Wäger, Patrick, Gauch, Marcel, Hischier, Roland**
MAS BAE, "Umwelt- und Ressourcenmanagement"

University of Applied Sciences, Wädenswil

Eggenschwiler, Kurt
Lärmbekämpfung

Biotechnology **Hügli, Christoph**
Air pollution and air pollution control

Chemistry and Biological Chemistry **Heeb, Norbert, Lienemann Peter**
Ökologie: Chemie und Umwelt

Zennegg, Markus
Ökologie: Chemie und Umwelt

Umwelt und Natürliche Ressourcen **Hügli, Christoph**
Urban Agriculture, Modul Luftqualität

University of Applied Sciences, Winterthur

IBT Institut für Biotechnologie **Gauch, Marcel**
Umweltauswirkungen von Biotreibstoffen

School of Engineering **Luchsinger, Rolf**
Natur, Technik, Systeme

Luchsinger, Rolf
Physik

Verfahrenstechnik, Department of Industrial Technologies **Clemens, Frank, Dirk Penner**
Funktionsmaterialien

Architektur (berufsbegleitend) **Losser, Roman**
Bauchemie, Teil mineralische Baustoffe

T IMPE **Hegemann, Dirk, Toni Schneider, Stephan Siegmann**
Beschichtungen

University of Applied Sciences, Yverdon		Leparoux, Marc Nanoparticles production and coating applications using RF- and DC-plasma technology nanofh – Swiss Master of Advanced Studies in Nano
	Dépt. Formation Continue HEIG-VD	Graule, Thomas Nanopowders and Nanocomposites
University of Applied Sciences, Zurich		Raab, Christiane Materialtechnologie A&B
	Architektur	Raab, Christiane Materialtechnologie A+B (bituminöse Baustoffe)
	Chemie	Faller, Markus Bauchemie Modul Korrosion
University of Applied Sciences, Zurich, Winterthur	Verkehrssysteme	Wunderli, Jean Marc, Bühler Stefan Interaktion Strassenverkehr – Umwelt, Fokus Lärm
University of Basel	Physics	Marioni, Miguel A. , Hug, Hans J. Magnetismus und magnetische Materialien
	Umweltwissenschaften	Reimann, Stefan Umweltsystem Atmosphäre: Luftverschmutzung und Klimaerwärmung
		Reimann, Stefan, Schaub Monika Aktuelle Umweltprobleme in den Geowissenschaften (Klima, Boden, Stoffkreisläufe)
University of Berne	Chemistry and Biochemistry	Fasel, Roman Introduction to the Physics & Chemistry of Surfaces
		Meyer, Veronika R. High-Performance Liquid Chromatography - From Theory to Instruments to Separations
University of Fribourg	Physics	Mauron, Philippe Physik im Alltag
		Züttel, Andreas Physik im Alltag
		Züttel, Andreas Umweltwissenschaften
University of Teheran, Tehran, IR	Faculty of Civil Engineering	Motavalli, Masoud Fibre composite material in structural Engineering
University of Zurich	Archaeology	Senn-Luder, Marianne, Turck Rouven Grundlagenmodul, fächerübergreifend, Archäometrie: Metallurgie
	Chemistry	Borgschulte, Andreas Nanochemistry
		Ernst, Karl-Heinz Chemical Processes at Solid Surfaces
		Ernst, Karl-Heinz, Jan Helbing Chirality in the Physical Sciences
	CUREM	Ghazi Wakili, Karim Bauphysik: Master of Advanced Studies in Real Estate
	Informatics	Hilty, Lorenz Informatik, Ethik und Gesellschaft (FS 2012), Informatik für Ökonomen (FS 2012), Informatik und nachhaltige Entwicklung (HS 2012)
	Physical Chemistry	Borgschulte, Andreas Nanochemistry
	Prähistorische Archäologie	Tuchschnid, Martin, Gfeller Urs Mobile Röntgenfluoreszenz-Spektrometrie 29.10.14
	Nanochemistry and Nanobiology	Krug, Harald Nanomaterials – Improving the Quality of Life
		Krug, Harald Nanotoxicology – a new Discipline with Specific Demands
ZHAW, Zürcher Hochschule für Angewandte Wissenschaften, Winterthur	Bioengineering	Züttel, Andreas Wasserstoff als Energieträger
ZHdK Zurich University of the Arts	Music	Heutschi, Kurt Audiotechnik

Empa Activities 2014

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

Tisserant, J. -N./Brönnimann, R./Hany, R./Jenatsch, S./Nüesch, F. A./Mezzenga, R./Bona, G.L./Heier, J.
Resonance Light Scattering in Dye-Aggregates Forming in Dewetting Droplets. *ACS Nano*. 2014, 8, 10, 10057–10065. (joint paper) *

Zraggen, E./Soganci, I. M./Horst, F./La Porta, A./Dangel, R./Offrein, B. J./Snow, S. A./Young, J. K./Swatoski, B. W./Amb, C. M./Scholder, O./Broennimann, R./Sennhauser, U./Bona, G.-L.
Laser Direct Writing of Single-Mode Polysiloxane Optical Waveguides and Devices. *Journal of Lightwave Technology*. 2014, 32, 17, 3036–3042. (joint paper) *

Media Technology

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Bradbury, C. R./Gomon, J. -K/Kollo, L./Kwon, H./Leparoux, M.

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Patil, J. Y./Nadargi, D. Y./Gurav, J. L./Mulla, I. S./Suryavanshi, S. S.

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Soft Polydimethylsiloxane Thin Elastomeric Films by In Situ Polymerization to be Used as Dielectricum in Actuators. *Macromolecular Materials and Engineering*. 2014, 299, 9, 1126–1133. (joint paper) *
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Empa Activities 2014

Conferences

General Management

Bona, Gian-Luca

Nachhaltigkeit – Schlagwort oder Zukunftsstrategie? 14. Textil Symposium, Bern, 03-03 ♣ ○

Bona, Gian-Luca

Wissenschaft & Industrie: durch Kooperation zur Innovation. Alu-Kongress 2014, Ittingen, 05-16 ♣ ○

Bona, Gian-Luca

Instruments supporting innovation. Swiss Biotech Day, Basel, 08-28 ♣ ○

Bona, Gian-Luca

Von der Vision zur Realität, von der Entdeckung zum innovativen Produkt. Swissemex, Zürich, 08-28 ♣ ○

Bona, Gian-Luca

From Photon to Energy: Thin Film Materials for Light Conversion. Fifth Annual Scialog Conference, Biosphere 2, US, 10-14 to 10-17 ♣ ○

Buchmann, Brigitte

Swiss Contribution to Climate Monitoring Greenhouse Gases. 11th GCOS Roundtable, Zürich, 01-28 ♣ ○

Buchmann, Brigitte

Greenhouse and Reactive Gases, Swiss Contribution to GAW. 25 years Global Atmosphere Watch (GAW), Zürich, 05-07 ♣ ○

Buchmann, Brigitte

Forschung im Bereich Energie an der Empa. 15. Schweizerischer Tag für Physik und Unterricht, Dübendorf, 11-14 ♣ ○

Buchmann, Brigitte

Ökobilanzierung als Instrument der Technologiefolgeabschätzung, Dübendorf, 11-19

Dommann, Alex

HRXRD analysis on GE Devices. Advanced X-ray Diffraction for Semiconductor Materials and Technology, Frankfurt (Oder), DE, 04-03 to 04-04 ♣ ○

Dommann, Alex

Konzepte zur Verkleinerung von Stressgradienten. Zuverlässigkeit für Mikro- und Nanotechnologien, Chemnitz, DE, 04-30 ♣ ○

Dommann, Alex

Interactions between nanotechnology and life sciences. Nanofair 2014, Dresden, DE, 07-01 to 07-03 ♣ ○

Dommann, Alex

How cold emitters could affect the X-Ray imaging. Int. Vacuum Nanoelectronics Conference 2014, Engelberg, 07-08 ♣ ○

Dommann, Alex

How nanotechnology already affects daily life. NanoPL 2014, Krakau, PL, 10-15 to 10-17 ♣ ○

Dommann, Alex

Coating Competence Center. NTN-Oberflächen Annual Event COATING EXCELLENCE, St.Gallen, 10-30 ♣ ○

Dommann, Alex, Tului Mario, Koopmans Rudolf, Günster Jens, Lippert Thomas, Hofmann Heinrich

New developments on Thin Film Processing. Functional Coarings for Innovative Applications, Akademie Dübendorf, 01-21 ♣ ○

Richner, Peter

NEST – gemeinsam an der Zukunft bauen. 9. Schweizer Planertag, Zürich, 02-25 ♣ ○

Richner, Peter

Smart Material und Smart Technologie – wie neue Materialien die Baubranche beeinflussen. IFZ-Konferenz: Real Estate 3.0 – Immobilien und neue Technologien, Zug, 06-05 ♣ ○

Richner, Peter

High Performance Aerogel-based Insulation Materials. Construction and Built Environment: Future Horizons, Brüssel, BE, 06-17 to 06-19 ♣ ○

Advanced Materials and Surfaces

Dinca, Valentina, Dinca Valentina, Mustacios, Cosmin, Sima Livia, Roseanu Anca,, Siringil Erdem,

Böhlen Karl, Dinescu Maria, Hoffmann, Patrik

Bio-interfaces engineering using laser based methods for biomedical applications. HPLA BEP conference, Santa Fe, US, 04-21 to 04-26 ♣ ○

Hoffmann, Patrik

Mask Projection Surface Structuring. High Speed / High Precision - Laser - Microfabrication, Palexpo Geneva, 06-18 ♣ ○

Hoffmann, Patrik

Laser processing of materials – which laser for which material. Workshop „Rapid Prototyping and Laser Formation of Ceramics“, Krakow, PL, 09-08 ♣ ○

Advanced Materials Processing

<p>Hoffmann, Patrik, Böhlen Karl Outcoupling schemes by large area microstructured surfaces. Large-area Solid State Lighting, Muttentz, 10-30 ♣ ○</p>
<p>Hoffmann, Patrik, Reinke Michael Halides, Hydrides, Nitrates and Ni-trosyls as FEBIP Precursors. FEBIP2014 workshop, Frankfurt, DE, 07-21 to 07-25 ♣</p>
<p>Kallip, Kaspar, L.Kollo/C.Bradbury/H.Kwon/M.Leparoux Nanoparticle reinforced Aluminum alloy composites produced by powder metallurgy route. MRS Fall Meeting 2014, Boston, US, 11-30 to 12-05 ◆</p>
<p>Kallip, Kaspar, Leparoux Marc, AIOgab Khaled, Clerc Steve, Deguilhem Guillaume Investigation of CNT reinforcements for fabricating bulk AlMg5 matrix nanocomposites. Junior Euromat 2014, Lausanne, 07-21 to 07-25 ◆</p>
<p>Kallip, Kaspar, Leparoux Marc, AIOgab Khaled, Clerc Steve, Deguilhem Guillaume, Arroyo Yadira Nanoparticle reinforced aluminum alloy composites produced by powder metallurgy route. MRS Fall Meeting, Boston, US, 11-30 to 12-05 ◆</p>
<p>Kim, SeungjinKim, Kwonhoo Kim/Jeonghyung Cho/ Seungchan Cho/ Marc Leparoux/Hansang Kwon Nanoparticles-Reinforced Aluminum Matrix Composite Materials Fabricated by Powder Technology. PACSURF 2014 – Pacific Rim Symposium on Surfaces, Coatings & Interfaces, Hapuna Beach, Hawaii, US, 12-07 to 12-11 ♣</p>
<p>Kwon, Hansang, Kim Seungjin, Kim Kyungju, Leparoux Marc, Kawasaki Akira, Kim Kwonhoo Fabrication of dual-nanoparticles gradient layers-reinforced aluminum matrix composite materials by hot-pressing process. 13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Taua Resort, SP, BR, 10-19 to 10-22 ♣ ○</p>
<p>Kwon, Hansang, Leparoux Marc Mechanical Behavior of Dual nanoparticulate-reinforced Aluminum Alloy Matrix Composite Materials Depending on Milling Time. ISGMA 2014 – International Symposium on Green Manufacturing and Applications, Busan, KR, 06-24 to 06-28 ♣</p>
<p>Kwon, Hansang, Leparoux Marc, Kawasaki Akira Dual-nanoparticles-reinforced aluminum alloy nanocomposites fabricated by hot compaction process. Autumn Meeting of Japan Society of Powder and Powder Metallurgy, Osaka, JP, 10-29 to 10-31 ♣ ○</p>
<p>Meylan, Bastian, Ciani Dario, Equis Sébastien, Wasmer Kilian, Hoffmann Patrik High Temperature Vacuum Tribometer with In-situ Observation of the Wear Track by Digital Holographic Microscop. 3rd European Symposium on Friction, Wear and Wear Protection, Karlsruhe, DE, 05-06 to 05-08 ♣</p>
<p>Meylan, Bastian, Dario Ciani, Sébastien Equis, Kilian Wasmer, Patrik Hoffmann Analyse de l'usure de revêtements durs par microscopie holographique numérique. Journées technique SGO-SST, Solothurn, 05-13 to 05-14 ♣</p>
<p>Ponomarev, Evgeniy, Reinke Michael/Kuzminykh Yury/Hoffmann Patrik Study on the decomposition efficiency of TTIP precursors in high vacuum chemical vapor deposition of TiO₂. CMi Annual Meeting, Lausanne, 05-06 ◆</p>
<p>Reinke, Michael, Kuzminykh Yury/Hoffmann Patrik SHADOW MASK HIGH VACUUM EMICAL VAPOR DEPOSITION. CMi Annual Meeting, Lausanne, 05-06 ◆</p>
<p>Reinke, Michael, Kuzminykh Yury/Hoffmann Patrik Full Wafer TiO₂ Deposition by Simultaneous Exposure with Titanium (IV) Isopropoxide and Water within the ALD Window in a High Vacuum CVD Reactor. 14th International Conference on Atomic Layer Deposition, Kyoto, JP, 06-15 to 06-18 ♣</p>
<p>Reinke, Michael, Kuzminykh Yury/Hoffmann Patrik Selective Area HV-CVD of TiO₂ on Functionalized Surfaces below Pyrolytic Decomposition Temperatures. 1st Belux Workshop on Coating, Materials, Surfaces and Interfaces, Belvaux, LU, 09-11 to 09-12 ♣</p>
<p>Reinke, Michael, Kuzminykh Yury/Hoffmann Patrik Selective Area HV-CVD of TiO₂ on Functionalized Surfaces below Pyrolytic Decomposition Temperatures. 40th International Conference on Micro and Nano Engineering, Lausanne, 09-22 to 09-26 ♣</p>
<p>Reinke, Michael, Kuzminykh Yury/Hoffmann Patrik Selective Area HV-CVD of TiO₂ on Functionalized Surfaces below Pyrolytic Decomposition Temperatures. PhD Symposium 2014, St. Gallen, 10-21 ♣</p>
<p>Reinke, Michael, Ponomarev Evgeniy/Kuzminykh Yury/Hoffmann Patrik Surface Kinetics of Titanium (IV) Tetraisopropoxide Studied by Combinatorial High Vacuum Chemical Vapor Deposition. 17th International Conference on Metalorganic Vapor Phase Epitaxy, Lausanne, 07-13 to 07-18 ◆</p>
<p>Rowthu, Sriharitha, Balic Edin, Hoffmann Patrik Influence of Porosity/Density and Lubrication on Tribological Re-sponse of Mesoporous Alumina. Friction, Wear and Wear Protection Conference, Karlsruhe, DE, 05-06 to 05-08 ♣</p>
<p>Rowthu, Sriharitha, Balic Edin, Hoffmann, Patrik Liquid-Repellent Wear-Resistant Material. CCMX Annual meeting, 2014, Bern, 05-08 ◆</p>
<p>Saeidi, Fatemeh, Meylan Bastian, Hoffmann Patrik, Wasmer Kilian Effect of surface texturing on cast iron reciprocating against steel under starved lubrication condition. Swiss-Japanese Tribology Meeting 2014: Energy Savings through Tribology, ETH Zurich, 09-08 to 09-10 ◆</p>
<p>Saeidi, Fatemeh, Meylan Bastian, Wasmer Kilian, Hoffmann Patrik Wear mechanism variation of cast iron-steel tribo pair by surface texturing. 3rd European Symposium on Friction, Wear and Wear Protection, Karlsruhe, DE, 05-06 to 05-08 ♣</p>

Stucki, Janick, Stucki Andreas, Siringil Erdem, Böhlen Karl, Wasmer Kilian, Guenat Olivier T.	Development of a fabrication method for a novel cell culture membrane. CTI Medtech Event, Bern, 09-02 ◆ ○
Vaucher, Sébastien, Kotaro, Ishizaki, Stir, Manuela, Cervellino Antonio, Catala-Civera Jose-Manuel, Nicula Radu	In situ time-resolved synchrotron radiation studies of oxide ceramics during ultrafast microwave heating. ISEPD2014, Hanoi, VN, 01-12 to 01-14 🍄 ○
Vaucher, Sébastien, Mokso Rajmund, Ishizaki Kotaro, Stir Manuela, Nicula Radu	Dynamic High-Temperature Monitoring of Microwave Energy Absorption and Heating of Materials with Ultrafast In Situ Synchrotron X-Ray Tomographic Microscopy and Powder Diffraction Techniques. 3DMS-2nd International Congress on 3D Materials Science, Annecy, FR, 06-29 to 07-02 🍄
Arroyo Rojas Dasilva, Yadira	Analysis of structural defects in Ge crystals grown on (001)-Si substrates. Topical day: Electron microscopy: Imaging and analytics, Dübendorf, 09-22 🍄
Arroyo Rojas Dasilva, Yadira, Rolf Erni, Pierangelo Gröning, Fabio Isa, G. Isella, Thomas Kreiliger and Hans von Känel.	Analysis of structural defects in three-dimensional Ge crystals grown on (001)-Si substrates. International Microscopy Conference (IMC2014), Prague, CZ, 09-07 to 09-12 ◆
Erni, Rolf	MRS Spring Meeting. Symposium DDD: Atomic-Resolution Analytical Electron Microscopy of Disruptive and Energy-Related Materials, San Francisco, US, 04-22 to 04-23 ■
Erni, Rolf	The 3rd Swiss-NanoTP COST workshop, ETH Zurich, 05-05 ■
Erni, Rolf	2D Materials Studied by TEM: Possibilities and Pitfalls. International Symposium on Synthetic Two-Dimensional Polymers, ETH Zurich, 06-02 to 06-03 🍄 ○
Erni, Rolf	Low-Loss Electron Energy-Loss Spectroscopy. SuperSTEM Summer School, Daresbury, GB, 07-04 to 07-07 🍄 ○
Erni, Rolf	Aberration-corrected atomic-resolution electron microscopy for advanced materials characterization. E-MRS Fall Meeting, Warsaw, PL, 09-15 to 09-18 🍄 ○
Erni, Rolf	Electron Microscopy: Imaging and Analytics (Empa Topical Day), Dübendorf, 09-22 ■
Erni, Rolf	True and gentle atomic resolution imaging by aberration corrected electron microscopy. CCMX Technology Aperitif "Exploring Materials Down to the Atomic Scale", ETH Zurich, 11-03 🍄 ○
Erni, Rolf	Essentials of TEM and STEM investigations. CCMX Course: Combining Structural & Analytical Investigations of Matter at the Micro-, Nano- and Atomic Scale, ETH Zurich, 11-03 to 11-07 🍄 ○
Erni, Rolf	Overview of alternative methods in STEM/TEM imaging. CCMX Course: Combining Structural & Analytical Investigations of Matter at the Micro-, Nano- and Atomic Scale, ETH Zurich, 11-03 to 11-07 🍄 ○
Erni, Rolf	SSOM: Swiss Society for Optics and Microscopy: Fall Meeting Microscopy Section, Dübendorf, 11-04 ■
Erni, Rolf, Haider Max.	Microscopy and Microanalysis 2014, Session: A15 Cs-Correctors: Current State and Ongoing Developments, Hartford CT, US, 08-04 to 08-07 ■
Erni, Rolf, Keller Debora	Valence Electron Energy-Loss Spectroscopy in the Scanning Transmission Electron Microscope for Measuring Optical Properties on the Nanometer Scale. SCANDEM 2014, Linköping, SE, 06-10 to 06-13 🍄 ○
Erni, Rolf, Rossell Marta D., Borgschulte Andreas	Surface Reduction in Monoclinic BiVO ₄ for Photocatalytic Applications. Microscopy and Microanalysis 2014, Session: A7 Microscopy and Spectroscopy for Power Generation and Energy Storage, Hartford CT, US, 08-03 to 08-07 🍄
Ilari, Gabriele, Anja Bonatto Minella, Darius Pohl, Fredrik Hage, Quentin Ramasse, Yucheng Zhang, Marco Cantoni, Fabienne Bobard, Niklaus Kränzlin,, Markus Niederberger, Rolf Erni	Carbon-Metal Interfaces Analyzed by TEM: how Copper and Nickel Contact to MWCNTs and Graphite. The 3rd Swiss-NanoTP COST workshop, ETH Zürich, 05-05 🍄 ○
Ilari, Gabriele, Bonatto Minella Anja, Pohl Darius, Hage Fredrik, Ramasse Quentin, Zhang Yucheng, Cantoni Marco, Bobard Fabienne, Kränzlin Niklaus,, Niederberger Markus, Erni Rolf	Carbon-Metal Interfaces Analyzed by TEM: how Copper and Nickel Contact to MWCNTs and Graphite. MRS Spring Meeting 2014, San Francisco, US, 04-21 to 04-25 🍄
Ilari, Gabriele, Chawla Vipin/Zhang Yucheng/Hage Fredrik/Ramasse Quentin/Niederberger Markus/Erni Rolf	How d-Orbital Vacancies in Transition Metals affect their Interface towards MWCNTs. PhD Symposium: Look Closer, Empa St. Gallen, 10-21 🍄

Ilari, Gabriele, V. Chawla, Y. Zhang, R. Erni

How Metals Interact with MWCNTs: A HRTEM and EELS Analysis of Transition Metal – MWCNT Interfaces. Topical Day Empa Electron Microscopy: Imaging and Analytics, Empa Dübendorf, 09-22 ♣ ○

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pianezzi Fabian/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Erni Rolf/ Tiwari Ayodhya N.

Local band gap measurements of thin film solar cells by VEELS. MRS Spring Meeting 2014, San Francisco, US, 04-21 to 04-25 ♣

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pianezzi Fabian/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Erni Rolf/ Tiwari Ayodhya N.

Characterization of local electronic properties of CIGS thin film solar cells by VEELS and in-line holography. E-MRS Spring Meeting 2014, Lille, FR, 05-26 to 05-30 ♣

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pianezzi Fabian/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Rossell Marta/ Erni Rolf/ Tiwari Ayodhya N.

Opportunities and challenges in local band gap measurements by VEELS: the case of CIGS solar cells. INTERFACES IN SEMICONDUCTORS – building understanding across the scales, Oslo, NO, 10-22 to 10-23 ♣ ○

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Rossell Marta/ Erni Rolf/ Tiwari Ayodhya N.

Local electronic characterization of CIGS by VEELS and in-line electron holography. Topical Day Empa Electron Microscopy: Imaging and Analytics, Empa Dübendorf, 09-22 ♣

Rossell, Marta D.

Transmission Electron Microscopy: More than an Imaging Tool. Not Strictly Inorganic Chemistry Meeting (NoSIC 6), Prullans de Cerdanya, ES, 06-04 to 06-06 ♣ ○

Rossell, Marta D., Erni Rolf

Surface Reduction in Monoclinic BiVO₄. MRS Spring Meeting 2014, San Francisco, US, 04-21 to 04-25 ♣

Zhang, Yucheng, Carlos Guerra-Nuñez, Ivo Utke, Rolf Erni

TEM characterization of ALD-grown TiO₂ on CNT. The 3rd Annual Conference and EXPO of AnalytiX-2014, Dalian, CN, 04-25 to 04-28 ♣ ○

Zhang, Yucheng, Carlos Guerra-Nuñez, Ivo Utke, Rolf Erni

TEM characterization of ALD-grown TiO₂ on CNT. The 3rd Swiss-NanoTP COST workshop, ETH, Zürich, 05-05 ♣

Boudoire, F., Toth R., Heier J., Constable E., Braun A.

Visible Light Trapping in Microstructured Oxide Photoanodes for Solar Water Splitting. MRS Spring Meeting, San Francisco, US, 04-21 to 09-25 ◆

Boudoire, F., Toth R., Heier J., Constable E., Braun A.

Impact of photonic light-trapping on photoelectrochemical water splitting in hematite coated mW₀₃, pheroids. E-MRS Spring Meeting, Lille, FR, 05-26 to 05-30 ♣ ○

Dünki, Simon, F. Nüesch, D. Opris

Polar silicones for dielectric elastomer actuators. SCS Polycoll Meeting, Dübendorf, 06-20 ◆

Dünki, Simon, F. Nüesch, D. Opris

Polar silicones for dielectric elastomer actuators. SCS Fall meeting, Zürich, 09-11 ◆

Dünki, Simon, F. Nüesch, D. Opris

Polar silicones for dielectric elastomer actuator. Empa PhD Symposium, St.Gallen, 10-21 ◆

Dünki, Simon, M. Alexandru, A. Bele, M. Cazacu, F. Nüesch, C. Racles, D. Opris

Influence of polar groups in the dielectric constant of silicones. Makromolekulares Kolloquium Freiburg, Freiburg, DE, 02-26 to 02-28 ♣ ○

Dünki, Simon, M. Grossmann, A. Cuanca

Manipulation of epitaxial growth. CCMX Winterschool, Kandersteg, 02-02 to 02-07 ♣ ○

Hany, Roland

Impact of photonic light-trapping on photoelectrochemical water splitting in hematite coated mW₀₃, pheroids. E-MRS Spring Meeting, Lille, FR, 05-26 to 05-30 ♣ ○

Hany, Roland

Woven Electrodes for Flexible Organic Solar Cells. 2nd Int. Symp. On Energy Challenges & Mechanics, Aberdeen, GB, 08-19 to 08-21 ♣

Hany, Roland

Photochemical Transformations in Fullerene and Molybdenum Oxide Affect the Stability of Bilayer Organic Solar Cells. XIII Brazilian MRS, Joao Pessao, BR, 09-28 to 10-02 ♣

Heier, Jakob, Peng C., Véron A. C., Geiger T., Hany T., Nüesch F.A.

Cyanine d○ in solid state organic heterojunction solar cells. SPIE OPTICS & PHOTONICS 2014, San Diego, US, 08-17 to 08-21 ♣ ○

Jenatsch, Sandra, F.Nüesch, R. Hany, A. Veron, M. Neukom, S. Züfle, A. Borgschulte, B. Ruhstaller

Influence of molybdenum oxide interface solvent sensitivity on charge trapping in bilayer cyanine solar cells. Dursol 2014, Winterthur, 02-05 to 02-06 ♣ ○

Jenatsch, Sandra, F.Nüesch, R. Hany, A. Veron, M. Neukom, S. Züfle, A. Borgschulte, B. Ruhstaller

Influence of molybdenum oxide interface solvent sensitivity on charge trapping in bilayer cyanine solar cells. E-MRS Spring Meeting, Lille, FR, 05-26 to 05-30 ◆

- Jenatsch, Sandra, F.Nüesch, R. Hany, A. Veron, M. Neukom, S. Züfle, A. Borgschulte, B. Ruhstaller**
Influence of molybdenum oxide interface solvent sensitivity on charge trapping in bilayer cyanine solar cells. SimOEP' 14, Mallorca, ES, 10-01 to 10-03 🍄 ○
- Ko, Yee Song, F. Nüesch, D. Opris**
Poleable nanoparticles as fillers towards non-linear optically active actuators. SCS Fall meeting, Zürich, 09-11 ♦
- Ko, Yee Song, F. Nüesch, D. Opris**
Poleable nanoparticles as fillers towards non-linear optically active actuators. Empa PhD Symposium, St.Gallen, 10-21 🍄 ○
- Nüesch, Frank**
Cyanine dye solid state organic semiconductor devices. Matériaux et Nanosciences Alsace, Strasbourg, FR, 10-17 🍄
- Nüesch, Frank**
Cyanine Dye Solid State Optoelectronic Devices. ISMEN 2014, Tainan, TW, 09-03 to 09-05 🍄
- Nüesch, Frank**
Cyanine dye solid state organic semiconductor devices. SBPMAT 2014, Joao Pessao, BR, 09-28 to 10-02 🍄
- Nüesch, Frank, D.Opris**
Annual Meeting of the Division of Polymers Colloids and Interfaces of the SCS. PolyColl Meeting 2014, Dübendorf, 06-20 ■
- Nüesch, Frank, M.V.G. Vismara, Geiger T., Nüesch F. & Graeff C.F.O.**
Charge transfer study in organic compound by Light-induced ESR for application in photovoltaics. XIII Encontro da SBPMat, Joao Pessao, BR, 09-28 to 10-02 ♦
- Opris, Dorina**
Conductive nanoparticles fillers in elastomers for actuators. Swiss Nano-convention 2014, Baden, 05-21 🍄
- Opris, Dorina**
Silicones with increased permittivity for actuators. ABB Baden, Baden, 06-16 🍄
- Opris, Dorina**
Annual PollyColl Meeting 2014, Empa Dübendorf, 06-20 ■
- Quinsaat, Jose-Enrico, Y. Ko, F. Nüesch, D. Opris**
Poleable nanoparticles as fillers towards non-linear optically active actuators. SCS Fall meeting, Zürich, 09-11 ♦
- Quinsaat, Jose-Enrico, Y. Ko, F. Nüesch, D. Opris**
Poleable nanoparticles as fillers towards non-linear optically active actuators. Empa PhD Symposium, St.Gallen, 10-21 🍄 ○
- Schlagenhauf, Lukas, Buerki-Thurnherr T., Wick P., Nüesch F., Wang J.**
Toxicity of abraded particles from an epoxy/carbon nanotube composite. Nanotox 2014, Antalya, TR, 04-23 to 04-26 ♦
- Schlagenhauf, Lukas, Buerki-Thurnherr T., Wick P., Nüesch F., Wang J.**
Toxicity of Abraded Particles from an Epoxy/Carbon Nanotube Composite. CLINAM 7, Basel, 06-23 to 06-25 🍄
- Tisserant, Jean-Nicolas, Hany R.; Mezzenga R.; Heier J.**
Growth and Alignment of Thin Film Organic Single Crystals from Dewetting Patterns. E-MRS Spring Meeting, Lille, FR, 05-27 to 05-29 🍄 ○
- Tisserant, Jean-Nicolas, Hany R.; Mezzenga R.; Heier J.**
Growth and Alignment of Thin Film Organic Single Crystals from Dewetting Patterns. ICSM 2014 Meeting, Turku, FI, 06-30 to 07-05 🍄 ○
- Veron, Anna, Zhang H., Peng C., Heier C., Linden A., Hany R., Nüesch F. & Geiger T.**
Near infrared absorbing colorants with application in light to energy conversion. HOPV Conference, Lausanne, 05-11 to 05-14 ♦
- Wang, Lei**
Cyanine dye polyelectrolytes for organic bilayer solar cells. World Polymer Congress 2014, Chiang Mai, TH, 07-06 to 07-11 🍄 ○
- Zhang, Hui, F.Nüesch / R.Hany**
Photochemical Transformations in Fullerene and Molybdenum Oxide Affect the Stability of Bilayer Organic Solar Cells. SFSC 2014, Dalian, CN, 10-21 to 10-24 🍄 ○
- Zhang, Hui, F.Nüesch / R. Hany**
Photochemical Transformations in Fullerene and Molybdenum Oxide Affect the Stability of Bilayer Organic Solar Cells. Photonics Day 2014, Lausanne, 11-14 ♦
- Zhang, Hui, R.Hany / F. Nüesch**
Light Induced Degradation Mechanism of Cyanine Dye / Fullerene Organic Solar Cells. DURAL 2014, Winterthur, 02-06 to 02-07 ♦
- Zhang, Hui, S. Jenatsch, F. Nüesch, R. Hany**
Photochemical Transformations in Fullerene and Molybdenum Oxide Affect the Stability of Bilayer Organic Solar Cells. Empa PhD symposium, St.Gallen, 10-21 ♦
- Bora, Debajeet K.**
1. Artificial photosynthetic hetrostructure electrode with dual functionalities : water splitting and charge storage.
2. In situ UHV electrochemical flow cell and operando X- ray spectroscopic study o. MRS Spring Meeting 2014, San Francisco, US, 04-22 to 04-25 🍄

Bora, Debajeet K.

Photoelectrochemical water splitting on a solution processed ZnO nanoparticulate film. 13th Intern. Conference on Sustainable Energy Technologies, Geneva, 08-25 to 08-28 🍄

Bouidoire, Florent

Photonic light-trapping in oxid photoanode microstrures for water splitting. COST CM1104, Barcelona, ES, 11-12 to 11-14 🍄

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Impact of photonic light-trapping on photoelectrochemical water splitting in hematite coated mW03 microspheroids. 30th annual meeting of the Swiss Working Group on Surface and Interface Science, Fribourg, Switzerland, 01-24 ♦

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Self-organized Micron-scale Architectures for Photonic Visible Light Trapping in Metal Oxide Water Splitting Photoanodes. Seminar at iThemba Labs, iThemba Labs, Somerset, ZA, 03-11 🍄 ○

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Self-organized Micron-scale Architectures for Photonic Visible Light Trapping in Metal Oxide Water Splitting Photoanodes. Seminar at University of Pretoria, University of Pretoria, Pretoria, ZA, 03-14 🍄 ○

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Visible Light Trapping in Microstructured Oxide Photoanodes for Solar Water Splitting. DoE PEC Working Group Meeting, Stanford, San Francisco, California, US, 04-21 🍄 ○

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Visible Light Trapping in Microstructured Oxide Photoanodes for Solar Water Splitting. MRS Spring meeting, Symposium F: Controlling the interaction between Light and Semiconductor Nanostructures for Energy Applications, San Francisco, US, 04-21 to 04-25 ♦

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Light Management in Nanostructured Water Splitting Photoanodes. Swiss Nanoconvention, Brugg Windisch, 05-21 to 05-22 ♦

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Impact of photonic light-trapping on photoelectrochemical water splitting in hematite coated mW03 microspheroids. E-MRS Spring meeting, Symposium I: Solution Processing and Properties of Functional Oxide Thin Films and Nanostructures, Lille, FR, 05-27 to 05-31 🍄

Bouidoire, Florent, R. Toth, J. Heier, A. Braun, E. C. Constable

Self-organized Micron-scale Architectures for Photonic Visible Light Trapping in Metal Oxide Water Splitting Photoanodes. IPS-20, the 20th International Conference on Conversion and Storage of Solar Energy, Berlin, DE, 07-28 to 08-01 🍄

Bouidoire, Florent, R Toth, J Heier, A Braun, E C Constable

Photonic Light-Trapping in Oxide Photoanodes Microstructures for Water Splitting. Empa PhD Symposium 2014, Empa, St Gallen, 10-21 ♦

Bouidoire, Florent, R Toth, J Heier, A Braun, E C Constable

Shining light on water splitting photoanode microstructure self-assembly. 6th Joint BER II and BESSY II User Meeting, Berlin, DE, 12-03 to 12-05 🍄 ○

Braun, Artur

Vortrag "Solar Water Splitting Activities at Empa: towards artificial photosynthesis (AP) with photoelectrochemical cells (PEC)". TNO Workshop, Empa Dübendorf, 02-06 🍄 ○

Braun, Artur

Iron oxide: towards a low-cost and functional photo-electrode for solar water splitting. iTHEMBA LABS Seminar, Stellenbosch, South Africa, ZA, 03-12 🍄 ○

Braun, Artur

Observation of the photo-electrochemical water oxidation process with in situ synchrotron valence band spectroscopy. Swiss South African Joint Research Project Workshop on Solar Fuels, Pretoria, South Africa, ZA, 03-13 to 03-14 🍄 ○

Braun, Artur

2015 Materials Research Society (MRS) Spring Meeting, San Francisco, California, US, 04-06 to 04-10 ■

Braun, Artur

Monitoring the Crossover from Hydrates to Hydrides to Proton Conductors with In-Situ X-Ray and Neutron Scattering and Spectroscopy. MRS Spring Meeting 2014, San Francisco, US, 04-21 to 04-29 🍄 ○

Braun, Artur

Operando and In-Situ Studies on SOFC Anodes and Electrolytes with X-Ray and Neutron Scattering and Impedance Spectroscopy. MRS Spring Meeting 2014, San Francisco, US, 04-21 to 04-29 🍄 ○

Braun, Artur

Solar water splitting: everything around iron oxide. JCAP "Joint Center for Artificial Photosynthesis" Seminar, Berkeley, California, US, 04-25 🍄 ○

Braun, Artur

Solar water splitting: everything around iron oxide. Chemistry Seminar, Arizona State University,, Tempe, Arizona, US, 04-29 🍄 ○

Braun, Artur

Solar water splitting: everything around iron oxide. Los Alamos National Laboratory, DOE Energy Frontier Research Center "Center for Advanced Solar Photophysics" (CASP). Los Alamos, New Mexico, US, 05-01 🍄 ○

Braun, Artur	Solar water splitting: everything around iron oxide. 562 WE Heraeus Seminar 11-16 May 2014, Bad Honnef From Sunlight to Fuels – Novel Materials and Processes for Photovoltaic and (Photo)Catalytic Applications, Bad Honnef, Deutschland, DE, 05-12 🍄 ○
Braun, Artur	Parameterization of the proton-phonon coupling in proton conducting electrolytes. QUENS/WINS conference, Grenoble, FR, 05-13 to 05-16 🍄
Braun, Artur	Chemical speciation and molecular structure analyses of carbonaceous particulate matter with C1s NEXAFS spectroscopy. GEAF 2014, Karlsruhe, DE, 06-18 to 06-19 🍄
Braun, Artur	(p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes. Swiss Physical Society Meeting 2014, Fribourg, 06-30 🍄
Braun, Artur	Bio-hybrid photoelectrode from iron oxide and algal protein. IPS 20th, Berlin, DE, 07-28 to 08-01 🍄
Braun, Artur	Operando observation of photo-induced electron holes during PEC water splitting. IPS 20, Berlin, DE, 07-31 🍄
Braun, Artur	Parameterization of the proton-phonon coupling in proton conducting electrolytes. Protonenleiter-Konferenz SSPC-17, Seoul, KW, 09-14 to 09-19 🍄 ○
Braun, Artur	(p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes. SSPC-17 Solid State Proton Conductors Conference, Seoul, KR, 09-16 🍄 ○
Braun, Artur	(p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes. 2nd International Workshop on Nanotechnology, Renewable Energy & Sustainability, Xi'an, CN, 09-19 🍄 ○
Braun, Artur	Solar hydrogen production by water splitting in photoelectrochemical cells. Ewha Womans University Chemistry Seminar, Seoul, KR, 09-24 🍄 ○
Braun, Artur	Origin and detection of hole states in DC biased photoelectrochemical water splitting with valence band x-ray and electron spectroscopy. 1st Gerischer-Kolb Symposium, Berlin, DE, 10-15 to 10-17 🍄
Braun, Artur	Surface Analysis and Dynamics. 3rd Ertl Symposium, Berlin, DE, 11-08 to 11-10 🍄 ○
Braun, Artur	Leitung Workshopdiskussion: Energy Research. Tender X-ray Workshop @ Bessy, Berlin, DE, 11-30 to 12-03 🍄 ○
Braun, Artur, Florent Boudoire, Debajeet K. Bora, Greta Faccio, Yelin Hu, Alexandra Kroll, Krisztina Gajda-Schranz, Bongjin S. Mun, Samuel T. Wilson	Artificial Photosynthesis by Solar Water Splitting in Photoelectrochemical Cells with Bio-Electronic Interfaces. SAOG - Swiss Working Group for Surface and Interface Science, Fribourg, 01-24 ♦
Clemens, Frank	New Compounding Process for Nano Powders to Fabricate Ferroelectric Lead Free Fibres by Thermoplastic Processing Route. Electroceramics XIV, Bucharest, RO, 06-16 to 06-20 🍄
Clemens, Frank, Liu, Y., VanGarderen, N., Scharf, D.	Mechanical properties of diatomite based porous granulates prepared in intensive mixer. DKG Jahrestagung, Clausthal-Zellerfeld, DE, 03-24 to 03-27 🍄
Clemens, Frank, Salehi, M. Grobety, B. Karbaum, J. Zwick, M.	Manufacture and Benefit of Ceramic Composite Membranes by Plastic Processes. CIMTEC 2014, Montecatini, IT, 06-09 to 06-13 🍄 ○
Clemens, Frank, Liu, Y., VanGarderen, N.	Investigation of mechanical attrition resistance and redox properties of copper impregnated diatomite based granulates. 3rd CLC Conference, Göteborg, SE, 09-08 to 09-11 🍄
Clemens, Frank, Melnykowycz, M.	CB hybrid composite for medical sensor applications. MC COST Action MP1202, Istanbul, TR, 09-15 to 09-19 🍄 ○
Clemens, Frank, Liu, Y., VanGarderen, N.	Poröse Keramiken für die Energietechnik. Autumn School SFB 920, Freiberg, D, DE, 11-05 to 11-07 🍄
Dalcanale, Federico	Polymer derived ceramics session. ic-cmp3 Conference, Miskolc, HU, 10-06 to 10-10 🍄
Durif, Caroline, Schindler, H.-J. Graule, T.	Mechanical and Structural Properties of Vitrified Bonded Abrasive Material depending on the Glass Composition. CIMTEC 2014, Montecatini, IT, 06-09 to 06-13 ♦
Durif, Caroline	Nanoparticle characterization and nanoparticle shaping. Workshop: Nanopowders and Nanocomposites, Dübendorf, 06-30 to 07-04 🍄

Fleischhauer, Felix, et al

Failure Analysis of Solid Oxide Fuel Cells. Fuel Cells 2014, Amsterdam, NL, 04-02 to 04-04 🍀

Gorjan, Lovro

Ceramic materials for joining to aluminum alloys for wear application. MSE 2014, Darmstadt, DE, 09-22 to 09-24 🍀

Graule, Thomas

Workshop: Talk. PAPPIL, München, DE, 05-26 🍀

Graule, Thomas

Metal oxide nanopowders for photocatalytical applications. CIMTEC 2014, Montecatini, IT, 06-09 to 06-13 🍀 ○

Graule, Thomas

New concepts for the steric stabilization of aqueous and aqueous dispersions. Polish Ceramic Society Conference, Krakau, Poland, PL, 09-08 to 09-12 🍀 ○

Graule, Thomas

Preparation of ceramic polymer nanocomposites – a processing challenge. Baltic Polymer Symposium, Laulasmaa - Tallinn, EE, 09-24 to 09-26 🍀

Graule, Thomas

Poröse Keramiken in der Bakterien- und Virenfiltration. Autumn School SFB 920, Freiberg, D, DE, 11-05 to 11-07 🍀 ○

Graule, Thomas

Molekulare Grundlagen der Stabilisierung keramischer Suspensionen. Symposium: Verfahren zur Aufbereitung keramischer Rohstoffe, Erlangen, DE, 11-27 to 11-28 🍀 ○

Graule, Thomas

Flame spray processed nanoparticles with enhanced photocatalytic activity. MRS Fall Meeting, Boston, US, 11-28 to 12-05 🍀 ○

Klimkevicius, Vaidas

CATIONIC RANDOM AND DIBLOCK BRUSH COPOLYMERS FOR STABILIZATION OF NANOCERAMIC SUSPENSIONS. Chemistry and Chemical Technology, Kaunas, LT, 04-24 to 04-25 ♦

Klimkevicius, Vaidas

Preparation of ceramic polymer nanocomposites – a processing challenge. Baltic Polymer Symposium, Laulasmaa - Tallinn, EE, 09-24 to 09-26 🍀

Knies, Franziska

Benetzungsverhalten von photokatalytisch aktiven Glasuren. Autumn School SFB 920, Freiberg, D, DE, 11-05 to 11-07 🍀 ○

Knies, Franziska, et al

Hydrophilic Ceramic Glazes for Sanitary Ware for Single Firing. CIMTEC 2014, Montecatini, IT, 06-08 to 06-14 ♦

Kübler, Jakob

Aktiv gelötete Komponenten aus Si₃N₄/TiN-Keramik und Stahl. Autumn School SFB 920, Freiberg, D, DE, 11-05 to 11-07 🍀 ○

Kübler, Jakob, Lugovy, M. Orlovskaya, N. Neubert, M. Mitrentsis, E. Subbotin, V. Bächtold, R. Sliuniaiev, V. Aneziris C.G. Graule, T.

Time dependent mechanical properties of Ultra High Temperature ZrB₂ based ceramic composites. ISBB 2014, Honolulu, Hawaii, US, 08-31 to 09-05 🍀 ○

Kübler, Jakob, Scherrer, S.S. Cattani-Lorente, M. Yoon, S. Karvonen, L. Prokant, S. Rothbrust, F.

Post-hot isostatic pressing: A Healing treatment for process related defects and laboratory grinding damage of dental zirconia. Meet the Expert: Implants, Interlaken, 04-28 to 04-29 ♦

Liu, Yujing, Clemens, F.

High performance oxygen carriers for chemical looping combustion process by using architectural structure of nanoparticles. 1st EMPA-PSI COFUND symposium, Villingen, 11-11 ♦

Liu, Yujing, Clemens Frank, Kirchesch Peter

High performance oxygen carriers for chemical looping combustion process by using architectural structure of silica nanoparticles. 2nd Congress of Petrochemistry & Chem. Engineering, Las Vegas, US, 10-25 to 10-31 🍀 ○

Lusiola, Tony, et al

Fabrication KNN nanofibres by e-Spinning. MC COST Action MP1202, Istanbul, TR, 09-15 to 09-19 🍀 ○

Lusiola, Tony, Soppelsa, A. Graule, T. Clemens, F.

Investigation into effect of microstructure on ferroelectric KNL-NTS extruded fibres. Electroceramics XIV, Bucharest, RO, 06-16 to 06-20 🍀

Melnykowycz, Mark, Clemens Frank

Materials for wearable computing sensor product development. 11th Wearable Techn. Conference 214, München, DE, 01-26 to 01-28 🍀 ○

Melnykowycz, Mark, Clemens Frank

Energy Footprint App. Flexible Sensor "Hackathon" -> Meetings based around Horizon 2020 project, Copenhagen, NL, 02-20 to 02-24 🍀 ○

Mitrentsis, Eleni

Wechselwirkungskräfte und deren Beeinflussung bei brechungsindexangepassten Nanopartikel-Dispersionen. Autumn School SFB 920, Freiberg, DE, DE, 11-05 to 11-07 🍀

Regonini, Domenico, A.C. Teloeken, A.P. Garcia, A.K. Alves, A. Braun, F. Clemens Photoelectrochemical study of Anodized TiO ₂ Nanotubes and Electrospun TiO ₂ Fibres. CIMTEC 2014, Montecatini, IT, 06-09 to 06-13 🍀
Regonini, Domenico, Clemens, F. Photoelectrochemical Study of Anodized TiO ₂ and TiO ₂ -Nb doped Nanotubes. 1st EMPA-PSI COFUND symposium, Villingen, 11-11 🍀 ○
Regonini, Domenico, Clemens, F., Koop Alves, A. Evaluation of photoelectrochemical properties of TiO ₂ and TiO ₂ -Nb doped Anodized Nanotubes. IPS 20th, Berlin, DE, 07-28 to 08-01 🍀 ○
Regonini, Domenico, Clemens, F., Schmidt, A. Evaluation of photoelectrochemical properties of TiO ₂ and TiO ₂ -Nb doped Anodized Nanotubes. IPS 20th, Berlin, DE, 07-28 to 07-31 🍀 ○
Regonini, Domenico, Schmidt, A., Alves, A.K., Clemens, F. Photoelectrochemical study of Anodized TiO ₂ Nanotubes (and Electrospun Fibres). CIMTEC 2014, Montecatini, IT, 06-09 to 06-20 ◆
Schabikowski, Mateusz Novel nanocomposite filter media for adsorption-based water treatment. Presentation @ AGH Krakau, Krakau, Poland, PL, 04-07 🍀
Tsekouras, George Electronic conductivity and electrochemical oxygen reduction activity of Cr-substituted (La,Sr)MnO ₃ . MRS Spring Meeting 2014, San Francisco, US, 04-22 to 04-25 🍀
Wang, Jianjun, Artur Braun Solar water splitting: the case of iron oxide. Phototech training school, Szeged, HU, 10-18 to 10-24 🍀
Beni, Alessandra, Lars Jeurgens to be advised. Expert Panel meeting named: "Industrial Materials and Chemistry R&D using Synchrotron Radiation: Before and After Upgrade Phase II, ESRF, Grenoble, FR, 12-04 to 12-05 🍀 ○
Beni, Alessandra, N. Ott, M. Pawelkiewicz, O. Guseva, L. P. H. Jeurgens, P. Schmutz Hard X-Ray Photoelectron Spectroscopy and photoelectrochemistry characterisation of new Al-Cr-Fe Complex Metallic Alloys passive film composition. 65th meeting of the International Society of electrochemistry, EPFL Lausanne, 09-01 to 09-05 🍀
Beni, Alessandra, N. Ott, M. Pawelkiewicz, R. Gaspari, R. Erni, D. Passerone, L. P. H. Jeurgens, P. Schmutz From bulk structure determination to Hard X-Ray Photoelectron characterization of Al-Cr-Fe Complex Metallic Alloys. Swiss Nanoconvention 2014, Brugg, 05-21 to 05-22 ◆
Beni, Alessandra, Schmutz Patrik/Jeurgens Lars Pre-competitive research on industrially relevant material development questions. Expert Panel: "Industrial Materials and Chemistry R&D using Synchrotron Radiation: Before and after Upgrade Phase II, Grenoble, FR, 04.12.2014 to 05.12.2014 🍀 ○
Brodacka, Sylwia, D. Passerone, C. Pignedoli, A. Antusek, L. Jeurgens,, J. Janczak-Rusch, R. Kozubski Molecular dynamics of melting phenomena in Ag, Cu, Ag/AlN and Cu/AlN nanolayers. NANOALLOY COST Action MP0903 Final Conference, Santa Margherita, IT, 04-06 to 04-09 🍀
Chiodi, Mirco, F. Moszner, C. Cancellieri, G. Pigozzi, J. Janczak-Rusch, L.P.H. Jeurgens Nano-size Ag/AlN multilayers for low temperature joining applications. 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10 🍀
Delsante, Simone, G. Borzone, D. Piazza, G. Pigozzi, J. Janczak-Rusch, R. Novakovic Synthesis and melting behaviour of Ag-X (X=Cu, Sn) nanoalloys. NANOALLOY COST Action MP0903 Final Conference, Santa Margherita Ligure, IT, 04-05 to 05-09 ◆
Faller, Markus Korrosionsbelastung metallischer Bauteile in Strassen- und Bahntunneln, an Fassaden und in Schwimmbädern.. Bau und Wissen TFB, Wildeg, 04-03 🍀 ○
Faller, Markus "Aktuelle Aspekte des Korrosionsschutzes im Automobilbau ". 3-Länder-Korrosionstagung in Linz together with GfKORR, ASMET, SGO, TVFA and TU Wien, Linz, AT, 05-08 to 05-09 ■
Faller, Markus GfKORR-Arbeitskreis Korrosion im Bauwesen, Helgoland, DE, 06-02 ■
Faller, Markus Korrosion an Sensormembranen aus nicht rostendem Stahl. GfKORR-Arbeitskreis Korrosion im Bauwesen, Helgoland, DE, 06-02 🍀 ○
Faller, Markus Korrosionsbelastung metallischer Bauteile in Strassen- und Bahntunneln, an Fassaden und in Schwimmbädern. Bau und Wissen TFB, Wildeg, 11-12 🍀 ○
Hauert, Roland,, K. Thorwarth, C.V. Falub, U. Müller, G. Thorwarth,, M. Stiefel, P. Schmutz, B. Weisse, Ch. Affolter, M. Tobler, C. Voisard Failure mechanisms of DLC coated articulating joint replacements. Generalversammlung 2013 der SGO Sektion Deutschschweiz, Empa Akademie Dübendorf, 01-29 🍀
Hauert, Roland Künstliche Gelenk-Implantate: Probleme mit dem Abrieb. TecDay Veranstaltung, Zofingen, 02-25 🍀 ○

<p>Hauert, Roland An Overview of Coatings for Articulating Medical Implants. CIMTEC-Conference, Montecatini Terme, IT, 06-10 ♣ ○</p>
<p>Hauert, Roland, Künstliche Gelenk-Implantate: Probleme mit dem Abrieb. Presentation am Gymnasium Oberwil, Gymnasium Oberwil, 10-29 ♣ ○</p>
<p>Hauert, Roland, D. Bernoulli, A. Wyss, K. Häfliger, K. Thorwarth, G. Thorwarth, R. Spolenak Cohesive & Adhesive Failure and Contact Damage of Diamond-Like Carbon (DLC) Films. 2014 CCMX Annual Meeting, Kursaal Bern, 05-08 ◆</p>
<p>Hauert, Roland, D. Bernoulli, A. Wyss, K. Häfliger, K. Thorwarth, G. Thorwarth, R. Hauert, R. Spolenak Cohesive & Adhesive Failure and Contact Damage of Diamond-Like Carbon (DLC) Films. Graduate Symposium, Competence Center for Materials and Processes, ETH Zürich, 06-05 ◆</p>
<p>Hauert, Roland, K. Thorwarth, D. Jaeger, R. Figi, M. Stiefel, B. Weisse, U. Müller, G. Thorwarth Near zero wear of diamond like carbon coated implants for up to 100 years of articulation. 20th Annual Meeting of the Swiss Society for Biomaterials and Regenerative Medicine, Medartis, Basel, 05-07 to 05-08 ◆</p>
<p>Janczak-Rusch, Jolanta Session Chair (8.04.2014). NANOALLOY COST Action MP0903 Final Conference, Santa Margherita Ligure,, IT, 04-06 to 04-09</p>
<p>Janczak-Rusch, Jolanta Chair of 2 sessions. 13th Int. Ceramic Congress CIMTEC 2014, Montecatini, IT, 06-08 to 06-13</p>
<p>Janczak-Rusch, Jolanta Programm Chair/Organiser of the Symposium CD "Joining Inorganic Materials at Different Length Scales". 13th Int. Ceramic Congress CIMTEC 2014, Montecatini, IT, 06-08 to 06-13 ■ ○</p>
<p>Janczak-Rusch, Jolanta 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10</p>
<p>Janczak-Rusch, Jolanta, G. Pigozzi, R. Hauert, F. La Mattina, I. Shorubalko, J. Patscheider, Z. M.Wang, M. Lewandowska, L.P.H. Jeurgens Development of Cu- and Ag-based nanostructured brazing materials for low-temperature joining applications. NANOALLOY COST Action MP0903 Final Conference, Santa Margherita, Ligure, IT, 04-06 to 04-09 ♣</p>
<p>Janczak-Rusch, Jolanta, G.Pigozzi, M. Lewandowska, F.La Mattina, G.Kaptay, S.Yoon, J. Patscheider, R.Hauert, L.P.H. Jeurgens New micro-/nanojoining concepts using ceramic materials. 13th Int. Ceramic Congress CIMTEC 2014, Montecatini, IT, 06-08 to 06-13 ♣ ○</p>
<p>Janczak-Rusch, Jolanta, J. Janczak-Rusch, M. Chiodi, F. Moszner, L.P.H. Jeurgens Development of nano-structured multilayers for joining applications. EXMONAN Kick-off Meeting, Krakow, PL, 10-22 ♣</p>
<p>Janczak-Rusch, Jolanta, Lars Jeurgens, Akio Hirose, Norman Zou 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10 ■</p>
<p>Jeurgens, Lars Surprises at interfaces in nanomaterials. Lecture at Interdisciplinary Centre for Materials Modelling, M. Smoluchowski Institute of Physics, Jagiellonian University, Krakow, PL, 04-30 ♣ ○</p>
<p>Jeurgens, Lars 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10</p>
<p>Jeurgens, Lars, A. Lis, C. Leinenbach Low-temperature Transient Liquid Phase (TLP) Bonding of Ceramics. Annual Meeting of Commission XVII (Brazing, Soldering and Diffusion bonding), 67th Annual Assembly and International Conference of the International Institute of Welding (IIW), Seoul, KR, 07-14 ♣ ○</p>
<p>Jeurgens, Lars, G. Pigozzi, R. Hauert, M. Lewandowska, J. Janczak-Rusch Interfacial design of nano-structured brazing filler materials. Select Committee on Research Developments and Applications in Micro- and Nano-Joining Technologies, 67th Annual Assembly and International Conference of the International Institute of Welding (IIW), Seoul, KR, 07-15 ♣ ○</p>
<p>Jeurgens, Lars, G. Pigozzi, R. Hauert, M. Lewandowska, J. Janczak-Rusch Recent developments in the field of nanostructured coating technologies for low temperature joining. Annual Meeting of Commission XVII (Brazing, Soldering and Diffusion bonding), 67th Annual Assembly and International Conference of the International Institute of Welding (IIW), Seoul, KR, 07-16 ♣ ○</p>
<p>Kenel, Christoph, Leinenbach Christian Simulation-assisted Rapid Solidification of Titanium Aluminides for Additive Manufacture. Materials Science & Technology 2014, Pittsburgh/PA, US, 10-12 to 10-16 ♣</p>
<p>Koster, Michael, C. Kenel, C. Leinenbach Digital image correlation for the characterization of fatigue damage evolution in brazed steel joints. 20th European Conference on Fracture (ECF), Trondheim, NO, 06-30 to 07-04 ♣</p>
<p>Lee, Wokjin, B. Weber, C. Leinenbach Recovery stress in an Fe-Mn-Si based shape memory alloy under different constraint conditions. International Conference on Martensitic Transformations (ICOMAT), Bilbao, ES, 07-06 to 07-11 ♣</p>
<p>Lewandowska, Malgorzata, M. Andrzejczuk, G.Pigozzi, L.P.H. Jeurgens, J. Janczak-Rusch Microstructural Evolution of Nano-structured Ag-Cu/AlN Brazing Fillers upon Heating. 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10 ♣ ○</p>

- Lipecka, Joanna, J. Janczak-Rusch, M. Andrzejczuk, M. Lewandowska, G. Richter and L.P.H. Jeurgens**
The mechanism of melting point depression in AlSi/AlN nanomultilayered systems. 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10 ♦
- Lipecka, Joanna, M. Andrzejczuk, M. Lewandowska, J. Janczak-Rusch, G. Richter, L. Jeurgens**
Experimental evaluation of melting point depression in AlSi/AlN nanomultilayer system. NANO PL: "Nanotechnology and Advanced Materials for Innovative industry", Kielce, PL, 10-15 to 10-18 ♦
- Lis, Adrian, C. Leinenbach**
Process Optimization for Transient Liquid Phase Bonding by Fundamental Investigations on the Early Stage Formation of Ag3Sn Intermetallic Compounds. Konferenz DSL 2014, Paris, FR, 06-22 to 06-28 ♣
- Lis, Adrian, Park Min Soo/Arroyave Raymundo/Leinenbach Christian**
Experimental and Computational Investigations on the Formation of Ag3Sn Intermetallic Compounds in Ag-Sn layer systems. Materials Science & Technology 2014, Pittsburgh/PA, US, 10-12 to 10-16 ♣
- Neels, Antonia, T. Bandi, R. Kaufmann, J. Janczak-Rusch, L. Jeurgens, A. Dommann**
Ex- and in-situ X-ray based analytical Studies on Solder Materials for Microsystems Packaging Applications. 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10 ♣
- Pawelkiewicz, Magdalena, E. Cardilli, C. Voisard, U. Hulliger, P. Schmutz**
Localized corrosion under static crevice and dynamic loading conditions of stainless steel (SS) and CoCrMo (CCM) alloys in simulated body fluids. International Society of Electrochemistry: 65th Annual Meeting, Lausanne, 09-01 to 09-05 ♣
- Pigozzi, Giancarlo, Debashis Mukherji, Patrik Schmutz**
Intermetallic Core-Shell Nanoparticles Synthesized by New Electrochemical Selective Phase Dissolution Process. Swiss Nanoconvention, Brugg, 05-21 to 05-22 ♦
- Pigozzi, Giancarlo, Debashis Mukherji, Patrik Schmutz**
Multifunctional intermetallic core-shell nanoparticles via electrochemical route – CANCELED. Nano 2014, Moscow, RU, 07-13 to 07-18 ♣ ○
- Pigozzi, Giancarlo, Debashis Mukherji, Patrik Schmutz, Lars Jeurgens**
Functional Nanoparticles via Electrochemical Synthesis. Nanotech, Tokyo, JP, 01-28 to 01-30 ♦
- Schmutz, Patrik**
Session chair. C-MAC days 2014, Zagreb, 12-08 to 12-11
- Schmutz, Patrik, T. Suter, N. Ott, M. Pawelkiewicz-Koebel, P.J. Uggowitzer**
Impurities, "reactive" alloying elements and intermetallic influences on Mg corrosion mechanisms. NACE Research Topical Symposium (RTS), CORROSION 2014, San Antonio, Texas, US, 03-09 to 03-13 ♣ ○
- Suter, Thomas**
Lokale Wasserstoffanalyse: Kapillar-Methode beim Hochschulpraktikum. Ruhr –Univeristät, Bochum, DE, 02-19 ♣ ○
- Suter, Thomas, P. Schmutz, J. Janczak-Rusch**
State-of-the-art local electrochemical characterization of micro- and nano-joints. 2nd International Conference on Nanojoining and Microjoining NMJ2014, Emmetten, 12-07 to 12-10 ♣
- Tuchschmid, Martin, Weisse Bernhard**
ASTRA-Projekt "QUO VADIS" – Projektpräsentation. ASTRA-Tag 2014, Empa Dübendorf, 11-27 ♣
- Weyrich, Nico, C. Leinenbach**
Experimental study of the isothermal solidification process during Transient Liquid Phase (TLP) bonding of Ni with eutectic Au-Ge alloy. TOFA 2014, Brno, CZ, 09-07 to 09-12 ♣
- Best, James, Caruso, Frank, Michler, Johann**
Mechanical probing of nanostructured biomaterials using AFM force spectroscopy. Rasterkraftmikroskopie und nanomechanische Methoden, Düsseldorf, DE, 02-27 to 02-28 ♣
- Best, James, Ejima Hiroataka, Rahim Md. Arifur, Caruso Frank, Michler Johann**
Mechanical Probing of Nanostructured Biomaterials using AFM Force Spectroscopy. AK Mechanische Charakterisierung in kleinen Dimensionen (Rasterkraftmikroskopie und Nanomechanische Methoden), Düsseldorf, DE, 02-27 to 02-28 ♣
- Best, James, Ejima Hiroataka, Rahim Md. Arifur, Caruso Frank, Michler Johann**
The Role of the Coordination Sphere in MOF Thin-Film Mechanics. 3rd GDRI-CNRS Mecano General Meeting, Thun, 09-04 to 09-05 ♣
- Best, James, Zechner Johannes, Wheeler Jeffrey, Morstein Marcus, Schär Tobias, Raghavan Rejin, Chawla Vipin, Michler Joahn**
High-Temperature Yield Stress and Fracture Toughness of Hard Coatings. Plasma Surface Engineering 2014, Garmisch-Partenkirchen, DE, 09-15 to 09-19 ♦
- Chawla, Vipin, Mohanty Gaurav, Zechner Johannes, Utke Ivo, Michler Joahn, Riedl Helmut, Mayrhofer Paul H.**
Mechanical behaviour of epitaxial TiN/AlN nanomultilayers. PSE 2014, Garmisch-Partenkirchen, DE, 09-15 to 09-19 ♦
- Chawla, Vipin, Tobias Schär, Juri Wehrs, Damian Frey, Gerhard Bürki, Anton B?ll, Johann Michler, Ivo Utke, Mikhael Bechelany, Adib Abou Chaaya**
Fragmentation test of oxide thin films deposited by Atomic Layer Deposition. BalticALD 2014, Helsinki, FI, 05-12 to 05-13 ♦

- Chawla, Vipin, Wheeler Jeffrey M., Raghavan Rejin, Zechner Johannes, Utke Ivo, Michler Johann**
High temperature mechanical behaviour of Cu-W nanolaminates. PSE 2014, Garmisch-Partenkirchen, DE, 09-15 to 09-19 ◆
- Dunne, Peter, Mieszala Maxime, Le Nader Victor, Philippe Laetitia, Michler Johann**
Magnéli Phase Titanium Oxide: Electrochemical Routes and Characterisation. 225th ECS Meeting, Orlando, US, 05-11 to 05-15 ♣
- Frantz, Cédric, Vichery Charlotte, Michler Johann, Philippe Laetitia**
Electrodeposition of Lead Telluride Thin Films and Nanowires. The 40th International Conference on Micro and Nano Engineering (MNE 2014), Lausanne, 09-22 to 09-26 ◆
- Guerra, Carlos, Zhang Yucheng, Chavla Vipin, Best James, Bittencourt Carla, Utke Ivo**
Controlling the Nucleation and Growth of TiO₂ deposited by Atomic Layer Deposition on Carbon Nanotubes. 1st Be-Lux workshop, Belvaux, LU, 09-11 to 09-12 ◆
- Guerra, Carlos, Zhang Yucheng, Li Meng, Chavla Vipin, Park Hyung Gyu, Wood Vanessa, Utke Ivo**
Conformal Anatase TiO₂ deposited by Atomic Layer Deposition on vertically aligned Carbon Nanotubes for Dye-Sensitized Solar Cells Photoanodes. EMPA PhD Symposium, Dübendorf, 10-21 ◆
- Guillonneau, Gaylord**
3rd General Meeting of the GDRi CNRS: "Mechanics of Nano-objects", Thun, 09-04 to 09-05 ■
- Guillonneau, Gaylord, Wheeler Jeffrey M., Michler Johann**
High strain rate dynamic loading and true contact area measurement during in-situ nanoindentation testing. 3rd general meeting of GDRi-CNRS - "Mechanics of Nano-objects", Thun, 09-04 to 09-05 ♣
- Hasegawa, Madoka, Wehrs Juri, Mohanty Gaurav, Maeder Xavier, Michler Johann, Philippe Laetitia**
Ni-W micro-components prepared by electrodeposition. The 40th International Conference on Micro and Nano Engineering (MNE 2014), Lausanne, 09-22 to 09-26 ◆
- Hasegawa, Madoka, Yoon Songhak, Schneider Simon, Frantz Cédric, Niederberger Christoph, Weidenkaff Anke, Philippe Laetitia, Michler Johann**
Nanocrystalline stainless steel electrodeposition. The 2014 ECS and SMEQ Joint International Meeting, Mexico, MX, 10-05 to 10-09 ♣
- James P., Best, Ejima Hirota, Rahim Md. Arifur, Caruso Frank, Michler Johann**
Nanomechanical Deformation Analysis of Ultrathin Metal-Polyphenol Networks. Gordon Research Conference: Thin Film & Small Scale Mechanical Behavior, Waltham, Massachusetts, US, 07-13 to 10-18 ◆
- James P., Best, Ejima Hirota, Rahim Md. Arifur, Caruso Frank, Michler Johann**
Nanomechanical Deformation Analysis of Ultrathin Metal-Polyphenol Networks. Gordon Research Conference: Thin Film & Small Scale Mechanical Behavior, Waltham, Massachusetts, US, 07-12 to 07-13 ♣ ○
- Michler, Johann**
Discussion leader for block "Experimental methods in Small Scale Mechanics". Gordon conference on mechanical properties of thin films, Waterville, US, 07-13 to 07-18 ■ ○
- Michler, Johann**
WORKSHOP AND 3rd General Meeting of the GDRi CNRS "Mechanics of Nano-objects". WORKSHOP AND 3rd General Meeting of the GDRi CNRS "Mechanics of Nano-objects", Thun, 09-04 to 09-05 ○
- Michler, Johann, Morstein Marcus, Raghavan Rejin, Chawla Vipin**
Mechanical Properties of Hard Coatings at Elevated Temperatures. 14th International Conference on Plasma Surface Engineering, Garmisch-Partenkirchen, DE, 09-15 to 09-19 ♣ ○
- Michler, Johann, Wheeler Jeffrey**
Elevated Temperature, In-situ Microcompression Methods to Explore Fracture and Plastic Deformation Mechanisms. Plasticity 2014, Freeport, BS, 01-03 to 01-10 ♣ ○
- Michler, Johann, Wheeler Jeffrey**
In Situ SEM Micro-Mechanical Testing: High Strain Rates and Variable Temperatures. MRS Fall Meeting, Boston, US, 11-30 to 12-04 ♣ ○
- Michler, Johann, Wheeler Jeffrey, Raghavan Rejin**
Elevated Temperature, In-situ Microcompression Methods. DPG Frühjahrstagung, Dresden, DE, 03-30 to 04-03 ♣ ○
- Michler, Johann, Wheeler Jeffrey, Raghavan Rejin**
Elevated Temperature, In-situ Microcompression Methods. CAMTEC III, Cambridge, GB, 04-06 to 04-08 ♣ ○
- Mieszala, Maxime, Hasegawa Madoka, Zhang Yucheng, Philippe Laetitia, Michler Johann**
Electrodeposition and Mechanical Characterization of highly textured Nano-twin Copper. The 2014 ECS and SMEQ Joint International Meeting, Cancun, MX, 10-05 to 10-10 ♣
- Mohanty, Gaurav, Wheeler Jeffrey M., Wehrs Juri, Raghavan Rejin, Hasegawa Madoka, Michler Stefano, Philippe Laetitia, Michler Johann**
Elevated temperature, strain rate jump microcompression of nano-crystalline nickel. Thin Film & Small Scale Mechanical Behavior, Gordon Research Conference, Waltham, Massachusetts, US, 07-13 to 07-17 ◆
- Mohanty, Gaurav, Wheeler, Jeffrey M., Wehrs Juri, Guillonneau Gaylord, Hasegawa Madoka, Philippe Laetitia, Michler Johann**
Micropillar creep, strain rate jump and load relaxation tests on nanocrystalline nickel. 3rd general meeting of GDRi-CNRS - "Mechanics of Nano-objects", Thun, 09-04 to 09-05 ♣
- Országh, Juraj, Ribar Anita, Danko Marian, Utke Ivo, Matejčík Štefan**
Dissociative excitation of iron pentacarbonyl by electron impact. FEBIP 2014, Frankfurt am Main, DE, 07-22 to 07-24 ◆

Philippe, Laetitia

Electrodeposition of gold nanowires. Seminar, Grenoble, FR, 11-14 🍄 ○

Philippe, Laetitia, Hasegawa Madoka, Wehrs Juri, Mohanty Gaurav, Maeder Xavier

Microstructures of Electrodeposited NiW microcomponents. ANM 2014: 5th International Conference on Advanced Nanomaterials, Aveiro, PT, 07-02 to 07-04 🍄

Pillatsch, Lex, Wheeler Jeffrey, Maeder Xavier, Utke Ivo, Whitby James, Michler Johann

FIB-SEM-AFM: Recent developments and applications in mechanical, chemical and analytical physics and material science. FIB-SEM-AFM Training School on Advanced Imaging Techniques for Nanocomposite Ceramic Materials, Sabanci University, Istanbul, TR, 09-29 to 10-03 🍄 ○

Pillatsch, Lex, Whitby James, Alberts Deborah, von Werra Leandro, Michler Johann

Applications of a 'FIB-TOF-SIMS' with mass resolving power >3000. 26th Annual Workshop on SIMS, Karlsruhe, DE, 05-27 to 05-30 🍄

Utke, Ivo

Chemistry for Focused Electron Beam Induced Processing. CELINA Cost Action Conference, Erlangen, DE, 03-20 to 03-21 🍄 ○

Utke, Ivo

Nanoscale Rapid Prototyping and Manufacturing with focused electron and ion beam triggered chemistry. BOZON seminar series for physics students, Krakow, PL, 04-29 🍄 ○

Utke, Ivo

Gas assisted FIB and FEB nanoprototyping for photonic applications. International Workshop on Laser and Focused Ion Beam Technologies for Photonics, ECIOMOC 2014, Nice, FR, 06-22 to 06-24 🍄 ○

Utke, Ivo

MNE 2014, Lausanne, 09-22 to 09-26 ■

Utke, Ivo, Chawla Vipin, LeNader Victor, Zhang Yucheng, Patscheider Joerg, Yazdani Nuri, Wood Vanessa, Park Hyung Gyu, Bittencourt Carla

Characterization of TiO₂ anatase deposited on CNTs by AL. Baltic ALD, Helsinki, FI, 05-12 to 05-13 🍄

Utke, Ivo, Chawla Vipin, Raghavan Rejin, Bechelany Mikhael, Chaaya Adib Abou, Michler Johann

Mechanical characterization of ZnO/Al₂O₃ Multilayer Oxide Films prepared by Atomic Layer Deposition. 3rd CAMTEC symposium, Cambridge, GB, 04-07 to 04-08 🍄

Utke, Ivo, Guerra Carlos, Zhang Yucheng, Szymt Wojciech, Patscheider Joerg, Yazdani Nuri, Wood Vanessa, Park Hyung Gyu, Bittencourt Carla

Nucleation of TiO₂ anatase grown by atomic layer deposition on CNTs. MNE2014, Lausanne, 09-22 to 09-26 🍄

Utke, Ivo, Szkudlarek Aleksandra, Szymt Wojciech, Kapusta Czeslaw, Winkler Robert, Plank Harald,

Determination of surface kinetics parameters from a series of spot exposures with Pulsed Focused-Electron-Beam-Induced-Deposition. FEBID conference 2014, Frankfurt, DE, 07-24 to 07-27 🍄

Vichery, Charlotte, Le Nader Viktor, Frantz Cédric, Zhang, Yucheng, Philippe Laetitia, Michler, Johann

Synthesis and characterization of highly stable electrodeposited silicon thin films. E-MRS spring meeting 2014, Lille, FR, 05-26 to 05-30 🍄

Wehrs, Juri, Mohanty Gaurav, Guillonneau Gaylord, Wheeler Jeffrey, Hasegawa Madoka, Maeder Xavier, Frey Damian, Philipp Laetitia, Mischler Stefano, Michler Johann

Mechanical properties of nanostructured Ni and NiW microcomponents produced by electrodeposition. Gordon Research Conference, Waltham, Massachusetts, US, 07-12 to 07-20 ◆

Wheeler, Jeffrey, Chawla Vipin, Zechner Johannes, Raghavan Rejin, Morstein Marcus, Michler Johann

High Temperature Strength of Hard Coatings. ICMCTF, San Diego, US, 04-30 🍄 ○

Wheeler, Jeffrey, Michler Johann

In situ Micro-Thermomechanical Testing: A general tool for investi-gating plasticity. Abteilung Seminar IFW, Dresden, DE, 02-04 🍄

Wheeler, Jeffrey, Michler Johann

High Temperature Nanomechanics: Methods and Applications. KIT - IAM-WBM Abteilung Seminar, Karlsruhe, DE, 05-14 🍄

Wheeler, Jeffrey, Michler Johann

Recent Progress in Temperature- and Time-dependent Nanomechanics. Corporate Seminar, Oak Ridge/Tennessee, US, 07-09 🍄

Wheeler, Jeffrey, Michler Johann

Semiconductor Plasticity: The cases of Silicon and InSb. Department Seminar, Lexington, US, 07-09 🍄

Wheeler, Jeffrey, Morel Augustin, Ragahavan Rejin, Montagne Alex, Taylor Aidan, Thilly Ludovic, Michler Johann

Plasticity of Brittle Covalent Solids. Mecano Meeting, Thun, 09-06 🍄 ○

Wheeler, Jeffrey, Morel Augustin, Ragahavan Rejin, Montagne Alex, Ghisleny Rudy, Thilly Ludovic, Michler Johann

Variable Temperature Plasticity of Covalent Solids. CAMTEC III, Cambridge, GB, 04-06 to 04-08 🍄

Wheeler, Jeffrey, Raghavan Rejin, Thilly Ludovic, Michler Johann

Semiconductor Plasticity: The cases of Silicon and InSb. Gordon Research Conference, Waltham, US, 07-13 to 07-19 ◆

Wheeler, Jeffrey, Wehrs Juri, Guillonneau Gaylord, Michler Johann

Frontiers of NanoMechanics: Low Temperature and High Speed. MSE - Materials Science and Engineering, Darmstadt, DE, 09-22 to 09-25 🍄

Zechner, Johannes

Interface Toughness Optimization of Metal/Oxide Interfaces for Functional Coatings. 41st International Conference on Metallurgical Coatings and Thin Films, San Diego, US, 04-28 to 05-02 🍄

Zechner, Johannes, Michler Johann

Influence of the testing technique on the measured interface adhesion of sputtered multilayers on glass. Gordon Research Conference: Thin Film & Small Scale Mechanical Behavior, Waltham, US, 07-13 to 07-18 ♦

Zechner, Johannes, Michler Johann

Influence of the testing technique on the measured interface adhesion of sputtered multilayers on glass. 3rd GDRI-CNRS Mecano General Meeting, Thun, 09-04 to 09-05 ♦

Zechner, Johannes, Michler Johann

Influence of the testing technique on the measured interface adhesion of sputtered multilayers on glass. 3rd GDRI-CNRS Mecano General Meeting, Thun, 09-04 to 09-05 ♦

Bernard, Laetitia

ToF-SIMS / SFM combination to access physical and chemical information in 3D at the nanoscale. Group Meeting Prof. Nicholas Spencer, ETH, 03-12 🍄 ○

Bernard, Laetitia

Accessing the local chemical information in 3D and at the nanoscale. DMONS seminar - IPCMS, Strasbourg University, Strasbourg, FR, 10-14 🍄 ○

Bernard, Laetitia

Accessing the chemical information in 3D at the nanoscale via in-situ ToF-SIMS / SFM combination. TOPICAL DAY Imaging and Image Analysis VI, Empa, 10-31 🍄 ○

Bernard, Laetitia, Aliaksei Vetushka, Tomáš Baše, Patrik Schmutz

Self-assembly of oriented carborane dipoles as a tool for tuning the surface potential of silver. SIMS Europe 2014, Münster, DE, 09-07 to 09-09 ♦

Bernard, Laetitia, Sasa Vranjkovic, Rudolf Möllers, Hans J. Hug

Considérations sur la mesure et l'interprétation des données ToF-SIMS par le biais de mesure AFM in-situ. Réunion des Utilisateurs Francophones ToF-SIMS, Villeneuve d'Ascq, FR, 04-10 🍄

Bliersbach, Andreas, M. Gaboardi, G. Bertoni, Ph. Mauron, M. Aramini, G. Vlahopoulou, A. Remhof, G. Salviati, M. Riccò, A. Züttel

Synthesis of Ni TEGO and study of its interaction with hydrogen. 30th Annual SAOG Meeting, Fribourg, 01-24 ♦

Crockett, Rowena

Hydration and dehydration of sugars. International Nanotribology Forum, Cochi, Kerala, IN, 01-06 to 10-10 🍄 ○

Crockett, Rowena

Effect of sugar structure on water. International Tribology Forum Kerala 2014, Cochi, Kerala, IN, 01-06 to 01-10 🍄 ○

Crockett, Rowena

Swiss Tribology/VSS Technical Meeting 2014, Empa, Dübendorf, 04-30 ■

Crockett, Rowena

Influence of polysaccharide structure on friction. COST Nanotribology Meeting, Can Picafort, ES, 05-26 to 10-29 🍄 ○

Crockett, Rowena

Swiss Japanese Tribology Meeting 2014, Zurich, 09-08 to 09-10 ■

Ernst, Karl-Heinz

Aspects of surface chirality: From sergeants-and-soldiers to unidirectional movement. Institute Seminar, Institute of Chemical Research of Catalonia (ICIQ), Tarragona, 28. 2. 2014, ES, 02-28 🍄 ○

Ernst, Karl-Heinz

Making metals chiral: Reconstruction of Cu(110) by dicarboxylic acids, SSNS'14 Japan, 15. - 17. 1. 2014, Furano, JP, 01-15 to 01-18 🍄 ○

Ernst, Karl-Heinz

Unidirectional motion by inelastic electron tunnelling. Molecular Switches and Motors at Surfaces Symposium, Spring Meeting of the Condensed Matter Division of the German Physical Society (DPG), Dresden, DE, 03-30 to 04-04 🍄 ○

Ernst, Karl-Heinz

Chirality in flatland: From specific molecular recognition to chiral restructuring of metals. University of Science and Technology of China - USTC and National Synchrotron China Seminar, Hefei, 16. 05. 2014, CN, 05-16 🍄 ○

Ernst, Karl-Heinz

Modification of surfaces with hydrocarbons: buckybowl and helicenes. Physikkolloquium der Universität Bielefeld, Bielefeld, DE, 05-26 🍄 ○

Ernst, Karl-Heinz

Chirality in flatland: molecular recognition and chiral restructuring of metals. Workshop on Nanomaterials & Nanodevices, Institute of Physics, Chinese Academy of Sciences, Beijing, CN, 07-01 to 07-02 🍄 ○

Ernst, Karl-Heinz

Buckybowls at surfaces: From fundamental aspects of 2D self-assembly to new materials systems for photovoltaics. Workshop on Nanomaterials & Nanodevices, 4. 7. 2014, Wuhan, CN, 07-04 to 07-05 🍄 ○

Ernst, Karl-Heinz	Carbon-based nanomaterials and nanodevices. National Center for Nanoscience and Technology Colloquium, Chinese Academy of Sciences, Beijing, CN, 07-10 🍄 ○
Ernst, Karl-Heinz	Molecular recognition among chiral molecules probed by STM and electron diffraction. International Conference on Structures of Surfaces, ICSOS-11, University of Warwick, Coventry, GB, 07-21 to 07-25 🍄 ○
Ernst, Karl-Heinz	Chirality in flatland: enantioselective recognition in 2D crystals. Chirality 2014, Prague, CZ, 07-27 to 07-30 🍄 ○
Ernst, Karl-Heinz	Curved carbon sheets: From fundamental aspects of 2D self-assembly to new materials systems for photovoltaic and superconductivity. 30th European Conference on Surface Science (ECOSS) 2014, Antalya, TR, 08-31 to 09-05 🍄 ○
Ernst, Karl-Heinz	Curved carbon sheet molecules: From fundamental aspects of 2D self-assembly to new materials systems for photovoltaic and superconductivity. University Zurich - LightChEC Symposium, Les Diablerets, 09-08 to 09-09 🍄 ○
Ernst, Karl-Heinz	Unidirectional molecular motors, Beilstein Nanotechnology. Symposium Molecular Machines and Devices, Potsdam, DE, 09-16 to 09-18 🍄 ○
Ernst, Karl-Heinz	Chirality in flatland: Stereochemical recognition among molecules on surfaces. Kolloquium Institut für Chemie, Karl-Franzens Universität Graz, Graz, 11-07 🍄 ○
Ernst, Karl-Heinz	Chirality in flatland: molecular recognition, switches and motors at surfaces. Großes Naturwissenschaftliches GD-Kolloquium,, Universität Duisburg-Essen, Essen, DE, 11-19 to 09-17 🍄 ○
Ernst, Karl-Heinz, T. Kudernac, N. Ruangsupapichat, B. Macia, N. Katsonis, S. R. Harutyunyan, B. L. Feringa, M. Parschau	Molecular surface dynamics by inelastic electron tunneling: rotors and unidirectional motion. SASP 2014, Hot Topic Selection, Obergurgl,, AT, 02-09 to 02-14 🍄
Hug, Hans J., Schwenk Johannes / Marioni Miguel A / Zhao Xue / Romer Sara / Joshi Niraj R.	High resolution quantitative Magnetic Force Microscopy with accurate Control of Tip-Sample Distance for Imaging Horizontal Domain Walls in Exchange Coupled Media. 59th Annual Magnetism and Magnetics Materials Conference, Honolulu, HI, US, 11-03 to 11-07 🍄
Hug, Hans J., Schwenk Johannes / Marioni Miguel A / Zhao Xue / Romer Sara / Joshi Niraj R. /Oezer Sevil	Measuring grain size-level inhomogeneity in the magnetization reversal of exchange-coupled ferro/ferrimagnet media for heat assisted magnetic recording. 59th Annual Magnetism and Magnetics Materials Conference, Honolulu, HI, US, 11-03 to 11-07 🍄
Karageorgaki, Chrysanthi, Ernst Karl-Heinz	Creating chiral metal surfaces with achiral molecules. 30th Annual SAOG Meeting, Fribourg, 01-24 🍄
Karageorgaki, Chrysanthi, Ernst Karl-Heinz	A metal surface with chiral memory. Symposium on Surface Science, 3S'14, St. Christoph, AT, 03-09 to 03-14 ♦
Karageorgaki, Chrysanthi, Ernst Karl-Heinz	Creating chiral metal surfaces with achiral molecules. 30th European Conference on Surface Science (ECOSS) 2014, Antalya, TR, 08-31 to 09-05 🍄
Keller, Beat	Slicing and Reconstruction of Organic Materials at Low-Temperature on a Modified TOF-SIMS Standard Sample Holder. SIMS EUROPE 2014 9th European Workshop on Secondary Ion Mass Spectrometry, Münster, DE, 09-07 to 09-10 ♦
Marioni, Miguel A., Hauet Thomas / Piraux Luc / Srivastava Sandeep K. / Antohe Vlad A. / Lacour Daniel / Hehn Michel / Moutaigne Francois / Schwenk Johannes / Hug Hans Josef / Hovorka Ondrej / Berger Andreas / Mangin Stephane / Abreu Araujo Flavio	Reversal mechanism in Co/Pt patterned media with dipolar frustrations. 59th Annual Magnetism and Magnetics Materials Conference, Honolulu, HI, US, 11-03 to 11-07 🍄
Marioni, Miguel A., Romer Sara / Oezer Sevil / Joshi Niraj R. / Hug Hans Josef	Magnetization reversal at 10nm scales in exchange coupled media for weak or strong coupling. 59th Annual Magnetism and Magnetics Materials Conference, Honolulu, HI, US, 11-03 to 11-07 🍄
Patscheider, Jörg	Deposition Technologies for Thin Films and Coatings. CCMX Winter School, Kandersteg, 02-03 to 02-06 🍄 ○
Patscheider, Jörg	Short Course Program. International Conference on Metallurgical Coatings and Thin Films, San Diego, CA, US, 04-27 to 05-02 ■
Patscheider, Jörg	Playing with nanostructured hard coatings: Solid solutions, Nanocomposites and Nanomultilayers. Seminar in Materials Chemistry, RWTH Aachen University, Aachen, DE, 06-24 🍄 ○

Patscheider, Jörg	Hard Coatings at Empa: Single phases, Solid solutions and Nanocomposites (invited. Seminar, R. Bosch AG, Stuttgart-Feuerbach, DE, 08-05 🍄 ○)
Patscheider, Jörg	ETH Zürich: Oberflächenanalytik – was, wie, wozu. Seminar Angewandte Oberflächenanalytik, ETH Zürich, 09-02 🍄 ○
Patscheider, Jörg	Designing the Thermal Conductivity of Hard Coatings. Seminar Inorganic Chemistry, Uppsala University, Angström Lab, Uppsala, SE, 10-08 🍄 ○
Patscheider, Jörg	Hard Coatings with Designed Thermal Conductivity. 61st AVS International Symposium, Baltimore, MD, US, 11-09-11-14 🍄
Patscheider, Jörg	Nanocomposite Coatings – Playing with Nanostructures to Achieve New Properties (invited). PacSurf 2014 - Pacific Rim Symposium on Surfaces, Coatings and Interfaces, Kohala, HI, US, 12-07 to 12-11 🍄 ○
Seibel, Johannes, Allemann Oliver, Siegel Jay S., Ernst Karl-Heinz	Chiral conflict among different helicenes suppresses formation of one enantiomorph in 2D crystallization. DPG-Frühjahrstagung der Sektion Kondensierte Materie, Dresden, DE, 03-30 to 04-04 🍄
Thorwarth, Kerstin	Zero-wear coatings for joint replacements. CCMX Annual Meeting, Bern, 05-08 🍄 ○
Thorwarth, Kerstin, Barker, Paul, Thorwarth, Götz, Bernard, Laetitia, Voisard, Cyril, Kraft, Markus, Patscheider, Jörg	Osseointegrative Coatings for Spinal Disc Fusion Implants. CTI Medtech Event 2014, Bern, 09-02 ♦
Thorwarth, Kerstin, Thorwarth, Götz, Hauert, Roland	A Coating Adhesion Issue: DLC for medical implants. Plasma and Surface Engineering 2014, Garmisch, DE, 09-15 to 09-19 🍄
Benassi, Andrea	First European Workshop on Understanding and Controlling Nano and Mesoscale Friction, Majorca, ES, 05-26 to 05-29 ■
Benassi, Andrea	Manipulating nano and mesoscale friction through phase transitions. 5th Nanomanipulation workshop 2014, Basel/Mulhouse, 06-18 to 06-20 🍄 ○
Benassi, Andrea	Friction, dissipation and sliding motion across phase transitions. Japanese-Swiss Meeting on friction and tribology, ETA Zurich, 09-08 to 09-10 🍄 ○
Benassi, Andrea	Controlling sliding motion through magnetic domains. Friction and Interface Dynamics at the Nano and mesoscale, Tel Aviv university, IL, 10-27 to 10-31 🍄 ○
Daniele Scopece, Daniele Scopece, Max Doebeli, Xavier Maeder, Juergen Ramm, Daniele Passerone	Coating Simulation and the peculiarity of the zero-growth condition in Metal Ion Etching. Thin Film and Small Scale Mechanical Behavior, Gordon Research Seminar & Gordon Research Conference, Bentley University, Waltham, MA, US, 07-12 to 07-18 ♦
Deniz, Okan, Sánchez Carlos, Widmer Roland, Fasel Roman, Ruffieux Pascal	Electronic Decoupling of Surface-Supported Molecular Nanostructures by Intercalation of Thin Oxide Films. EMPA PhD Students' Symposium 2014, St. Gallen, 10-21 🍄
Deniz, Okan, Sánchez Carlos, Widmer Roland, Fasel Roman, Ruffieux Pascal	Electronic Decoupling of Surface-Supported Molecular Nanostructures by Intercalation of Thin Oxide Films. 73 IUUSTA Workshop on Nanostructures on two-dimensional solids, Eisenerz, AT, 09-22 to 09-26 ♦
Deniz, Okan, Sánchez Carlos, Widmer Roland, Fasel Roman, Ruffieux Pascal	Electronic Decoupling of Molecular Nanostructures by Intercalating Thin Oxide Films. Annual Meeting of the Swiss Physical Society, Fribourg, 06-30 to 07-02 ♦
Deniz, Okan, Sánchez Carlos, Widmer Roland, Fasel Roman, Ruffieux Pascal	Electronic Decoupling of Surface-Supported Molecular Nanostructures by Intercalation of Thin Oxide Films. ICSOS-11: 11th International Conference on the Structure of Surfaces, Coventry, GB, 07-21 to 07-25 ♦
Deniz, Okan, Sanchez-Sanchez Carlos, Widmer Roland, Fasel Roman, Ruffieux Pascal	Characterization of Thermally Evaporated Thin Oxide Films on Au (111). KIT-UFA Surface Confined Synthesis of Nanostructures Winter School, Baden-Baden, DE, 02-17 to 02-20 ♦
Dienel, Thomas, Ari P. Seitsonen, Marcella Iannuzzi, Roland Widmer, Jürg Hutter, Oliver Gröning	Reactions of Polycyclic Aromatic Hydrocarbon on an Atomically Thin Insulator. 7th International Conference on Molecular Electronics, Strasbourg, FR, 08-25 to 08-29 🍄
Dienel, Thomas, Oliver Gröning, Shigeki Kawai, Hajo Söde, Pascal Ruffieux, Roman Fasel	High resolution frequency shift and tunneling current imaging of graphene nanoribbon junctions. 17th International Conference on Non-contact Atomic Force Microscopy, Tsukuba, JP, 08-04 to 08-08 🍄
Dienel, Thomas, Ralph Koitz, Marcella Iannuzzi, Jürg Hutter, Oliver Gröning	Limitations of network formation on metal surfaces. International Symposium on Synthetic Two-Dimensional Polymers, ETH Zurich, 06-02 to 06-03 ♦

Dienel, Thomas, Roland Widmer, Ralph Koitz, Marcella Iannuzzi, A. Dieter Schlüter, Jürg Hutter, Oliver Gröning
From terpyridine species to metal organic coordination networks. Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Sektion Kondensierte Materie, Dresden, DE, 03-31 to 04-04 🍄
Dienel, Thomas, Thomas Dienel, Ari P. Seitsonen, Roland Widmer,, Jürg Hutter, Oliver Gröning
Reactions of molecules on an atomically thin insulator. 563rd Wilhelm and Else Heraeus-Seminar: Functional Molecules at Surfaces, Bad Honnef, DE, 05-19 to 05-21 ◆
Fasel, Roman
Bottom-up fabrication of graphene related materials. Institute of Condensed Matter Physics, École polytechnique fédérale de Lausanne (EPFL), Lausanne, 10-03 🍄 ○
Fasel, Roman
Bottom-up fabrication of graphene nanoribbons: From molecules to devices? UFA Winter School "Surface-Confining Synthesis of Nanostructures", Baden-Baden, DE, 02-17 to 02-20 🍄 ○
Fasel, Roman
Co-Organization of the event. International workshop "on-surface synthesis", Ecole de Physique des Houches, FR, 05-25 to 05-30 ■
Fasel, Roman
Co-Organization of the event. Annual meeting of the Swiss molecules@surfaces community (molsurf), University of Bern, 06-13 ■
Fasel, Roman
Co-Organization of the event. European Workshop on Epitaxial Graphene and 2D Materials (EWEG/2D'2014), Primosten, HR, 06-15 to 06-19 ■
Fasel, Roman
Electronic and optical properties of atomically precise graphene nanoribbons. Fourth International Workshop "Nanocarbon Photonics and Optoelectronics", Polvijärvi, FI, 07-28 to 08-01 🍄 ○
Fasel, Roman
Bottom-up fabrication of graphene materials. North America Science Day, Dübendorf, 10-27 🍄 ○
Gröning, Oliver
From Surface Science to Nanomaterials synthesis and Characterization. South Africa - Swiss Workshop on Nanoscience, Captown, ZA, 04-13 to 04-15 🍄 ○
Gröning, Oliver
Adsorption, Activation and Coupling of Organic Molecules on Metal Supported Single Layer Boron Nitride. 73rd IUVESTA Workshop on Nanostructures on 2D solids, Eisenerz, AT, 09-21 to 09-25 🍄
Gröning, Oliver
Characterization and Properties of Planar Field Emission Cathodes. 4th ITG International Workshop on Vacuum Electronics, Bad Honnef, DE, 10-12 to 10-14 🍄
Gröning, Oliver
The European Landscape of Materials Science and Engineering: Materials Science at EMPA, Mission and Challenges. European Science Foundation Materials Science and Engineering Committee MatSEEC Workshop, Lisbon, PT, 10-23 to 10-24 🍄 ○
Liu, Jia, Pascal Ruffieux, Xinliang Feng, Klaus Müllen and Roman Fasel
Cyclotrimerization of Arylalkynes on Au(111). International Symposium on Synthetic Two-Dimensional Polymers, ETH Zürich, Hönggerberg Campus, 06-02 to 06-03 ◆
Liu, Jia, Pascal Ruffieux, Xinliang Feng, Klaus Müllen and Roman Fasel
Cyclotrimerization of Arylalkynes on Au(111). International Workshop "On-Surface Synthesis", Les Houches, FR, 05-25 to 05-30 ◆
Liu, Liwei, Dienel Thomas/Widmer Roland/Gröning Oliver
Tuning Molecular Orbitals of Manganese Phthalocyanine on h-BN/Rh(111). Swiss Physical Society-Annual meeting 2014, Fribourg, 06-30 to 07-02 ◆
Passerone, Daniele, Benassi Andrea/Marioni Miguel A./Schwenk Johannes/Hug Hans J./
Understanding and controlling friction through magnetic domains. 17th International Conference on non-contact Atomic Force Microscopy, Tsukuba, JP, 08-04 to 08-08 🍄
Passerone, Daniele, Benassi Andrea/Vanossi Andrea/Pignedoli Carlo A./Tosatti Erio/
Does rotational melting make molecular surfaces more slippery? 17th International Conference on non-contact Atomic Force Microscopy, Tsukuba, JP, 08-04 to 08-08 ◆
Passerone, Daniele, Pignedoli Carlo A./Yakutovich Aliaksandr/Prinz Jan/Widmer Roland
Palladium-Based Intermetallic Compounds as a Paradigm for Future Heterogeneous Catalysts: Simulations and Experiments. Materials Science Engineering (MSE 2014), Darmstadt, Germany, 23-25 September 2014, Darmstadt, DE, 09-23 to 09-25 🍄 ○
Pignedoli, Carlo Antonio
Interplay between theory and experiment in the nanotech@surfaces laboratory: success and challenges. NCCR MARVEL Review and Retreat, EPFL Lausanne, 09-08 to 10-10 🍄 ○
Pignedoli, Carlo Antonio, D. Passerone, L. Talirz, M. Baumgartner, S. Prashant, A. Ferretti, D. Prezzi, E. Molinari, X. Feng, K. Muellen, J. Cai, R. Jaafar, H. Soede, P. Ruffieux, R. Fasel
DFT Challenges Following Synthesis Routes for Atomically Precise Graphene Based Heterostructures. International workshop on computational physics and materials science ("Total energy and force methods"), Lausanne, 01-09 to 01-11 🍄 ○

Pignedoli, Carlo Antonio, D. Passerone, L. Talirz, S. Prashant, D. Prezzi, A. Ferretti, E. Molinari, X. Feng, K. Muellen, R. Denk, M. Hohage, P. Zeppenfeld, J. Cai, R. Jaafar, H. Soede, P. Ruffieux, R. Fasel

Synthesis of Atomically Precise Graphene-Based Nanostructures: a Simulation Point of View. International Workshop "On-Surface Synthesis", Les Houches, FR, 05-25 to 07-30 🍀 ○

Prinz, Jan

Surface science studies on structures and adsorption sites of single crystalline PdGa surfaces as model catalysts in acetylene hydrogenation. 4th INTERNATIONAL SYMPOSIUM OF INTERMETALLIC COMPOUNDS IN CATALYSIS, SANTA MARGHERITA, LIGURE, IT, 04-07 to 04-11 🍀

Ruffieux, Pascal

Electronic Properties of Bottom-up Fabricated Graphene Nanoribbons. Swiss-NanoTP COST workshop, Zürich, 05-05 🍀 ○

Ruffieux, Pascal

Electronic and Optical Properties of Bottom-up Fabricated Graphene Nanoribbons. Statistical Physics and Low-Dimensional Systems (SPLDS), Pont-à-Mousson, FR, 05-21 to 05-23 🍀 ○

Ruffieux, Pascal

Graphene and Carbon Nanostructures. Summer School Nanoscale Physics, Devet Skal, CZ, 06-09 to 06-13 🍀 ○

SANEZ-SANEZ, CARLOS, Müller Matthias, Bettinger Holger F., Brüeller Sebastian, Müllen Klaus, Talirz Leopold, Pignedoli Carlo, Ruffieux Pascal, Fasel Roman

On-Surface Synthesis of BN/Graphene Hybrid Structures. International Symposium on Synthetic Two-Dimensional Polymers, ETH Zürich, Hönggerberg Campus, ZÜRICH, 06-02 to 06-03 ♦

SANEZ-SANEZ, CARLOS, Müller Matthias, Bettinger Holger F., Brüeller Sebastian, Müllen Klaus, Talirz Leopold, Pignedoli Carlo, Ruffieux Pascal, Fasel Roman

Bottom-up Synthesis of Atomically Precise BN/Graphene Hybrid Structures. European Workshop on Epitaxial Graphene and 2D Materials (EWEG2D), Primosten, HR, 06-15 to 06-19 🍀

SANEZ-SANEZ, CARLOS, Müller Matthias, Bettinger Holger F., Brüeller Sebastian, Müllen Klaus, Talirz Leopold, Pignedoli Carlo, Ruffieux Pascal, Fasel Roman

On-Surface Synthesis of BN/Graphene Hybrid Structures. Fuerzas y Tunel 2014, SAN SEBASTIAN, ES, 08-27 to 08-29 🍀

Shinde, Prashant, Daniele Passerone, Carlo Pignedoli

GRAPHENE NANORIBBONS WITH EDGE MODIFICATIONS. Empa PhD Symposium 2014, Empa St. Gallen, 10-21 ♦

Shinde, Prashant, NA

NA. International Symposium on Synthetic Two-Dimensional Polymers, ETH Zürich, Hönggerberg Campus, 06-02 to 06-03 🍀

Shinde, Prashant, Shinde, Prashant (1); Baumgartner, Marion (1); Passerone, Daniele (1); Pignedoli, Carlo

Electronic properties of edge modified zigzag graphene nanoribbons. The European Workshop on Epitaxial Graphene and 2D Materials (EWEG/2D'2014), Primošten, Croatia, HR, 06-15 to 06-19 ♦

Söde, Hajo

Intraribbon band gap variation in atomically precise graphene nanoribbon heterostructures. Annual Meeting of the Swiss Physical Society, Fribourg, 06-30 to 07-02 🍀

Söde, Hajo

Intraribbon band gap variation in atomically precise graphene nanoribbon heterostructures. 30th European Conference on Surface Science, Antalya, TR, 08-31 to 09-05 🍀

Talirz, Leopold, Söde Hajo, Cai Jinming, Ruffieux Pascal, Blankenburg Stefan, Jafaar Rached, Berger Richard, Feng Xinliang, Müllen Klaus, Passerone Daniele, Fasel Roland, Pignedoli Carlo Antonio

Atomic and Electronic Structure of Graphene Nanoribbons from Scanning Tunneling Microscopy. Heraeus Seminar - Functional molecules on surfaces, Bad Honnef, DE, 05-19 to 05-21 ♦

Talirz, Leopold, Söde Hajo, Cai Jinming, Ruffieux Pascal, Blankenburg Stefan, Jafaar Rached, Berger Richard, Feng Xinliang, Müllen Klaus, Passerone Daniele, Fasel Roland, Pignedoli Carlo Antonio

Characterizing atomically precise graphene nanoribbons through STM/STS and DFT. On-surface synthesis workshop, Les Houches, FR, 05-25 to 05-30 ♦

Talirz, Leopold, Söde Hajo/Wang Shiyong/Ruffieux Pascal/Feng Xinliang/Müllen Klaus/Passerone Daniele/Fasel Roman/Pignedoli Carlo

Band gap of atomically precise graphene nanoribbons as a function of ribbon length and termination. ECOSS 30, Antalya, TR, 08-31 to 09-05 🍀

Talirz, Leopold, Wang Shiyong, Söde Hajo, Ruffieux Pascal, Fasel Roman, Pignedoli Carlo, Passerone Daniele, Fen Xinliang, Müllen Klaus

Electronic Structure of Decoupled Graphene Nanoribbons. 9th mol surf discussion meeting, Bern, 06-13 🍀

Wang, Shiyong, Thomas Dienel, Shigeki Kawai, Hajo Söde, Oliver Gröning, Jia Liu, Ernst Meyer, Pascal Ruffieux, Roman Fasel

Edge fusion of graphene nanoribbons characterized via frequency-shift non-contact atomic force microscopy. 17th international conference on non-contact AFM, Tsukuba, JP, 08-04 to 08-08 ♦

Widmer, Roland

Surface Chirality of intermetallic PdGa Single Crystal Catalysts. European Conference on Surface Science - ECOSS 30, Antalya, TR, 08-31 to 09-05 🍀

Widmer, Roland

Surface Science Investigations on Structures and Adsorption Sites of Single Crystal PdGa Surfaces. European C-MAC Days 2014, Zagreb, HR, 12-09 to 12-11 🍀 ○

Widmer, Roland, Dienel Thomas, Gröning Oliver, Radican Kevin

Single Molecules in a Petri Dish: Site-Selective Dehalogenation and Ullmann-type Coupling. 27th Symposium on Surface Science, St. Christoph, AT, 03-09 to 03-15 ◆

Widmer, Roland, Prinz Jan, Pignedoli Carlo, Passerone Daniele, Gröning Oliver

Surface science studies on structures and adsorption sites of single crystalline PdGa surfaces as model catalysts in acetylene hydrogenation. 4th INTERNATIONAL SYMPOSIUM OF INTERMETALLIC COMPOUNDS IN CATALYSIS, Santa Margherita Ligure, IT, 04-06 to 04-09 ◆

Yakutovich, Aliaksandr, Pignedoli Carlo A./Prinz Jan/Widmer Roland/Groening Oliver/Passerone Daniele/

Theoretical and experimental investigation of PdGa surfaces and their catalytic properties. WE-Heraeus-Seminar on "Functional Molecules at Surfaces", Physikzentrum Bad Honnef, DE, 05-19 to 05-21 ◆

Yakutovich, Aliaksandr, Pignedoli Carlo A./Prinz Jan/Widmer Roland/Groening Oliver/Passerone Daniele/

Theoretical and experimental investigation of PdGa surfaces and their catalytic properties. PASC14 conference, ETH Zurich, 06-02 to 06-03 ◆

Yakutovich, Aliaksandr, Pignedoli Carlo A./Prinz Jan/Widmer Roland/Groening Oliver/Passerone Daniele/

Theoretical and experimental investigation of PdGa surfaces and their catalytic properties. CCMX summer school: ATOMISTIC SCALE MODELLING OF MATERIALS, EPFL Lausanne, 09-01 to 09-03 ◆

Bissig, Benjamin, P. Reinhard, F. Pianezzi, S. Nishiwaki, H. Hagendorfer, S. Buecheler, A. N. Tiwari

Comparing the effects of potassium and sodium co-evaporation during Cu(In,Ga)Se₂ growth in a low temperature multi-stage process. EMRS Spring Meeting 2014, Lille, FR, 05-26 to 05-30 ◆

Buecheler, Stephan, Fu Fan, Pianezzi Fabian, Perrenoud Julian, Löckinger Johannes, Kranz Lukas, Jäger Timo, Reinhard Patrick, Bissig Benjamin, Tiwari Ayodhya

On the anomalous hysteresis effect of Organic-inorganic hybrid perovskite based solar cells and the potential of CIGS/perovskite tandem structures. EMRS Spring meeting 2014, Lille, FR, 05-26 to 05-30 🍀

Buecheler, Stephan, Kranz Lukas, Jäger Timo, Reinhard Patrick, Hagendorfer Harald, Romanyuk Yaroslav, Tiwari Ayodhya

Trihalide perovskite planar heterojunction solar cells combined with Cu(In,Ga)Se₂ devices in tandem structures. MRS Fall meeting 2013, Boston, US, 2013-12-02 to 2013-12-06 🍀

Buecheler, Stephan, Kranz Lukas, Jäger Timo, Reinhard Patrick, Hagendorfer Harald, Romanyuk Yaroslav, Tiwari Ayodhya

Trihalide perovskite planar heterojunction solar cells combined with Cu(In,Ga)Se₂ devices in tandem structures. MRS Fall Meeting 2013, Boston, US, 2013-12-02 to 2013-12-06 ◆

Buecheler, Stephan, Kranz Lukas, Perrenoud Julian, Gretener Christina, Tiwari Ayodhya

Defekte und Grenzflächen in CdTe Solarzellen. Verbindungshalbleiter für die Photovoltaik, Dresden, DE, 05-08 ○

Buecheler, Stephan, Pianezzi Fabian, Reinhard Patrick, Bissig Benjamin, Keller Debora, Nishiwaki Shiro, Tiwari Ayodhya

CIGS Thin Film Solar Cells – scope of further efficiency improvement. 5th International Workshop in CIGS Solar Cell Technology, Berlin, DE, 04-02 to 04-03 🍀 ○

Buecheler, Stephan, Pianezzi Fabian, Reinhard Patrick, Bissig Benjamin, Keller Debora, Nishiwaki Shiro, Tiwari Ayodhya

CIGS Thin Film Solar Cells – scope of further efficiency improvement. Workshop on thin film solar cells, Parma, IT, 06-19 to 06-20 🍀 ○

Buecheler, Stephan, Reinhard Patrick/ Pianezzi Fabian/ Bissig Benjamin/ Keller Debora/ Nishiwaki Shiro/ Tiwari Ayodhya

CIGS Thin Film Solar Cells – Relevant characterization techniques. PV Days, Halle (Saale), DE, 10-21 to 10-22 🍀 ○

Fuchs, Peter, Stuecheli Patrick, Van den Broek Jan, Hagendorfer Harald, Nishiwaki Shiro, Romanyuk Yaroslav, Tiwari Ayodhya N.

Chemical bath deposited i-ZnO/ZnO:Al window layers on CIGS solar cells. 29th European Photovoltaic Solar Energy Conference (EU PVSEC 2014), Amsterdam, NL, 09-22 to 09-25 ◆

Fuchs, Peter, Van den Broek Jan, Stuecheli Patrick, Hagendorfer Harald, Romanyuk Yaroslav, Tiwari Ayodhya N.

Mechanism of low temperature, aqueous solution deposition of conductive Al-doped ZnO. E-MRS Spring Meeting 2014, Lille, FR, 05-26 to 05-30 ◆

Fuchs, Peter, Van den Broek Jan, Stuecheli Patrick, Hagendorfer Harald, Romanyuk Yaroslav, Tiwari Ayodhya N.

Mechanism of low temperature, aqueous solution deposition of conductive Al-doped ZnO. Nanoterra conference, Lausanne, 05-19 to 05-20 ◆

Gretener, Christina, Wyss Michael, Kranz Lukas, Perrenoud Julian, Buecheler Stephan, Tiwari Ayodhya Nath

CdTe Thin Films doped by Cu and Ag – a Comparison in Substrate Configuration Solar Cells. 40th IEEE Photovoltaic Specialists Conference, Denver, Colorado, US, 06-09 to 06-13 🍀

Hagendorfer, Harald, Fuchs Peter/van den Broek Jan/Stuecheli Patrick/Paracchino Adrianna/Nishiwaki Shiro/Romanyuk Yaroslav E./Tiwari Ayodhya N.

Low temperature, aqueous solution deposition of high performance ZnO:Al TCO thin films on polymer- and temperature sensitive substrates. 2014 Spring Meeting E-MRS, Lille, FR, 05-26 to 05-30 🍄 ○

Hagendorfer, Harald, Fuchs Peter/van den Broek Jan/Stuecheli Patrick/Paracchino Adriana/ Nishiwaki Shiro/Romanyuk Yaroslav E./Tiwari Ayodhya N.

Low temperature, aqueous solution deposited ZnO:Al TCO thin films for application in CIGS thin film solar cells. Solliance (Solar research in the ELAT region) Seminar - The future of transparent conducting oxides, Hasselt, BE, 08-26 🍄 ○

Hagendorfer, Harald, Romanyuk Yaroslav E./Stücheli Patrick/Fuchs Peter/Nishiwaki Shiro/ Paracchino Adriana/Broussilou Cédric/Bermudez Veronica/Grand Pierre-Philippe/Tiwari Ayodhya N.

Low temperature chemical bath deposition for highly conductive ZnO:Al layers on temperature sensitive substrates. TCM 2014 - 5th International Symposium on Transparent Conductive Materials, Crete, GR, 10-12 to 10-17 🍄

He, Meng, Loredana Protesescu, Maksym Kovalenko

Shortcut Synthesis of Inorganic Nanocrystals Using In-situ Formed Alkylamides. International Conference Nanax6 "Nanoscience with Nanocrystals", Bad-Hofgastein, AT, 05-18 to 05-23 🍄

He, Meng, Maksym Kovalenko

Shortcut Synthesis of Inorganic Nanocrystals Using In-situ Formed Alkylamides. ETH Industry Day 2014, Zürich, 08-26 ◆

Jäger, Timo, Nishiwaki Shiro/Bissig Benkamin/Pianezzi Fabian/Reinhard Patrick/Buecheler Stephan/Romanyuk Yaroslav E./Tiwari Ayodhya N.

Hydrogenated indium oxide window layers for high-efficiency CIGS solar cells. EMRS 2014 Fall Meeting, Warsaw, PL, 09-15 to 09-19 🍄

Jäger, Timo, Romanyuk Yaroslav E./Tiwari Ayodhya N./Anders André

Controlling ion fluxes during reactive sputter-deposition of SnO₂:F. 72nd IUVESTA workshop, Seggau, AT, 04-07 to 11-21 🍄

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pianezzi Fabian/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Erni Rolf/ Tiwari Ayodhya N.

Local band gap measurements of thin film solar cells by VEELS. 2014 MRS Spring Meeting, San Francisco, US, 04-21 to 04-25 🍄

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pianezzi Fabian/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Erni Rolf/ Tiwari Ayodhya N.

Characterization of local electronic properties of CIGS thin film solar cells by VEELS and in-line holography. 2014 E-MRS Spring Meeting, Lille, FR, 05-26 to 05-30 🍄

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pianezzi Fabian/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Rossell Marta/ Erni Rolf/ Tiwari Ayodhya N.

Opportunities and challenges in local band gap measurements by VEELS: the case of CIGS solar cells. INTERFACES IN SEMICONDUCTORS – building understanding across the scales, Oslo, NO, 10-22 to 10-23 🍄 ○

Keller, Debora, Buecheler Stephan/ Reinhard Patrick/ Pohl Darius/ Surrey Alexander/ Rellinghaus Bernd/ Rossell Marta/ Erni Rolf/ Tiwari Ayodhya N.

Local electronic characterization of CIGS by VEELS and in-line electron holography. Topical Day Empa Electron Microscopy: Imaging and Analytics, Empa Dübendorf, 09-22 🍄

Kovalenko, Maksym

Novel strategies for combining clusters and nanocrystals into functional inorganic solids. QUANTSOL 2014, Bad Gastein, AU, 03-16 to 03-21 🍄 ○

Kovalenko, Maksym

Novel strategies for combining clusters and nanocrystals into functional inorganic solids. CIMTEC-2014: 13th International Conference on Modern Material, Montecatini Terme, IT, 06-16 to 06-20 🍄 ○

Kovalenko, Maksym

Novel strategies for combining clusters and nanocrystals into functional inorganic solids. 5th EUEMS Chemistry Congress, Istanbul, TR, 08-31 to 09-05 🍄 ○

Kovalenko, Maksym

Novel strategies for combining clusters and nanocrystals into functional inorganic solids. ETH-Osaka Symposium, Osaka University, JP, 10-07 to 12-10 🍄 ○

Kovalenko, Maksym

Novel strategies for combining clusters and nanocrystals into functional inorganic solids. Symposium on Battery Materials, Uni of Oslo, Dept. of Chemistry, NO, 11-20 to 11-21 🍄 ○

Kovalenko, Maksym

Novel strategies for combining clusters and nanocrystals into functional inorganic solids. Fall Meeting of Materials Research Society, Boston, US, 11-30 to 12-05 🍄 ○

Kravchyk, Kostiantyn, Meng He, Marc Walter, Maksym Kovalenko

Monodisperse Nanocrystals for Na-ion and Li-ion Battery Anodes: Nano vs. Bulk. Fall Meeting of Materials Research Society, Boston, US, 11-30 to 12-05 ◆

Perrenoud, Julian, Christina Gretener, Lukas Kranz, Stephan Bücheler, Ayodhya N. Tiwari

The physics of CdTe p-type doping with Cu. EMRS spring meeting, Lille, FR, 05-26 to 05-23 🍄

Pianezzi, Fabian, Reinhard Patrick, Bissig Benjamin, Nishiwaki Shiro, Chirila Adrian, Buecheler Stephan, Tiwari Ayodhya

How post deposition treatment with NaF and KF improves the electronic properties of low temperature grown Cu(In,Ga)Se₂ solar cells. EMRS 2014 Spring meeting, Lille, FR, 05-26 to 05-30 ♦

Reinhard, Patrick, Pianezzi Fabian, Bissig Benjamin, Keller Debora, Döbeli Max, Hagendorfer Harald, Nishiwaki Shiro, Erni Rolf, Buecheler Stephan, Tiwari Ayodhya N.

Potassium and sodium post-deposition treatments of low-temperature evaporated Cu(In,Ga)Se₂ thin films for high efficiency solar cells – A comparative study. 2014 E-MRS Spring meeting, Lille, FR, 05-26 to 05-30 ♣

Reinhard, Patrick, Pianezzi Fabian, Bissig Benjamin, Kranz Lukas, Sutter-Fella Carolin M., Keller Debora, Nishiwaki Shiro, Chirila Adrian, Erni Rolf, Buecheler Stephan, Tiwari Ayodhya N.

HIGH EFFICIENCY FLEXIBLE CU(IN,GA)SE₂ SOLAR CELLS: ALLENGES AND OPPORTUNITIES. 12. Nationale Photovoltaik Tagung, Lausanne, 04-10 to 04-11 ♦

Reinhard, Patrick, Pianezzi Fabian, Bissig Benjamin, Nishiwaki Shiro, Buecheler Stephan, Tiwari Ayodhya N.

Sodium and potassium post-deposition treatments of Cu(In,Ga)Se₂ absorbers evaporated at low temperature. 29th European PV solar energy conference and exhibition (EU-PVSEC), Amsterdam, NL, 09-22 to 09-26 ♣

Romanyuk, Yaroslav, Hagendorfer Harald, Patrick Stücheli, Fuchs Peter, Uhl Alexander, Sutter-Fella Carolin, Tiwari Ayodhya

Highly conductive Al-doped ZnO from aqueous solutions: towards an all-solution-processed thin film solar cell. E-MRS 2014 Fall Meeting, Warsaw, PL, 09-15 to 09-19 ♣ ○

Romanyuk, Yaroslav, Uhl Alexander, Sutter-Fella Carolin, Hagendorfer Harald, Tiwari Ayodhya

Solution-processed chalcogenide thin film solar cells. QUANTSOL 2014 Winter workshop, Rauris, AT, 03-16 to 06-21 ♣ ○

Stefan G. Haaß, Ayodhya N. Tiwari, Carolin M. Sutter - Fella, Melanie Werner, Yaroslav E. Romanyuk

Selenisation of solution-deposited CZTS precursors under Se overpressure in evacuated glass ampoules. E-MRS Spring Meeting 2014, Lille, FR, 05-25 to 05-30 ♦

Tiwari, Ayodhya Nath, .

Progress and Prospects of CIGS Photovoltaic Technology for Enabling Low Cost Solar Electricity. 7th International Photovoltaic Power Generation Expo, Tokyo, JP, 02-26 to 02-28 ♣ ○

Tiwari, Ayodhya Nath.

.Energy Technology Research Workshop, Gstaad-Saanen, 03-09 to 03-12 ♣ ○

Tiwari, Aoyhdya Nath.

Thin Film Chalcogenide PV: Progress in Research Breakthroughs and Industrial Developments. 40th IEEE Photovoltaic Specialists, Denver, US, 06-08 to 06-13 ♣ ○

Tiwari, Ayodhya Nath.

High efficiency flexible CIGS solar cells. 3rd European Conference on Nanao Films, Seville, ES, 07-07 to 07-11 ♣ ○

Tiwari, Ayodhya Nath

Tech Transfer, bringing energy technologies to market. Swiss-US Energy Innovation Days, Boston, US, 07-09 to 07-12 ♣ ○

Tiwari, Ayodhya Nath.

BAPV and BIPV market and growth prospects for cost effective solar electricity, Solar Technology Roundtable, United Nations Sustainable Development Solutions Network (SDSN), Washington DC, US, 10-09 to 10-10 ♣ ○

Tiwari, Ayodhya Nath, Patrick Reinhard, Fabian Pianezzi, Benjamin Bissig, Debora Keller, Adrian Chirila, Shiro Nishiwaki, Rolf Erni, Stephan Buecheler

Influence of alkali and metallic impurities in Cu(In,Ga)Se₂ thin film solar cells. European Materials Research Society-2014 Spring Meeting, Lille, FR, 05-26 to 05-30 ♣ ○

Tiwari, Ayodhya Nath, P. Reinhard, M. Werner, B. Bissig, F. Pianezzi, C. Sutter-Fella, H. Hagendorfer, S. Nishiwaki, Y. Romanyuk, S. Buecheler

On the role of alkali metals in chalcogenide solar cells. The 6th World Conference on Photovoltaic Energy Conversion, Kyoto, JP, 11-23 to 11-27 ♣ ○

Uhl, Alexander, Lienau Karla, Reinhard Patrick, Pianezzi Fabian, Bissig Benjamin, Fuchs Peter, Nishiwaki Shiro, Hagendorfer Harald, Buecheler Stephan, Romanyuk Yaroslav, Tiwari Ayodhya

Flexible Cu(In,Ga)Se₂ solar cells with chemical-bath deposited Zn(S,O,OH) buffer layers. 29th European Photovoltaic Solar Energy Conference (EU PVSEC 2014), Amsterdam, NL, 09-21 to 09-26 ♣

Walter, Marc, Maksym Kovalenko

Chemically Engineered Nanocrystal Solids: Their beauty and use. From Graduation to Innovation, Chemnitz, DE, 06-24 ♣ ○

Walter, Marc, Meng He, Kostiantyn Kravchyk, Maksym Kovalenko

Nanocrystals as high-performance anode material for Li-ion and Na-ion batteries. ETH Industry Day 2014, Zürich, 08-26 to 11-26 ♦

Walter, Marc, Meng He, Kostiantyn Kravchyk, Maksym Kovalenko

Monodisperse Nanocrystals for Na-ion and Li-ion Battery Anodes: Nano vs. Bulk. NaNaX6 - Nanoscience with Nanocrystals, Bad Hofgastein, AT, 05-19 to 05-23 ♣

Walter, Marc, Meng He, Kostiantyn Kravchyk, Maksym, Kovalenko

Nanocrystals for Lithium-ion and Sodium-ion Batteries. Nanoforum 2014, Linz, AT, 06-23 to 06-24 ♣ ○

Werner, Melanie, C. M. Sutter-Fella, S. G. Haaß, Y. E. Romanyuk, A. N. Tiwari

Controlling metal ratios and electronic properties in DMSO solution-processed Cu₂ZnSn(SSe)₄ solar cells.. E-MRS 2014 SPRING MEETING, Lille, FR, 05-26 to 05-30 ◆

Civil and Mechanical Engineering

Meier, Urs

Aftab Mufti Symposium about FRP in Construction, University of British Columbia, Vancouver, CA, 08-20

Meier, Urs

CFK-Zugglieder: Warum? Warum nicht? Was wenn? Visionsforum Bauen mit Carbon, Technische Universität Berlin, Berlin, DE, 02-26 ♣ ○

Meier, Urs

Advanced Materials Support Long-Span Durable Bridge Construction. 8th China Tunnel & Bridge Summit, Regal International East Asia Hotel, Shanghai, CN, 02-27 to 02-28 ♣ ○

Meier, Urs

Neue Märkte für Carbon Fasern – Warum? Warum nicht? CCEV Automotive Forum 2014, Porsche Werk, Leipzig, DE, 06-02 to 06-03 ♣ ○

Meier, Urs

Future of composites? 7th Framework Programme: Advanced Material Textile for Reinforced Structures for Complex Lightweight Applications, University of Applied Sciences and Arts of Souther, 06-25 to 06-26 ♣ ○

Meier, Urs

FRP in Construction: It Was a Long Way to Go. CICE 2014, International Conference on FRP Composites in Civil Engineering, University of British Columbia, Vancouver, CA, 08-19 to 08-22 ♣ ○

Meier, Urs, Terrasi Giovanni, Gao Jing

Reinforced Concrete and Carbon Fiber Reinforced Polymers. fib International Conference on Concrete and Reinforced Concrete, Russian Academy of Sciences, Moscow, RU, 05-12 to 05-16 ♣ ○

Meier, Urs, Terrasi Giovanni, Gao Jing

Use of the Time-Temperature Superposition Principle for the Prediction of FRP Creep Data. CICE 2014, International Conference on FRP Composites in Civil Engineering, University of British Columbia, Vancouver, CA, 08-19 to 08-22 ♣ ○

Acoustics/Noise Control

Clark, Ian, Brink Mark/Tinguely Gilberte/Röösl Martin/Probst-Hensch Nicole/Wunderli Jean Marc/Pieren Reto/Cajochen Christian

Inter-individual differences in the effects of night-time noise exposure on sleep and cognitive performance during daytime. 22nd Congress of the European Sleep Research Society, Tallinn, EE, 09-16 to 09-20 ◆

Eggenschwiler, Kurt

50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ■

Eggenschwiler, Kurt

Herbsttagung der Schweizerischen Gesellschaft für Akustik, Winterthur, 11-13 to 11-14 ■

Eggenschwiler, Kurt, Schäffer Beat

Der Zürcher Fluglärm Index ZFI. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ◆

Eggenschwiler, Kurt, von Fischer Sabine

Aus der Geschichte der Akustik an der ETH Zürich und an der Empa Dübendorf. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ◆

Glavitsch, Ulrike, Küpper Dennis/Stamm Tobias/Szakos Jozsef

Podcast Archives: Access Through SpeechIndexer Technology. Archiving 2014, Berlin, DE, 05-13 to 05-16 ♣

Héritier, Harris, Vienneau Danielle/Brink Mark/Cajochen Christian/Eze Ikenna/Karipidis Ioannis/Keidel Dirk/Köpfli Micha/Pieren Reto/Probst-Hensch Nicole/Rudzik Franziska/Schaffner Emmanuel/Thiesse Laurie/Wunderli Jean Marc/Röösl Martin

SiRENE – an interdisciplinary study on the health effects of transportation noise exposure: a study protocol. Swiss Public Health Conference, Olten, 08-21 to 08-22 ◆

Heutschi, Kurt, Pieren Reto/Eggenschwiler Kurt

Visual-Acoustic Simulation for landscape impact assessment of Wind Farms: VisAsim. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ◆

Heutschi, Kurt, Pieren Reto/Eggenschwiler Kurt

Visual-Acoustic Simulation for landscape impact assessment of Wind Farms: VisAsim. Landschaft und Energiewende - Der Einfluss erneuerbarer Energien auf die Landschaft, Birmensdorf, 11-25 ◆

Heutschi, Kurt, Plüss Stefan

Wellentheoretische Schallausbreitungssimulationen. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ◆

Karipidis, Ioannis

SiRENE – Short and Long Term Effects of Traffic Noise Exposure. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ◆

Karipidis, Ioannis, Köpfli Micha/Vienneau Danielle/Brink Mark/Cajochen Christian/Probst-Hensch Nicole/Röösl Martin/Schäffer Beat/Wunderli Jean Marc

SiRENE – an interdisciplinary study on the health effects of transportation noise exposure: noise calculation solutions on the example of air traffic. Forum Acusticum, Krakow, PL, 09-07 to 09-12 ♣

Locher, Barbara

Beurteilung und Begrenzung des Lärms von abgestellten Zügen. Herbsttagung der Schweizerischen Gesellschaft für Akustik, Winterthur, 11-13 to 11-14 🍄

Locher, Barbara, Wunderli Jean Marc/Hafner Michael, Köstli Kornel

Beurteilung und Begrenzung des Lärms von abgestellten Zügen. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Pedersoli, Stefano, Schoenwald Stefan

Low Frequency Noise in Small Rooms: Research on Sound Fields. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Pedersoli, Stefano, Schoenwald Stefan/Zemp Armin

Low-frequency noise in small rooms: research on sound fields. TECNIAACÚSTICA 45º Congreso Español de Acústica- 8º Congreso Ibérico de Acústica, Murcia, ES, 10-29 to 10-31 🍄

Pieren, Reto, Eggenschwiler Kurt

Sound absorbing, translucent, lightweight curtains. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Rietdijk, Frederik

Auralization of aircraft noise in an urban environment. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Rietdijk, Frederik, Heutschi Kurt/Jens Forsén

Modelling sound propagation in the presence of atmospheric turbulence for the auralisation of aircraft noise. Conference Forum Acusticum, Krakow, PL, 09-07 to 09-12 🍄

Rietdijk, Frederik, Kurt Heutschi/Jens Forsén

Modelling sound propagation in the presence of atmospheric turbulence for the auralization of aircraft noise. 168th Meeting: Acoustical Society of America, Indianapolis, US, 10-27 to 10-31 🍄

Schäffer, Beat, Wunderli Jean Marc/Eggenschwiler Kurt

Psychoakustik – Hörversuche zur Wahrnehmung des Schalls durch den Menschen. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Schoenwald, Stefan

Körperschalleistungsfluss in Strukturen – Messung mit einem Scanning Laser Vibrometer. 8. DEGA-Symposium "Messverfahren in der Akustik", gemeinsam veranstaltet mit dem Fachverband Akustik der Deutschen Physikalischen Gesellschaft (DPG), Bad Honnef, DE, 10-16 to 10-17 🍄 ○

Schoenwald, Stefan

Bauakustische Anforderungen als Hürde für den Export kanadischer Holzbautechnologie nach Asien. Akustisches Kolloquium, ETH Zürich, 05-21 🍄 ○

Schoenwald, Stefan

Materialien und Systeme – Entstehung und Kontrolle von Schall und Vibrationen. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 🍄

Schoenwald, Stefan

Schallschutz in Gebäudesystemen. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Schoenwald, Stefan

Forschungseinrichtungen – Materialien und Systeme. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Schoenwald, Stefan, Zeitler Berndt/Sabourin Ivan

Analysis on Structure-borne Sound Transmission at Junctions of Solid Wood Double Walls with Continuous Floors. Forum Acusticum 2014, Krakow, PL, 09-07 to 09-12 🍄 ○

Tröbs, Hans-Martin, Schoenwald Stefan/Zemp Armin

Experimentelle Bestimmung des Abstrahlgrads von leichten Strukturen unter Verwendung verschiedener Messmethoden. DAGA 2014, Oldenburg, DE, 03-10 to 03-13 🍄

Tröbs, Hans-Martin, Schoenwald Stefan/Zemp Armin

Comparison of different measurement methods of radiation efficiency of lightweight structures. Forum Acusticum, Krakow, PL, 09-07 to 09-12 🍄 ○

Vienneau, Danielle, Brink Mark/Cajochen Christian/Eze Ikenna/Héritier Harris/Karipidis Ioannis/Keidel Dirk/Köpfli Micha/Pieren Reto/Probst-Hensch Nicole/Rudzik Franziska/Schaffner Emmanuel/Thiesse Laurie/Wunderli JeanMarc/Rösli Martin

SIRENE – an interdisciplinary study on the health effects of transportation noise exposure: a study protocol. ICEN 2014 - 11th International Congress on Noise as a Public Health Problem, Nara, JP, 06-01 to 06-05 ♦

Vomhof, Max, Vasey Lauren/Bräuer Stefan/Eggenschwiler Kurt/ Strauss Jürgen/Gramazio**Fabio/Kohler Matthias**

Robotic Fabrication of Acoustic Brick Walls. 34th Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA), Los Angeles, US, 10-23 to 10-25 🍄

Wunderli, Jean Marc

Fluglärmsimulation mit sonAIR. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ♦

Wunderli, Jean Marc

Umweltakustik – von der Schallquelle zur akustischen Wahrnehmung. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 🍄

Zeitler, Berndt, Schoenwald Stefan/King Frances

Parametric study of direct airborne insulation of wood stud walls in midrise construction. INTERNOISE 2014 - 43rd International Congress on Noise Control Engineering, Melbourne, AU, 11-16 to 11-19 🍄 ○

Zeitler, Berndt, Schoenwald Stefan/Quirt Dave

A new approach to building acoustics regulation in Canada. INTERNoise 2014 - 43rd International Congress on Noise Control Engineering, Melbourne, AU, 11-16 to 11-19 🍄 ○

Zeitler, Berndt, Schoenwald Stefan/Sabourin Ivan

Direct Impact Sound Insulation of Cross Laminate Timber Floors with and without Toppings. INTERNOISE 2014 - 43rd International Congress on Noise Control Engineering, Melbourne, AU, 11-16 to 11-19 🍄 ○

Zellmann, Christoph

Workshop organized by DLR and TU Delft. Aircraft noise reduction at the source, Schloss Meisdorf, Falkenstein, Harz, DE, 10-06 to 10-08 🍄 ○

Zellmann, Christoph

Sound emission of aircraft – mechanisms, reduction and simulation. RFA-Colloquium Natural Resources and Pollutants + Energy, Empa Dübendorf, 11-03 🍄

Zellmann, Christoph, Wunderli Jean Marc

Influence of the atmospheric stratification on the sound propagation of single flights. Internoise 2014, Melbourne, AU, 11-16 to 11-19 🍄 ○

Zemp, Armin

2014 ASME Swiss Section Technical Tour & Early Career Award, Zurich, 10-22 ■

Zemp, Armin

Minderung von Schienenlärm mit Fokus auf den Bereich unter der Schienenoberkante. Herbsttagung der Schweizerischen Gesellschaft für Akustik, Winterthur, 11-13 to 11-14 🍄

Zemp, Armin, Müller Roger/Hafner Michael

Characterization of Train-Track Interactions based on Axle Box Acceleration Measurements for Normal Track and Turnout Passages. EURO DYN 2014 - IX International Conference on Structural Dynamics, Porto, PT, 06-30 to 07-02 🍄

Zemp, Armin, Tröbs Hans-Martin/Heutschi Kurt/Wunder Jean Marc

Development of a Method for the Determination of Acoustical Railway Track Transfer Functions. 50 Jahre (+0.3 dB) Abteilung Akustik, Akademie, Empa Dübendorf, 08-22 ◆

Bandera, Davide, Josset Sébastien/Zheng Z./Tingaut Philippe/Zimmermann Tanja

Production and applications of nanocellulose. Swiss Nanoconvention, Baden Brugg, 05-21 to 05-22 ◆ ○

Bellanger, Hervé

Chemical modification for preserving aesthetics of wood surfaces. Nature Inspires Chemistry Engineers (NICE 2014), Nice, FR, 10-15 to 10-17 ◆ ○

Burgert, Ingo

Bio-inspired Wood Materials Science. Workshop on Bio-inspired technologies towards H2020, Cambridge, GB, 01-21 to 01-22 🍄 ○

Burgert, Ingo

Bio-inspired Wood Materials Science. COST FP 1105 WG III Task Group Meeting, Rome, IT, 01-27 to 01-28 🍄 ○

Burgert, Ingo

Wood Biomechanics & Biomimetics. Compo 2014, Weizmann Institute, Rehovot, IL, 04-28 to 05-01 🍄 ○

Burgert, Ingo

Bio-inspirierte Materialien aus Holz. 6. Wädenswiler Chemietag: Neue Materialien aus Holz –nahe oder ferne Zukunft? Zürcher Hochschule für Angewandte Wissenschaften (ZHAW), Swiss Wood Innovation Network (S-WIN) & SNF Nationale Forsch, Wädenswil, 06-26 🍄 ○

Burgert, Ingo

Bio-inspired wood materials Science. 2nd Biomimicry Europe Innovation and Finance Summit, Zürich, 09-04 to 09-05 🍄 ○

Burgert, Ingo

Holzbaasierte Materialien – Forschungsansätze für die Zukunft. 40 Jahre Holzforschung an der Universität für Bodenkultur, Wien - 17.10.2014, Tulln, AT, 10-17 🍄 ○

Burgert, Ingo, Rüggeberg Markus / Razghandi K.

Bio-inspired wooden elements for autonomous movements. 7th World Congress of Biomechanics. Session Title: Force generation and sensing in organisms, Boston, US, 07-06 to 07-11 🍄 ○

Cabane, Etienne, Keplinger Tobias/Merk Vivian/Burgert Ingo

New Materials from Wood: Atom Transfer Radical Polymerization in the Wood Structure. Nature Inspires Chemistry Engineers (NICE 2014), Nice, FR, 10-15 to 10-17 🍄 ○

Cabane, Etienne, Keplinger Tobias/Merk Vivian/Hass Philipp/Burgert Ingo

Novel functionalities in wood materials: modification via cell wall initiated radical polymerization. Materials Science Engineering MSE 2014, Darmstadt, DE, 09-23 to 09-25 🍄 ○

De Freitas Siqueira, Gilberto, Josset Sébastien/Orsolini Paola/Tingaut Philippe/Zimmermann Tanja

Cellulose nanofibers as an opportunity for Pulp & Paper industries, Bio-refineries and the valorization of cellulose waste materials. TAPPI International conference on Nanotechnology of renewable materials, Vancouver, SE, 06-23 to 06-26 ○

Gierlinger, Notburga, Prats Mateau B./Stefke B./Burgert Ingo
Studying in situ lignification in newly formed xylem cells by Confocal Raman microscopy. LIGNIN 2014 – From biosynthesis to utilization, Umea, SE, 08-24 to 08-28 🍄 ○
Grüneberger, Franziska, Künniger Tina/Zimmermann Tanja/Arnold Martin
Nanofibrillated cellulose for exterior wood coatings – a feasibility study. TAPPI International Conference on Nanotechnology of renewable materials, Vancouver, CA, 06-23 to 06-26 ♦ ○
Grüneberger, Franziska, Künniger Tina/Zimmermann Tanja/Arnold Martin
Nanofibrillated Cellulose as a Novel Component in Exterior Wood Coatings – A Feasibility Study. PRA's 9th International Woodcoatings Congress, Amsterdam, NL, 10-14 to 10-15 🍄 ○
Künniger, Tina, Grüneberger Franziska/Zimmermann Tanja/Arnold Martin
Nanofibrillated cellulose in wood coatings – a feasibility study. ETCC - European Technical Coatings Congress, Gürzenich, Cologne, DE, 09-03 to 09-05 🍄 ○
Merk, Vivian, Burgert Ingo
Wood cell wall calcification for the design of biocomposites with improved macroscopic performance. Nature Inspires Chemistry Engineers (NICE 2014), Nice, FR, 10-15 to 10-17 🍄 ○
Pérez de Larraya, Uxua, Sehaqui Houssine/Josset Sébastien/Ribera Regal Javier/Heeb Markus/Pfenninger N./Szivak I./Estella J./Zimmermann Tanja/Tingaut Philippe
Cationic cellulose as sorbents of negatively charged contaminants with antifouling characteristics. Nano4water, Stockholm, SE, 04-23 to 04-24 ♦ ○
Segmehl, Jana
Copper coating of wood structures. MaP Graduate Symposium, Zürich, 06-05 ♦ ○
Sehaqui, Houssine, Krasnobaev A./De Freitas Siqueira Gilberto/Wichser A./Cabane Etienne/Zimmermann Tanja/Tingaut Philippe
Synthesis of Poly(acrylic acid) composite hydrogels reinforced with Nanofibrillated cellulose: application for the removal of heavy metal ions from waste water. Nano4water, Stockholm, SE, 04-23 to 04-24 ♦ ○
Steiger, René, Arnold Martin/Risi Walter
"Beurteilung der Qualität von Klebfugen mittels Blockscher- und Delaminierungsversuchen". 46. Fortbildungskurs S-win: Holzverbindungen mit Klebstoffen für die Bauanwendung, Weinfelden, 10-21 to 10-22 🍄 ○
Tingaut, Philippe
Chemical Functionalization of Cellulose Nanofibers with Alkoxysilane molecules. International Symposium on "Functionalizing surfaces with silanes", Zürich, 07-08 🍄 ○
Tingaut, Philippe, Zheng Z./Rentsch Daniel/Zimmermann Tanja/Sèbe G.
Design of hierarchical silylated nanocellulose sponges for the selective removal of oil from water. 2nd International Conference on Bioinspired and Biobased Chemistry and Materials, Nice, FR, 10-15 to 10-17 🍄 ○
Zimmermann, Tanja
Functional Wood Based Materials @ Empa. Profildfeld Polymer- und Kolloidforschung, Bayreuth, DE, 03-31 🍄 ○
Zimmermann, Tanja, Tingaut Philippe
Cellulose nanofibers for a broad range of advanced materials. 13th International Symposium on Bioplastics, Biocomposites & Biorefining, Guelph, CA, 05-19 to 05-24 ○
Allegrini, Jonas, Dorer Viktor / Carmeliet Jan
Influence of urban Morphologies on the Microclimate in urban Neighbourhoods. 6. International Symposium on Computational Wind Engineering CWE 2014, Hamburg, DE, 06-08 to 06-12 🍄
Brunner, Samuel
A summary of IVIS2013, the 11th Int. Vacuum Insulation Symposium. 5ème journées techniques matériau super isolant thermique, Lyon, FR, 04-02 to 04-03 🍄 ○
Brunner, Samuel
Aerogel enduit thermo-isolant haute performance -Aerogel based Render. 5ème journées techniques matériau super isolant thermique, Lyon, FR, 04-02 to 04-03 🍄
Dorer, Viktor, Orehounig Kristina
Performance Gap“ in der Schweiz – Brisanz, Ursachen und Einflüsse auf die Differenz von geplantelem Energiebedarf und gemessenem Verbrauch in Gebäuden. Brenet StatusSeminar Energieforschung Schweiz, Zürich, 09-04 to 09-05 🍄
Evins, Ralph, Allegrini Jonas / Moonen Peter
Emulating site-specific wind flow information for use in building energy simulations. Building Simulation and Optimization 2014, London, GB, 06-23 to 06-24 🍄
Evins, Ralph, Orehounig Kristina /
A bi-level design and operation optimisation process applied to an energy centre. Building Simulation and Optimization 2014, London, GB, 06-23 to 06-24 🍄
Evins, Ralph, Vaidyanathan / Burgess
Multi-material compositional pattern-producing networks for form optimisation. evoEnergy, Baeza, ES, 04-23 to 04-25 🍄
Fumey, Benjamin, Fritschi M
Electric energy module for energy-autarkic living. Brenet StatusSeminar Energieforschung Schweiz, Zürich, 09-04 to 09-05 🍄

Fumey, Benjamin, Vogt Ulrich

Hydrogen fueled stove for autartic living. Brenet Status Seminar Energieforschung Schweiz, Zürich, 09-04 to 09-05 🍷

Fumey, Benjamin, Weber Robert / Gantenbein / Dagueuet-Frick

Sorption based heat storage demonstrator. Brenet Status Seminar Energieforschung Schweiz, Zürich, 09-04 to 09-05 🍷

Goto, Yutaka, Ostermeyer York/Ghazi Wakili Karim/Frangi Andrea/Ando Naoto/Wallbaum Holger

Sustainable wooden building for subtropical regions – The realization and validation in Japan. World Conference on Timber Engineering WCTE 2014, Quebec City, CA, 08-10 to 08-14 🍷

Immer, Marc, Moonen Peter / Carmeliet Jan

Comparison of flow data from large eddy simulation with time resolved stereo-PIV wind tunnel measurements of a shear-driven cavity. 6. International Symposium on Computational Wind Engineering CWE 2014, Hamburg, DE, 06-08 to 06-12 🍷

Koebel, Matthias

New Superinsulating Materials for Sustainable Buildings. Innovative Technologies for Sustainable and Resilient Buildings US and Swiss Experiences – SWISSNEX energy networking days, Boston, MA, US, 07-09 to 07-10 ♦ ○

Koebel, Matthias

From efficiency to renewables and storage – Sol-gel materials for integrated building solutions. NIMS GREEN open seminar, NIMS, Tsukuba, JP, 08-28 🍷 ○

Koebel, Matthias

New Superinsulating aerogel materials for Sustainable Buildings. Chinese Academy of Sciences Beijing academic seminar, CAS, Beijing, CN, 09-01 🍷 ○

Koebel, Matthias

From efficiency to renewables and storage – Sol-gel materials for integrated building solutions Nanjing university of aeronautics and astronautics. Honorary Professorship lecture, University of Changzhou, Changzhou University, Changzhou, CN, 09-03 🍷 ○

Koebel, Matthias

From efficiency to renewables and storage – Sol-gel materials for integrated building solutions. Nanjing university of Aeronautics and Astronautics, school of engineering seminar, NUAA, Nanjing, CN, 09-05 🍷 ○

Koebel, Matthias

Dämmung neu gedacht. Fachveranstaltung EcoBau – Lebenszyklus von Gebäuden, Bern, 09-26 🍷 ○

Koebel, Matthias

(Silica) Aerogels as high-performance insulation materials: preparation techniques and mechanical reinforcement strategies. International Seminar on Aerogels 2014 Properties-Manufacture-Applications, Hamburg TUHH, DE, 10-06 to 10-07 🍷 ○

Koebel, Matthias

From efficiency to renewables and storage – Sol-gel materials for integrated building solutions. 5. Sol-Gel Fachkonferenz TAW, Würzburg, DE, 10-21 to 10-22 🍷 ○

Lal, Sreeyuth

Investigation of water uptake, drainage and convective drying in porous asphalt with neutron radiography. 6th International Conference on Porous Media, Milwaukee, US, 05-27 to 05-30 🍷

Lal, Sreeyuth

Investigation of water transport and drying in porous asphalt with neutron radiography. 10th World Conference on Neutron Radiography, Grindelwald, 09-28 to 10-10 🍷

Mavromatidis, Georgios, Evins Ralph / Orehounig Kristina / Dorer Viktor / Carmeliet Jan

Multi-objective optimization to simultaneously address energy hub sizing, layout and scheduling using a linear formulation. Int. Conference on Engineering Optimization, Lisbon, PT, 09-08 to 09-11 🍷

Morvaj, Boran, Evins Ralph / Carmeliet Jan

Optimal selection and operation of distributed energy resources for an urban district. Int. Conference on Engineering Optimization, Lisbon, PT, 09-08 to 09-11 🍷

Orehounig, Kristina, Mavromatidis Georgios / Evins Ralph / Dorer Viktor / Carmeliet Jan

Predicting energy consumption of a neighbourhood using calibrated building performance simulations... Building Simulation and Optimization 2014, London, GB, 06-23 to 06-24 🍷

Vonlanthen, Marcel, Moonen Peter / Carmeliet Jan

One-way nested large-eddy simulation for obstacle resolved flow over extended urban areas.. 6. International Symposium on Computational Wind Engineering CWE 2014, Hamburg, DE, 06-08 to 06-12 🍷

Weber, Robert

Eurotherm N°99: Advances in Thermal Energy Storage, Lleida, ES, 05-28 to 05-30

Weber, Robert

Saisonal Sorptionspeicher mit NaOH. Thermische Energiespeicher, Wien, AT, 10-23 🍷 ○

Luchsinger, Rolf

TwingPower. Swiss Energy and Climate Summit, Bern, 09-03 to 09-04 🍷 ○

Luchsinger, Rolf

Wind, twings and visions. Airborne Wind Energy Symposium, Delft, NL, 09-18 🍷 ○

- Alharache, Salaheddine, Lothenbach Barbara, Winnefeld Frank, Accardo Grazia, Champenois Jean-Baptiste, Hesselbarth Frank**
Dissolution of aluminosilicate glasses in OPC environment. 34th Cement & Concrete Science Conference, Sheffield, GB, 09-15 to 09-16 🌿
- Alharache, Salaheddine, Lothenbach Barbara, Winnefeld Frank, Accardo Grazia, Champenois Jean-Baptiste, Hesselbarth Frank**
Dissolution of aluminosilicate glasses in OPC environment. VGB Conference "EUROCOALASH 2014", Munich, DE, 10-13 to 10-15 🌿
- Bernard, Ellina, Dominik Nied, Emilie L'hôpital, Alexandre Dauzères, Barbara Lothenbach**
Kinetics of magnesium silicate hydrate formation. 2nd International Symposium on Cement-based Materials for Nuclear Wastes (NUWCEM 2014), Avignon, France, FR, 06-02 to 06-06 ♦
- Dauzères, A., Achiedo G., Nied D., L'Hôpital E., Alharache S, Lothenbach B.**
M-S-H precipitation in low-pH concretes in clayey environment. 2nd International Symposium on Cement-Based Materials for Nuclear Waste (NUWCEM), Avignon, FR, 06-03 to 06-05 🌿
- Griffa, Michele**
Recent developments in X-ray Imaging and analytics and what they can bring to the field of Nonlinear Elasticity of materials. XIX International Conference on Nonlinear Elasticity in Materials, Fréjus, FR, 06-22 to 06-28 🌿 ○
- Griffa, Michele, Toropovs Nikolai, Igarashi Go, Münch Beat, Ulrich Timothy James, Payan Cédric, Scalerandi Marco, Leemann Andreas, Neuenschwander Jürg, Jerjen Iwan, Schuetz Philipp, Carmeliet Jan, Lura Pietro**
Correlations between damage in concrete and its nonlinear elastic response. Complementing nonlinear ultrasound measurements with X-ray tomographic imaging. XIX International Conference on Nonlinear Elasticity in Materials, Fréjus, FR, 06-22 to 06-28 🌿
- Kaufmann, Josef**
Durability performance of fiber reinforced shotcrete in aggressive environment. The World Tunnel Congress 2014, Iguassu Falls, BR, 05-09 to 05-15 🌿
- Kaufmann, Josef, Manser M., Frech Kurt, Schuetz P., Münch Beat**
Rebound and orientation of fibers in shotcrete. The World Tunnel Congress 2014, Iguassu Falls, BR, 05-09 to 05-15 🌿
- Leemann, Andreas**
Lecture series on concrete durability (Alkali-aggregate reaction, External sulfate attack on concrete, Concrete deterioration in wastewater treatment plants, Self-compacting concrete, Porosity and pe. Symposium at Siam Cement Research and Innovation Center, Saraburi, TH, 11-25 🌿 ○
- L'Hôpital, Emilie, Lothenbach Barbara, Kulik Dmitrii, Scrivener Karen**
Aluminium and alkali uptake in calcium silicate hydrate. Calcium Silicate hydrates containing Aluminium workshop, Dübendorf, 05-05 to 05-06 🌿
- L'Hôpital, Emilie, Lothenbach Barbara, Le Saout Gwenn, Kulik Dmitrii, Scrivener Karen**
Synthesis and characterisation of pure C-A-S-H phases. NUWCEM 2014 2nd International Symposium on Cement-based Materials for Nuclear Wastes, Avignon, FR, 06-03 to 06-06 🌿
- Lothenbach, Barbara**
Effects of supplementary cementitious materials on microstructure and performance of cements. Nanocem 10th Anniversary Open Meeting, Lausanne, 04-08 🌿 ○
- Lothenbach, Barbara**
Effect of temperature on OPC-silica fume mixtures. Workshop Calcium-silicate hydrates containing aluminium: C-A-S-H, Empa Dübendorf, 05-05 to 05-06 🌿
- Lothenbach, Barbara**
Influence of temperature on cement hydration. 4th GEMS Workshop – Thermodynamic Modeling of Cementitious Systems, Empa Dübendorf, 05-07 to 05-08
- Lothenbach, Barbara**
Hydration modeling. 4th GEMS Workshop – Thermodynamic Modeling of Cementitious Systems, Empa C20, Dübendorf, 05-07 to 05-08 🌿
- Lothenbach, Barbara**
Thermodynamic modelling of effect of time and silica on the conversion process. Calcium Aluminate Cements: Proceedings of the International Conference 2014, Avignon, FR, 05-19 to 05-21 🌿 ○
- Lothenbach, Barbara, Nied Dominik, L'Hôpital Emilie, Achiedo G., Dauzères, A.**
Calcium and magnesium silicate hydrates. 2nd International Symposium on Cement-Based Materials for Nuclear Wastes, NUWCEM, Avignon, FR, 06-03 to 06-06 🌿
- Lothenbach, Barbara, Schöler Axel**
Workshop Calcium-silicate hydrates containing aluminium: C-A-S-H, Empa Akademie Dübendorf, 05-05 to 05-06 ■
- Lothenbach, Barbara, Winnefeld Frank**
4th GEMS Workshop – Thermodynamic Modeling of Cementitious Systems, Empa Dübendorf, 05-07 to 05-08 ■
- Lura, Pietro, Wyrzykowski Mateusz**
Internal-curing water distribution in concrete at early-ages: experiments and modelling. International RILEM Conference on Application of Super-Absorbent Polymers and other New Admixtures in Concrete Construction, Dresden, DE, 09-14 to 11-17 🌿 ○

Martin, Lukas, Leemann Andreas, Mäder Urs K., Rüedi Jörg

Secondary mineral formation and porosity changes in the proximity of a natural cement analog (Maqarin, Jordan). NUWCEM 2014; 2nd international symposium on cement-based materials for nuclear waste, Avignon, FR, 06-03 to 06-05 🌿

Martin, Lukas, Winnefeld F., Müller C.J., Lothenbach B.

Positiver Effekt von Kalkstein auf die Hydratation von Calciumsulfoaluminat-Zementen. GDCh-Tagung Bauchemie, Kassel, DE, 10-06 to 10-08 🌿

Mokso, Rajmund, Marone Federica/Fife Julie/Souhail Youssef/Griffa Michele/Irvine Sarah/Stampanoni Marco

In-situ micro- and nanoscale X-ray tomography with high temporal resolution for quantitative analysis of the microstructure dynamics. 2nd International Congress on 3D Materials Science, Annecy, FR, 06-29 to 07-02 🌿 ○

Myers, Rupert, L'Hopital Emilie, Lothenbach Barbara, Provis John

Effect of temperature and aluminium on calcium aluminosilicate hydrate chemistry under equilibrium conditions. C-A-S-H workshop, Dübendorf, 05-05 to 05-06 🌿

Rossen, John, Scrivener Karen, Lothenbach Barbara

Stability of C-A-S-H in blended cement and alite pastes. C-A-S-H workshop, Dübendorf, 05-05 to 05-06 🌿

Winnefeld, Frank

Influence of limestone on the hydration of calcium sulfoaluminat cements. 4th GEMS Workshop – Thermodynamic Modeling of Cementitious Systems, Empa Dübendorf, 05-07 to 05-08 🌿 ○

Winnefeld, Frank, Ben Haha Mohsen, Le Saout Gwenn, Costoya Mercedes, Ko Suz-Chung, Lothenbach Barbara

Influence of slag composition on the hydration of alkali-activated slag. Second International Conference on Advances in Chemically-activated Materials, Changsha, CN, 06-01 to 06-03 🌿 ○

Winnefeld, Frank, Götz-Neunhoeffler Friedlinde, Peter Ulrike, Stephan Dietmar, Zurbriggen Roger

15. GDCh-Tagung Bauchemie, Kassel, DE, 10-06 to 10-08 ■

Winnefeld, Frank, Lothenbach Barbara

Phase assemblages in hydrated calcium sulfoaluminat cements blended with mineral additions. 34th Cement & Concrete Science Conference, Sheffield, GB, 09-15 to 09-16 ◆

Winnefeld, Frank, Martin Lukas, Müller Christian, Lothenbach Barbara

Beneficial effect of limestone on the hydration of calcium sulfoaluminat cement. 15. GDCh-Tagung Bauchemie, Kassel, DE, 10-06 to 10-08 🌿

Wyrzykowski, Mateusz, Gawin Dariusz, Lura Pietro

Modelling shrinkage and thermal deformations in HPC at early age (keynote presentation). RILEM International Symposium on Concrete Modelling CONMOD 2014, Beijing, CN, 10-11 to 10-14 🌿

Wyrzykowski, Mateusz, Lura Pietro

Reduction of autogenous shrinkage in OPC and BFSC pastes with internal curing. XIII DBMC Conference, São Paulo, BR, 09-02 to 09-05 🌿

Wyrzykowski, Mateusz, Lura Pietro

Effect of self-desiccation and internal curing with superabsorbent polymers on the thermal expansion coefficient of HPC. International RILEM Conference on Application of Super-Absorbent Polymers and other New Admixtures in Concrete Construction, Dresden, DE, 09-14 to 09-17 🌿

Affolter, Christian,

Limitations of analytical strength verifications with local effect and nonlinearities: A case study on a failed high rack rail. ICEFA-VI, Lisbon, PT, 07-07 🌿

Aiyangar, Ameet K., Carey Robert E./Zheng Liying/ Harner Christopher D./Zhang Xudong

Sensitivity to Material Properties of a Tibiofemoral Finite Element Model Based on In Vivo Data. 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, US, 03-15 to 03-11 🌿

Aiyangar, Ameet K., Kontogiannis George/Anderst William J./Zhang Xudong

Lumbar Spine Intervertebral Centers of Rotation During Lifting Motion. 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, US, 03-15 to 03-18 🌿

Brunner, Andreas J., Ritschel Frankziska, Sause Markus G.R., Niemz Peter

Acoustic Emission (AE) Signal Classification from Tensile Tests on Plywood and Layered Wood. 31st Conference of the European Working Group on Acoustic Emission (EWGAE), Dresden, DE, 09-03 to 09-05 🌿

Brunner, Andreas J., Stelzer Steffen, Pinter Gerald

Comparison of Quasi-static and Cyclic Fatigue Delamination Resistance of Carbon Fiber Reinforced Polymer-Matrix Laminates under Different Mode Loading. ECF-20, Trondheim, NO, 07-03 🌿

Koller, Roland

Systematische Beurteilung technischer Schadenfälle. DGM-Seminar, Ermatingen, 03-04 🌿 ○

Koller, Roland

Systematische Beurteilung technischer Schadenfälle. DGM-Seminar, Ermatingen, 10-21 🌿 ○

Lura, Pietro, Toropovs N/Wyrzykowski M/Sahmenko G/Terrasi G.P.

Use of superabsorbent polymers for reducing fire spalling of high performance concrete. RILEM Conference Application of Superabsorbent Polymers and Other New Admixtures in Concrete Construction, Dresden, DE, 09-14 to 09-17 🌿

Maluk, Cristian, Terrasi Giovanni P./ Bisby Luke A./Stutz Alex/Hugi Erich

Experimental fire behaviour of precast CFRP pretensioned HPSCC SLABS. 7th International Conference on FRP Composites in Civil Engineering (CICE 2014), Vancouver, CA, 08-20 to 08-22 🌿

Meier, Urs, Terrasi Giovanni P./ Gao Jing

Use of the time-temperature superposition principle for the prediction of FRP creep data. 7th International Conference on FRP Composites in Civil Engineering (CICE 2014), Vancouver, 08-20 to 08-22 🍄

Meier, Urs, Terrasi Giovanni P./Gao Jing

Reinforced concrete and carbon fiber reinforced polymers (CFRPS). Reinforcement and reinforcing systems. Fiber-reinforced concrete and ferrocements. Durability. Moscow, RU, 05-12 to 05-14 🍄

Michel, Silvain

Sensing with Dielectric Elastomer devices. EuroEAP Conference 2014, Linköping, SE, 06-10 🍄

Piskoty, Gabor

Curious fatigue failure of a crane-hanger. ICEFA-IV, Lisbon, PT, 07-09 🍄

Senteler, Marco, Weisse Bernhard/Rothenfluh Dominique/Snedeker Jess

Higher Adjacent Segment Shear Forces after Simulated Lumbar Fusions with Reduced Lordosis. 60th Annual Meeting Of the Orthopaedic Research Society, New Orleans, US, 03-15 to 03-18 🍄

Stelzer, Steffen, Jones Rhys, Brunner Andreas J.

Fatigue of Polymer Composites: Characterization, Analysis and Interpretation of Fatigue Crack Growth. ICAF 2014, Patras, GR, 07-15 🍄 ○

Terrasi, Giovanni P., Maluk Cristian/Bisby Luke A.

Thermo-mechanical compatibility of CFRP versus steel reinforcement for concrete at high temperature. 7th International Conference on FRP Composites in Civil Engineering (CICE 2014), Vancouver, CA, 08-20 to 08-22 🍄

Terrasi, Giovanni P., Meier Urs

Long term bending creep behaviour of thin-walled CFRP pretensioned high strength spun concrete poles under sustained load. 7th International Conference on FRP Composites in Civil Engineering (CICE 2014), Vancouver, CA, 08-20 to 08-22 🍄

Toumpanaki, Eleni, Lees Janet M./Terrasi Giovanni P.

Measurement of the sand coating layer in CFRP tendons through image processing. 7th International Conference on FRP Composites in Civil Engineering (CICE 2014), Vancouver, CA, 08-20 to 08-22 🍄

Vergeynst, Lidewei, Brunner Andreas J./Sause Markus G.R./Ritschel Franziska/Niemz Peter/Steppe Kathy

Finite element modelling used to support wood failure identification based on acoustic emission signals. COST Timber Bridge Conference – CTBC 2014, Biel, 09-25 to 09-26 🍄

Weisse, Bernhard

Entrapped biological residuals as cause of ceramic femoral head in vivo failures? 10th annual Meeting of the Swiss Society for Biomaterials and Regenerative Medicine, Basel, 05-08 🍄

Bergamini, Andrea, Tommaso Delpero, Paolo Ermanni

Concurrent Design of Adaptively Damped Structures. Icast, International Conference on Adaptive Structures and Technologies, TU Delft, NL, 11-13 🍄

Bergamini, Andrea, Wolfram Raither,Luigi di Lillo, Luca de Simoni, Paolo Ermanni

Adaptive-Twist Airfoil Based on Electrostatic Stiffness Variation. SCITE 2014, National Harbor, US, 11-13 to 11-05 🍄

Bergamini, Andrea, Wolfram Raither,Luigi di Lillo, Luca de Simoni, Paolo Ermanni

Der Blech der nicht Scheppert. Herbsttagung der Schweizerischen Gesellschaft für Akustik, Winterthur, 11-06 to 11-12 🍄

Frigerio, Marco, Holdsworth Stuart, Mazza Edoardo

E-AlMgSi wire and full-scale conductor testing for improving electricity Transmission. Third ECCC conference on Creep and Fracture, Rome, IT, 11-06 to 11-13 🍄

Holdsworth, Stuart

High-R fatigue crack growth thresholds for power plant steels at high temperatures. ESIS workshop on 'The fatigue crack propagation threshold as a design criterion', Poitiers, FR, 10-30 🍄

Holdsworth, Stuart

Benchmark testing for verifying the effectiveness of new materials, component/features and life/condition assessment methods in Service. VDI Conference on Alloys in Power Plants, Berlin, DE, 11-04 to 10-06 🍄 ○

Holdsworth, Stuart

HTMTC/IOM3 Creep-Fatigue Crack Development Symposium, Empa, Dübendorf, 11-12 ○

Holdsworth, Stuart

Recent experience with the LICON methodology. EPRI specialist workshop on Creep-Fatigue Interaction, Empa, Dübendorf, 11-12 to 11-13 🍄 ○

Holdsworth, Stuart

Creep-fatigue interaction in steam power plant materials. Conference on Materials for Advanced Power Engineering, Liège, BE, 11-13 🍄 ○

Hosseini, Ehsan, Holdsworth Stuart, Kühn Ingo, Mazza Edoardo

Modelling the heat-to-heat variability in cyclic deformation behaviour. HTMTC/IOM3 Creep-Fatigue Crack Development Symposium, Empa, Dübendorf, 11-13 🍄

Hosseini, Ehsan, Holdsworth Stuart, Mazza Edoardo

Review of the LICON methodology for predicting long time creep behaviour. Third ECCC conference on Creep and Fracture, Rome, IT, 11-12 to 11-13 🍄 ○

Vacchieri, Erica, Costa Alessio, Parodi Simona, Holdsworth Stuart,

Microstructural damage evolution in two Ni based superalloys subjected to different mechanical loading conditions through quantitative EBSD measurements using CrossCourt software different mechanical. EuroSuperalloys 2014, Giens, FR, 11-13 to 11-05 🍄

Vacchieri, Erica, Costa Alessio, Poggio Eleonora, Holdsworth Stuart,

Creep-fatigue interactions in equiaxed and single-crystal Ni based alloys. EuroSuperalloys 2014, Giens, FR, 11-13 to 11-05 🍄

Vacchieri, Erica, Holdsworth Stuart, Costa Alessio, Poggio Eleonora, Riva Andrea, Villari Paulo

Creep-fatigue interaction of an equiaxed Ni based alloy: Cyclic/hold characterisation and verification. Third ECCC conference on Creep and Fracture, Rome, IT, 11-12 to 11-13 🍄

Vacchieri, Erica, Holdsworth Stuart, Costa Alessio, Poggio Eleonora, Riva Andrea, Villari Paulo

Creep-fatigue interaction of two Ni-based superalloys applied on gas-turbine components in service-like conditions. HTMTC/IOM3 Creep-Fatigue Crack Development Symposium, Empa, Dübendorf, 11-13 to 11-05 🍄

Vacchieri, Erica, Holdsworth Stuart, Poggio Eleonora, Villari Paulo

Small punch testing technique for creep residual life evaluation on two cast Ni based superalloys. Third ECCC conference on Creep and Fracture, Rome, IT, 11-13 to 11-06 🍄

Yan, Wentao, Holdsworth Stuart, Mazza Edoardo

Creep-fatigue crack development from short crack Starters. HTMTC/IOM3 Creep-Fatigue Crack Development Symposium, Empa, Dübendorf, 11-12 🍄

Arraigada, Martin

Validierungstests und Performance von Strassenbelägen. Baustoffqualität und Prüfung für Asphaltstrassen, Empa Dübendorf, 10-22 to 10-24 🍄

dos Santos, Salomé, Poulikakos Lily D./N. Partl Manfred

Nano/Micro-Structures on Bituminous Surfaces due to Molecular Self-Assembly. 2014 Materials Research Society Spring Meeting, San Francisco, California, USA, US, 04-21 to 04-25 🍄

Hailesilassie, Biruk, Schuetz Philipp, Jerjen Iwan, Bieder Andrea, Hugener Martin, Partl Manfred

Evolution of Bubble Size Distribution during Foam Bitumen Formation and Decay. 12th ISAP Conference on Asphalt Pavements, Raleigh, NC, US, 06-01 to 06-05 🍄 ○

Hean, Sivotha

Laboreigenschaften von Fahrbahnübergängen mit Polymerbitumen/Hochleistungspolymer im Vergleich. Fahrbahnübergänge aus Asphalt – Vergangenheit oder Zukunft?, Zürich, technopark, 03-24 🍄 ○

Hugener, Martin

Normierung in der Schweiz – Neuste Entwicklungen. Eurobitumen – Bitumen day 2014, Bern, 03-26 🍄 ○

Hugener, Martin

Umweltfreundlicher und nachhaltiger Strassenoberbau, VSS Fachtagung in Kooperation mit der Empa, Olten, 04-08 ■

Hugener, Martin

Langlebige Asphaltstraßen – neue Trends in der Schweiz. Probleme der Straßenbeläge im Alpen Raum, Bozen, IT, 10-09 🍄 ○

Hugener, Martin, Poulikakos Lily, Seeberger Max

Recycling von Ausbauasphalt in Heissmischgut. Umweltfreundlicher und nachhaltiger Strassenoberbau, VSS Fachtagung in Kooperation mit der Empa, Olten, 04-08 🍄 ○

Partl, Manfred

Forderungen und Erwartungen an Funktion und Materialien von "fugenlosen" Fahrbahnübergängen. Fahrbahnübergänge aus Asphalt- Vergangenheit oder Zukunft?, Zürich technopark, 03-24 🍄 ○

Partl, Manfred

Maintenance and Rehabilitation II. 12th ISAP Conference on Asphalt Pavements, Raleigh, NC, US, 06-01 to 06-05

Partl, Manfred, Arraigada Martin, Treuholz Andreas

2013 News MLS10 Switzerland. Annual meeting TRB Committee AFD40 (2), Full-Scale Accelerated Pavement Testing, Washington DC, 01-14 🍄

Partl, Manfred, Fang Xing, Garcia Alvaro, Lura Pietro

Investigation on Hardening Mechanism and Cement Hydration of Cement Asphalt Emulsion Composites. 12th ISAP Conference on Asphalt Pavements, Raleigh, NC, US, 06-01 to 06-05 🍄 ○

Partl, Manfred, Garcia Alvaro, Bueno Moises, Norambuena-Contreras Jose, Liu Quantao

The Model for Induction-Healing Asphalt Concrete. 12th ISAP Conference on Asphalt Pavements, Raleigh, NC, US, 06-01 to 06-05 🍄 ○

Partl, Manfred, Naderi, Koroosh, Asgharzadeh, Seyed Mohammad, Tabatabaee, Nader

Evaluation of Aging Properties of Crumb Rubber and SBS-Modified Binders Using Double Logistic Master Curve Model. 93th TRB Annual Meeting, Washington DC, US, 01-12 to 01-16 🍄

Partl, Manfred, Tebaldi Gabriele

Asphalt Pavement and Environment. 12th ISAP Conference on Asphalt Pavements, Raleigh, NC, US, 06-01 to 06-05

Poulikakos, Lily, Lee, Jg, dos Santos, S, Partl, MN

MOISTURE SUSCEPTIBILITY OF RECYCLED ASPHALT CONCRETE: A MULTI-SCALE APPROA. Transportation Research Board TRB, Washington DC, US, 01-15 ◆ ○

Poulikakos, Lily, Meyer, Rayner

Reducing the environmental impact of road and rail vehicles – introduction. Ecovehicle Workshop: Cost effective solutions for noise reduction of road and rail transport, Empa, 06-17 ○

Poulikakos, Lily, Soltic, Patrik; Mayer, Rayner

Options for reducing gaseous emissions associated with road and rail transport, Empa, 10-14

Raab, Christiane

Bericht über ISAP Konferenz. Fachgruppe Trasse, ASTRA, Ittigen, 08-28 ♣ ○

Raab, Christiane, Partl Manfred

Utilization of Artificial Neural Network for the Analysis of Interlayer Shear Properties. ISAP 2014, Workshop on Shear Testing, Raleigh, NC, US, 06-01 ♣ ○

Raab, Christiane, Partl Manfred

UTILISATION OF ARTIFICIAL NEURAL NETWORK FOR THE ANALYSIS OF INTERLAYER SHEAR PROPERTIES. ISAP 2014, Workshop on Shear Testing, June 1st, 2014, Raleigh, North Carolina, US, 06-01 to 06-06 ♣ ○

Boberg, Maria, Feltrin Glauco/Martinoli Alcherio

Model and Control of a Flap System Mitigating Wing Impact on Structures. 2014 IEEE International Conference on Robotics & Automation (ICRA), Hong Kong Convention and Exhibition Center, Hong Kong, CN, 05-31 to 06-07 ♣

Correia, Luis, Teixeira Tiago/Sena-Cruz José/Michels Julien

Flexural strengthening of RC slabs with prestressed CFRP strips using different anchorage system. CICE 2014, the 7th International Conference on FRP Composites in Civil Engineering, Vancouver, CA, 08-20 to 08-22 ♣

Czaderski, Christoph

Industry Seminar "Present and Future of FRP in Construction" University of Kaiserslautern, Kaiserslautern, DE, 10-23 ■

Feltrin, Glauco, Steiger René/Weber Felix/Nerbano Stella

Experimentelle modale Analyse an einem mehrgeschossigen Holzbau. 17. Symposium: Bauwerksdynamik und Erschütterungsmessungen / Ziegler Consultants, Empa Akademie / Dübendorf, 06-13 ♣ ○

Fernandez-Cabo, Jose L., Widmann Robert/Fernandez-Cabo Miguel C.

Timber Trusses: State of Art and Challenges. COST Timber Bridge Conference CTBC COST Action FP1004, Biel, 09-25 to 09-26 ♣ ○

Gallego, Juan Manuel, Czaderski Christoph/Michels Julien

Influence of temperature on the bond of prestressed CFRP strips. Industry Seminar „Present and Future of FRP in Construction“ University of Kaiserslautern Co-organizer, Kaiserslautern, DE, 10-23 ◆

Ghafoori, Elyas, Motavalli Masoud/Nussbaumer Alain/Herwig Andrin/Prinz Gary/Fontana Mario/Zhao Xiao-Ling

Constant Life Diagrams to prevent fatigue crack initiation in metallic beams using CFRP plates. CICE 2014, 7th International Conference on FRP Composites in Civil Engineering, Vancouver, CA, 08-20 to 08-22 ♣

Jalsan, Khash-Erdene, Flouri Kallirroi/Feltrin Glauco

Energy Consumption Estimation for Wireless Sensor Networks Layout Optimization. 2014 7th International Conference on Ubi-Media Computing and Workshops, Ulaanbaatar, MN, 07-12 to 07-14 ♣

Jockwer, Robert

Structural behavior of self-tapping screws – Theory. COST Timber Bridge Conference CTBC 2014 Workshop FP 1101, Highly performing timber structures: Reliability, assessment, monitoring and strengthening Bern University of Applied Sciences Berner Fachh, Biel, 09-25 to 09-26 ♣

Jockwer, Robert

Selbstbohrende Schrauben als Verstärkung in querzugbeanspruchten Bereichen ausgeklinkter Träger. Internationales Holzbau-Forum, Garmisch-Partenkirchen, DE, 12-03 to 12-05 ♣

Jockwer, Robert, Steiger René/Frangi Andrea

Design model for inclined screws under varying load to grain angles, Paper 47-7-5. International Network on Timber Engineering Research (INTER) Meeting 1, Bath, GB, 09-01 to 09-04 ♣

Jockwer, Robert, Widmann Robert

Repair of cracks and delaminated gluelines by means of adhesive injection. COST Action FP1101 Meeting Working Group 2: Reinforcement of Timber Structures, Antalya, TR, 05-05 to 05-06 ♣

Martins, João, Fénart Marc-Antoine/Feltrin Glauco/Dumont André-Gilles/Beyer Katrin

Deriving a load model for braking forces on road bridges: Comparison between a deterministic and a probabilistic approach. Istanbul Bridge Conference, Istanbul, Turkey, 2014. Istanbul, TR, 08-11 to 08-13 ♣

Miah, Mohammed, Chatzi Eleni/Weber Felix

MR Damper based Vibration Mitigation using a Bouc-Wen Model and a Nonlinear Observer. 6th World Conference on Structural Control and Monitoring (6WSCM), Barcelona, ES, 07-15 to 07-17 ♣

Michels, Julien

Vorgespannte CFK-Klebebewehrung zur Bauwerksertüchtigung – Forschung und Entwicklung an der Empa. Bau und Wissen Befestigungen, Verbindungen und Verankerungen im Betonbau, Wildeg, 04-03 ♣ ○

Michels, Julien, Czaderski Christoph/Staskiewicz Michal/Motavalli Masoud/Kotynia Renata

Strengthening and large-scale static testing of two pretensioned concrete girders. CICE 2014, the 7th International Conference on FRP Composites in Civil Engineering, Vancouver, CA, 08-20 to 08-22 ♣

Motavalli, Masoud, Weber Felix/Steiger René

Forced vibration measurements on a one-family masonry house and 3-story residential light-frame timber building in Switzerland. ITU-ISTKA Project "Seismic Performance Assessment of Existing Building through Full-Scale Tests" International Workshop on Large-Scale and On-Site Structural Testing for Seismic Performance Assessment, Istanbul, TR, 10-20 🍄 ○

Motavalli, Masoud, Zhao Xiao-Ling

Fatigue Strengthening of Metallic Structures in Civil Engineering Using Fibre Reinforced Polymers. FATIGUE 2014, 11th international Fatigue Congress, Hawthorn, AU, 03-02 to 03-07 🍄

Shahverdi, Moslem, Sevcik Martin/Vassilopoulos Anastasios P./Hutar Pavel

Modelling of a quasi-static mixed-mode bending test of adhesively bonded composite joint. 7th International Conference of Fracture of Polymers, Composites and Adhesives, ESIS TC4, Les Diablerets, 09-14 to 09-18 🍄

Shahverdi, Moslem, Vassilopoulos Anastasios P./Sarfaraz Roohollah/Keller Thomas

Progressive damage modeling of adhesively-bonded pultruded GFRP joints under fatigue loading. 7th International Conference of Fracture of Polymers, Composites and Adhesives, ESIS TC4, Les Diablerets, 09-14 to 09-18 🍄

Steiger, René

Rüttelversuche an einem 3-geschossigen Mehrfamilienhaus in Holzrahmenbauweise Erdbebensicherheit und Brandschutz von Holztragwerken. Holzbau Forschung und Praxis, Kassel, DE, 03-11 to 03-12 🍄 ○

Steiger, René

Maintenance and modification of existing structures. COST Timber Bridge Conference CTBC 2014 Workshop FP 1101, Highly performing timber structures: Reliability, assessment, monitoring and strengthening Bern University of Applied Sciences BFH, Biel, 09-25 to 09-26 🍄

Steiger, René

Beurteilung der Qualität von Klebfugen mittels Blockscher- und Delaminierungsversuchen. Holzverbindungen mit Klebstoffen für die Bauanwendung 46. Fortbildungskurs S-WIN Swiss Wood Innovation Network, Weinfelden, 10-21 to 10-22 🍄 ○

Steiger, René, Kobel Peter/Frangi Andrea/Steiger René

Dowel-type connections in LVL made of Beech wood, Paper 47-7-2. International Network on Timber Engineering Research (INTER) Meeting 1, Bath, United Kingdom, Bath, GB, 09-01 to 04-04 🍄 ○

Widmann, Robert

Innovatives Brückendesign durch Verbund von Holz und CFK. Forum Holzbau / 5. HolzBauSpezial, Bad Wörishofen, DE, 04-03 to 04-04 🍄 ○

Widmann, Robert

Strengthening with wood and wood based panels. COST Timber Bridge Conference CTBC 2014 Workshop FP 1101, Highly performing timber structures: Reliability, assessment, monitoring and strengthening Bern University of Applied Sciences BFH, Biel, 09-25 to 09-26 🍄 ○

Widmann, Robert

Timber bridges – the Swiss contribution (Key note without paper / Welcome). COST Timber Bridge Conference CTBC 2014 FP1004, Biel, 09-25 to 09-26 🍄 ○

Widmann, Robert

COST Timber Bridge Conference – CTBC 2014, Biel, 09-25 to 09-26 ■ ○

Widmann, Robert

Sanierung und Verstärkung von Brettschichtholz. Holzverbindungen mit Klebstoffen für die Bauanwendung 46. Fortbildungskurs S-WIN Swiss Wood Innovation Network, Weinfelden, 10-21 to 10-22 🍄 ○

Wu, C., Zhao Xiao-Ling/Motavalli Masoud

Fatigue design of CFRP strengthened welded steel connections. IABMAS 2014, 7th International Conference in Bridge Maintenance, Safety, Management and Life Extension, Shanghai, CN, 07-07 to 07-11 🍄 ○

Yu, Qian-Qian, Zhao Xiao-Ling/Chen Tao/Gu Xiang-Lin/Xiao Zhi-Gang/Motavalli Masoud

Boundary element analysis of CFRP strengthening steel plate with different degrees of damage. CICE 2014, the 7th International Conference on FRP Composites in Civil Engineering, Vancouver, CA, 08-20 to 08-22 🍄

Zhao, Xiao-Ling, Motavalli Masoud

Fatigue Strengthening of Metallic Structures in Civil Engineering using Fibre Reinforced Polymers. 11th International Fatigue Congress, Melbourne, AU, 03-02 to 03-07 🍄 ○

Materials meet Life**Krug, Harald**

Faserparadigma und CNTs: die kontroverse Diskussion zum Thema Nanotoxikologie! Inno-CNT Jahreskongress, Karlsruhe, DE, 02-17 to 02-19 🍄 ○

Krug, Harald

Smart Textiles and Polymers for Daily Use: Future Applications and Safety Aspects. NSTDA Conference, Bangkok, TH, 03-31 to 04-02 🍄 ○

Krug, Harald

How to Publish Good Papers in Nanotoxicology. 7th Int. Conf. on Nanotoxicology, Antalya, TR, 04-23 to 04-26 🍄 ○

Krug, Harald

Nanotechnology versus Nanotoxicology: Controversial Aspects of Nanotechnological Applications. 38th International Symposium on Environmental Analytical Chemistry, Lausanne, 06-17 to 06-20 🍄 ○

■ Organisation

◆ Poster

🍄 Lecture

○ invited

Krug, Harald

Nanosafety Research – are We on the Right Track? Considerations on the Basis of a Comprehensive Literature Study. 1st International Workshop of National Center for NanoSafety Metrology, Daejeon, KR, 07-01 🍀 ○

Krug, Harald

Nanotechnology versus Nanotoxicology: the Technology of the 21st Century needs a Toxicology of the 21st Century. Nano Korea 2014, Seoul, KR, 07-02 to 07-04 🍀 ○

Krug, Harald

Safe handling of nanomaterials: what can we learn from the literature? NanoCity 2014, Utrecht, NL, 10-27 to 10-28 🍀 ○

Krug, Harald

Nanosafety Research – are We on the Right Track? NanoThailand 2014, Bangkok, TH, 11-25 to 11-28 🍀 ○

Amberg, Martin, Hegemann D., Heuberger M.,...

Atome – Raster-Tunnel- und Raster-Kraftmikroskopie. 18. Herbsttagung, Faszination Mikrokosmos, Naturmuseum St. Gallen, 11-15 🍀 ○

Amberg, Martin, Patrick Rupper and Hegemann Dirk

Protective Titanium Adlayer on Silver Surfaces Using Magnetron Sputtering. 14th International Conference on Plasma Surface Engineering, Garmisch-Partenkirchen, DE, 09-15 to 09-19 ◆

Amberg, Martin, R. Storchenegger, B. Hanselmann, M. Weder and D. Hegemann

New possibilities for medical textiles: Continuous sputter deposition on fibers. ICCG, Int. Conference on Coatings on Glass and Plastics, Dresden, DE, 06-23 to 06-27 🍀

Blanchard, Noémi, Hanselmann Barbara, Heuberger Manfred, Hegemann Dirk

Hydration of Hydrophobic HMDSO Plasma Polymers. 14th International Conference on Plasma Surface Engineering, Garmisch-Partenkirchen, DE, 09-15 to 09-19 ◆

Blanchard, Noémi, Hegemann Dirk, Heuberger Manfred

Trapping of amphiphilic molecules on vertical chemical gradients. 20th International Symposium on Surfactants in Solution, Coimbra, PT, 06-22 to 06-27 ◆

Blanchard, Noémi, Hegemann Dirk/Heuberger Manfred

Hydration of HMDSO plasma polymer films. Empa PhD Student's Symposium 2014, St. Gallen, 10-21 🍀

Drabik, Martin

Deposition of C:H:O Plasma Polymer and Nanocomposite Coatings for Industrial Applications. PlasmaTE 2014, Kayseri, TR, 04-28 to 04-30 🍀

Drabik, Martin

Ag-C:H:O nanocomposite films for sensor applications. 2nd German-Czech Workshop on Nanoparticles, Prague, CZ, 05-23 to 05-24 🍀 ○

Gaan, Sabyasachi

Flame Retardant Polyurethanes Based on Novel Phosphoramidate Additives. 11th International Symposium on Fire Safety Science Christchurch, NZ, Christchurch, NZ, 02-10 to 02-14 🍀

Gaan, Sabyasachi

Recent Developments in N and P Based Flame Retardants. Fire Retardant Technologies 2014 (FRT14) University of Central Lancashire, Preston, UK, Preston, GB, 04-14 to 04-17 🍀 ○

Gaan, Sabyasachi

Development in New Flame Retardant Chemistry and its Application. Cost MP1105, Empa Workshop, Dubendorf, 05-08 ■ ○

Gaan, Sabyasachi

New DOPO and other Phosphorus Chemistries and FR Applications. 25th Annual Conference: Recent Advances in Flame Retardancy of Polymeric Materials, Stamford, CT USA, US, 05-19 to 05-21 🍀 ○

Gaan, Sabyasachi

Development in Flame Retardants : Empa Perspective. SCIEx Exchange Visit, Iasi, RO, 06-17 🍀 ○

Gaan, Sabyasachi

Broadening the DOPO Chemistry: Versatile Flame Retardant Applications. Fire Resistance in Plastics 2014, Cologne, DE, 12-10 to 12-11 🍀 ○

Gaan, Sabyasachi, Stelzig Timea

Development in Flame Retardants for Thermoplastic Fibers. 53rd Dornbirn Man-made Fibers Congress, Dornbirn, AT, 09-10 to 09-12 🍀 ○

Hegemann, Dirk

Functional plasma polymer layers enabling biomedical applications. 9th EU-Japan Joint Symposium on Plasma Processing (JSPP2014), Bohinjka Bistrica, SI, 01-19 to 01-23 🍀 ○

Hegemann, Dirk

Controlled release of Ag ions from plasma-deposited ag nanocomposite films. 2nd German-Czech Workshop on Nanoparticles, Prague, CZ, 05-23 to 05-24 🍀 ○

Hegemann, Dirk

Controlling the nanostructure and stability of a-C:H:N plasma polymers. E-MRS Spring Meeting, Lille, FR, 05-26 to 05-30 🍀 ○

Hegemann, Dirk

Potential of atmospheric pressure plasmas for textile applications. Man-Made Fiber Congress, Dornbirn, AT, 09-10 to 09-12 🍀 ○

Hegemann, Dirk	Functional plasma polymers – stability, degradation and dissolution. Plasma Surface Engineering (PSE 2014), Garmisch-Partenkirchen, DE, 09-15 to 09-19 🍄 ○
Hegemann, Dirk	Nanostrukturierte, funktionale Oberflächen durch Plasmabeschichtungen. 2. Int. Bodensee Kooperationsforum, Bregenz, AT, 10-23 🍄 ○
Hegemann, Dirk, Amberg Martin/Hanselmann Barbara/Blanchard Noemi/Drabik Martin/Heuberger Manfred	Advanced Plasma Treatments for Textile Applications. 21. ak-adp – Innovative Plasmaanwendungen zur Haftungsverbesserung, Fulda, DE, 11-12 to 11-13 ◆
Hegemann, Dirk, Amberg Martin/Hanselmann Barbara/Blanchard Noemi/Drabik Martin/Heuberger Manfred	Plasma Coatings for Textile Applications. PSE 2014, Garmisch-Partenkirchen, DE, 09-15 to 09-19 ◆
Hegemann, Dirk, Dransfeld Clemens	Naturfasern in Kompositmaterialien. Innovation Day 2014, Dübendorf, 08-21 🍄 ○
Hegemann, Dirk, Rupper Patrick/Amberg Martin	Passivation of Silver-Coated Surfaces Using Magnetron Sputtering. Gordon Research Conference – Plasma Processing Science, Smithfield, US, 07-27 to 08-01 ◆
Heuberger, Manfred	Polymer Processing and Advanced Fibers Research at the Swiss Federal Institute of Materials Science and Technology (Empa). Seminar, Tokyo University, JP, 02-20 🍄
Heuberger, Manfred, Schurtenberger Erich	about long-range surface forces in confined supercritical CO ₂ . Sendai Surface Force Seminar, Tohoku University, Sendai, JP, 02-21 to 02-22 🍄 ○
Heuberger, Manfred, Schurtenberger Erich	Confined density fluctuations and surface forces in supercritical CO ₂ . International Workshop in Colloidal and interfacial science, Technology, Engineering & mathematics (CAI-STEM), Cancun, MX, 08-23 to 08-29 🍄 ○
Hufenus, Rudolf	Session Fibers and Films. 30th International Conference of the Polymer Processing Society, Cleveland OH, US, 06-08 to 06-12 ○
Hufenus, Rudolf	Biodegradable fibers from renewable resources. Seminar @ West Pomeranian University of Technology, Stettin, PL, 06-24 🍄 ○
Hufenus, Rudolf	Effect of processing additives on the melt-spinnability of poly(3-hydroxybutyrate). International Workshop on Biobased Polymers and Fibers, Kyoto, JP, 10-04 🍄 ○
Hufenus, Rudolf	Multicomponent melt-spun fibers for innovative technical textiles. Seminar @ Tokyo Institute of Technology, Tokyo, JP, 10-06 🍄 ○
Hufenus, Rudolf	Multicomponent melt-spun fibers for innovative technical textiles. Seminar @ Shinshu University, Ueda, JP, 10-07 🍄 ○
Hufenus, Rudolf, Fortunato Giuseppino, Gottardo Laura, Reifler Felix A.	Keynote: Multicomponent synthetic fibers for innovative textile applications. International Symposium on Fiber Science and Technology (ISF2014), Tokyo, JP, 09-29 to 10-01 🍄 ○
Hufenus, Rudolf, Gottardo Laura, Heuberger Manfred, Leal Andrés	Design and development of liquid filled polymeric fibers with flexure rate viscoelastic properties. International Symposium on Neo Fiber Technology, Kyoto, JP, 10-02 to 10-03 🍄 ○
Hufenus, Rudolf, Reifler Felix A., Haenggi Urs J.	On the Way to High-Strength Poly(3-hydroxybutyrate) (PHB) Fibers. The Fiber Society Spring 2014 Technical Conference, Liberec, CZ, 05-21 to 05-23 🍄
Hufenus, Rudolf, Reifler Felix A., Haenggi Urs J.	Keynote: Biodegradable fibers from renewable resources – melt-spinning of poly(3-hydroxybutyrate). 30th International Conference of the Polymer Processing Society, Cleveland OH, US, 06-08 to 06-12 🍄 ○
Hufenus, Rudolf, Reifler Felix A., Haenggi Urs J.	On the way to high-strength poly(3-hydroxybutyrate) (PHB) fibers. International Symposium on Fiber Science and Technology (ISF2014), Tokyo, JP, 09-29 to 10-01 🍄 ○
Leal, Andrés	Advanced Fibers for Composite Applications. Meeting of the Carbon Composites Schweiz, Working Group RTM Next Steps, ETH Zürich, 03-19 🍄 ○
Leal, Andrés, Mohanty Gaurav, Reifler Felix, Michler Johann, Hufenus Rudolf	Relationship between Compressive Properties and Bending Recovery in Melt-Spun Filaments. The Fiber Society Spring 2014 Technical Conference, Liberec, CZ, 05-21 to 05-23 🍄
Leal, Andrés, Mohanty Gaurav, Reifler Felix, Michler Johann, Hufenus Rudolf	Properties and potential applications of melt-spun amorphous filaments. 53. Chemiefasertagung Dornbirn, Dornbirn, AT, 09-10 to 09-12 🍄 ○

Martin, Amberg, Storchenegger Raphael, Hanselmann Barbara, Weder Markus and Hegemann Dirk
New possibilities for medical textiles: Continuous sputter deposition on fibers. ICCG 10 International Conference on Coatings on Glass and Plastics, Dresden, DE, 06-22 to 06-26 🍄

Rupper, Patrick

PHI European User Meeting, Ismaning, Munich, DE, 05-14 to 05-15 🍄

Rupper, Patrick, Gaan Sabyasachi

Polymer and Flame Retardant Analytics. 12. Empa Textiltagung, Empa Dübendorf, 05-08 ♦

Schöller, Katrin, Baumann Lukas, Vetushka Aliaksei, Heuberger Manfred, Constable Edwin C., Scherer Lukas J.,

From terpyridine- and spiropyran-functionalized monomers to dually responsive co-continuous polymer networks. ACS Meeting, Dallas, US, 03-16 to 03-20 🍄 ○

Stelzig, Timea, Gaan Sabyasachi

Phosphorus Flame Retardants for Thermoplastics: from Synthesis to Applications. ICPC 2014, Dublin, IE, 06-28 to 07-02 🍄

Stelzig, Timea, Hufenus Rudolf

Neue flammhemmende Zusatzstoffe für thermoplastische Fasern. Neue Trends in der Flammforschung, Dübendorf, 05-08 🍄 ○

Boesel, Luciano

.IPI Seminar, Schaffhausen, 02-26 🍄

Chan, Samantha, Stiefel Philipp/Altenried Stefanie/Thöny-Meyer Linda/Chan Samantha/Maniura Katharina/Ren Qun

Assessment of biofilm for anti-biofilm product development. Workshop on Antimicrobial Technologies, Porto, PT, 10-28 to 10-31 ♦

Di Lena, Fabio

Macromolecular Engineering: From concept to applications. SusPol Summer School, San Sebastian, ES, 06-24 to 06-26 🍄 ○

Faccio, Greta

CCMX Winter School, Kandersteg, 02-03 to 02-07 🍄

Faccio, Greta

Immobilization of photosynthetic proteins on iron oxide photoanodes for enhanced solar hydrogen production. Euro Bio-inspired Materials 2014, Potsdam, DE, 03-18 to 03-21 ♦

Faccio, Greta, Kämpf M.M./Piatti C./Thöny-Meyer L./Richter M.

Tyrosinase-catalysed immobilisation of the fluorescent protein C-Phycocyanin. 72nd Annual Assembly of the Swiss Society for Microbiology, Freiburg, 06-19 to 06-20 🍄

Ghazaryan, Gagik

PLA grafting with unsaturated cyclic carbonates via reactive extrusion. REFINE 4th meeting, Eindhoven, NL, 05-19 to 05-23 🍄

Ghazaryan, Gagik

Grafting of unsaturated cyclic carbonates onto PLA via reactive extrusion. 2nd International Conference on Bio-based Polymers and Composites, Visegrad, HU, 09-24 to 09-29 🍄

Gutt, Beatrice

Assessment of biofilms on medical devices, textiles and coatings. 5th Thesinge biofilm meeting, Thesinge, NL, 09-07 to 09-10 🍄

Gutt, Beatrice, Astasov-Frauenhoffer Monika/Hauser-Gerspach Irmgard/Stübinger Stefan/Waltimo Tuomas/Thöny-Meyer Linda/Ren Qun

Smart bioactive surfaces – Development of beneficial oral biofilms to hinder early dental implant failure. CCMX – Events and Courses in Materials Science not to be missed, Bern, 04-28 ♦

Gutt, Beatrice, Neff Laura/Thöny-Meyer Linda/Ren Qun

An alternative path to fluorescently quantify *S. aureus* and *P. aeruginosa* biofilm development. SGM 2014, Freiburg, 06-19 to 06-20 ♦

Gutt, Beatrice, Neff Laura/Thöny-Meyer Linda/Ren Qun

Quantification of adherent bacteria using different genome integrated fluorescence markers. Biofilms6, Wien, AT, 05-10 to 05-13 ♦

Ihssen, Julian

A leaching-resistant antimicrobial surface generated by enzymatic functionalization of the natural material wood. Gordon Research Conference "Biointerface Science", Il Ciocco, IT, 06-16 to 06-21 ♦

Maniura, Katharina

Hyperelastic hybrid membrane for biomimetic blood propulsion: Possible contributions by Empa. ETH Zürich, Project Meeting, Zürich, 08-21 🍄 ○

Maniura, Katharina

Functional biocompatibility: understanding the interactions between cells and materials and its potential for design concepts. Biomaterialien 2014, Julius Spital, Würzburg, DE, 11-20 🍄 ○

Maniura, Katharina, Schipanski Angela/Valet Sebastian/Maniura Katharina/Weisse Bernhard/Strehler Claudia/Berghänel Franz

Development of a ceramic resurfacing hip joint implant with osseointegrative surface structure. KT1 MedTech Event, Bern, 09-02 ♦

Ren, Qun Poly(4-hydroxybutyrate) (P4HB): from biosynthesis to applications. BioTech 2014, Prag, CZ, 06-11 to 06-14 🍄 ○
Ren, Qun Biofilm activities at Empa. Biofilm Workshop, St. Gallen, 11-05 🍄
Ren, Qun, Heger Thomas Development of novel non-biocidal textile coatings reducing bacterial adhesion. NTN Innovative Surface: New Approaches to Germ-Inhibiting Surfaces – Workshop 1, Bern, 06-30 🍄
Ren, Qun, Schmidt-Emrich Sabrina/Amberg Caroline/Katzenmeier Heinz/Thöny-Meyer Linda Screening of non-biocidal coatings: establishment of a high-throughput method for testing bacterial adhesion on textiles. Bilfilms6, Wien, AT, 05-10 to 05-13 ♦
Ren, Qun, Schmidt-Emrich Sabrina/Amberg Caroline/Katzenmeier Heinz/Thöny-Meyer Linda Screening of non-biocidal coatings: establishment of a high-throughput method for testing bacterial adhesion on textiles. SGM 2014, Freiburg, 06-19 to 06-20 🍄 ○
Ren, Qun, Stiefel Philipp, Altenried Stefanie, Thöny-Meyer Linda, Ren Qun Quantitative assessment of biofilm for industrial anti-biofilm product development. Biofilm conference: The perfect slime, Essen, DE, 09-09 to 09-12 ♦
Richter, Michael FluSiTex – Project. Nano-Tera Annual Plenary Meeting, Lausanne, 05-05 🍄
Richter, Michael, Heck Tobias/Phu-Huy Pham/Yerlikaya Alpaslan/Thöny-Meyer Linda Sortase A catalyzed reactions pathways: A comparative study with six SrtA variants. Gordon Research Conference "Biocatalysis", Bryant University Smithfield, RI, US, 07-06 to 07-11 ♦
Richter, Michael, Nelson Brad/Scherer Lukas/Cattaneo Stefano/von Rechenberg Brigitte FluSiTex – Project. Nano-Tera Annual Plenary Meeting, Lausanne, 05-05 ♦
Richter, Michael Sortase catalyzed protein-crosslinking. 3rd 1 Day Symposium "Biocatalysis", St. Gallen, 01-20 🍄
Richter, Michael Materials modification by using enzymes – potential and challenges. Talk at the Leibniz Institute of Biointeractive Materials, Aachen, DE, 09-08 to 09-09 🍄 ○
Richter, Michael Materials modification by using enzymes – potential and challenges. Talk at the Institute of Chemistry at the TU Graz, Graz, AT, 10-22 to 10-23 🍄 ○
Richter, Michael, Siegrist Jutta/ Schlesier Julia/Gerhardt Stefan/Einsle Oliver/Richter Michael/Andexer Jennifer N. Structural and functional characterisation of an archaeal methionine adenosyltransferase. Biocat 2014, Hamburg, DE, 08-31 to 09-04 ♦
Rottmar, Markus, Boss A./Eberli D. Monitoring of in vivo fiber Formation of muscle precursor cells via magnetization Transfer (MT)-MRI. Termis, Washington D.C., US, 12-13 to 12-16 🍄
Schmidt-Emrich, Sabrina, Katzenmeier Heinz/Amberg Caroline/Stiefel Philipp/Thöny-Meyer Linda/Ren Qun Development of novel textile hygienic-function coatings, based on reduced bacterial adhesion. Swiss Biofilm Workshop, St. Gallen, 11-05 🍄 ○
Schmidt-Emrich, Sabrina, Katzenmeier Heinz/Amberg Caroline/Stiefel Philipp/Thöny-Meyer Linda/Ren Qun High-throughput screening in microplates to evaluate bacterial adhesion to textile coatings. Workshop on Antimicrobial Technologies, Porto, PT, 10-28 to 10-31 🍄
Stiefel, Philipp, Altenried Stefanie/Ren Qun Biofilm removal from and effective cleaning of medical devices by means of innovative enzymatic detergents. CTI Medtech Event, Bern, 09-02 ♦
Stiefel, Philipp, Altenried Stefanie/Ren Qun Formation and quantification of biofilm for industrial anti-biofilm product evaluation/development. SGM 2014, Freiburg, 06-19 to 06-21 ♦
Stiefel, Philipp, Altenried Stefanie/Thöny-Meyer Linda/Ren Qun Formation and quantification of biofilm for industrial anti-biofilm product evaluation/development. Biofilms6, Wien, AT, 05-11 to 05-13 ♦
Thöny-Meyer, Linda The many faces of microbial laccases. BioTech 2014, Prag, CZ, 06-11 to 06-14 🍄 ○
Thöny-Meyer, Linda The many faces of microbial laccases. BioTech 2014, Prag, CZ, 06-11 to 06-14 ○
Thöny-Meyer, Linda Member of Organizing Committee Annual Meeting of the Swiss Society for Microbiology, Fribourg, 06-18 to 06-19
Weishaupt, Ramon Antimicrobial nanocellulose coatings for food packaging. SATW Transferkolleg 2014, Biel, 05-22 to 05-23 🍄

Griffa, Michele

Recent developments in X-ray Imaging and analytics and what they can bring to the field of Nonlinear Elasticity of materials. XIX International Conference on Nonlinear Elasticity in Materials, Fréjus, FR, 06-22 to 06-28 🍄 ○

Griffa, Michele, Toropovs Nikolai, Igarashi Go, Münch Beat, Ulrich Timothy James, Payan Cédric, Scalerandi Marco, Leemann Andreas, Neuenschwander Jürg, Jerjen Iwan, Schuetz Philipp, Carmeliet Jan, Lura Pietro

Correlations between damage in concrete and its nonlinear elastic response. Complementing nonlinear ultrasound measurements with X-ray tomographic imaging. XIX International Conference on Nonlinear Elasticity in Materials, Fréjus, FR, 06-22 to 06-28 🍄

Griffa, Michele, Yang Fei /Kaufmann Rolf/Prade Friedrich/Jerjen Iwan/Di Bella Carmelo/Herzen Julia/Sarapata Adrian/Pfeiffer Franz/Lura Pietro

Phase and dark-field contrast X-ray imaging of porous building materials. International Workshop on Advances in X-ray Imaging, Trieste, IT, 12-11 to 12-12 ♦

Jerjen, Iwan

Drying of porous asphalt concrete investigated by X-ray computed tomography. WCRN, Grindelwald, 10-05 to 10-10 🍄

Liu, Yu, Yu Liu, Philipp Schuetz, Alexander Flisch, Urs Sennhauser

Exploring the limits of limited-angle computed tomography complemented with surface data. ECNDT, Prague, CZ, 10-04 to 10-08 🍄

Mokso, Rajmund, Marone Federica/Fife Julie/Souhail Youssef/Griffa Michele/Irvine Sarah/Stampanoni Marco

In-situ micro- and nanoscale X-ray tomography with high temporal resolution for quantitative analysis of the microstructure dynamics. 2nd International Congress on 3D Materials Science, Annecy, FR, 06-29 to 07-02 🍄 ○

Neels, Antonia, R. Kaufmann, A. Dommann

Non-destructive X-ray based Analytical Methods at Empa in Switzerland for Materials Research and Technology. Workshop additive Manufacturing 28/29.10., Amsterdam, NL, 10-28 to 10-29 ♦

Neels, Antonia, T. Bandi, A. Dommann

Advanced non-destructive X-ray Methods for Semiconductor Materials. E-MRS Fall Meeting, Warschau, PW, 09-15 to 10-19 🍄 ○

Neels, Antonia, T. Bandi, R. Kaufmann, J. Janczak-Rusch, L. Jeurgens, A. Dommann

Ex- and in-situ X-ray based analytical Studies on Solder Materials for Microsystems Packaging Applications. NMJ2014, Emmetten, 12-07 to 12-10 🍄

Rolf, Kaufmann, Flisch Alexander/Plamondon Mathieu/Reifler Felix/Neels Antonia/Hofmann Jürgen/Lüthi Thomas/Jerjen Iwan/Schütz Philipp/Hartmann Stefan/Stritt Carina/Yu Liu/Dommann Alex/Griffa Michele/Yang Fei

New directions in computed tomography. ECNDT, Prag, CZ, 10-06 to 10-10 ♦ ○

Stritt, Carina/Philipp Schuetz/Jürgen Hofmann/Alexander Flisch/Urs Sennhauser

Quantitative Assessment of Scattering Contributions in MeV-Industrial X-ray Computed Tomography. ECNDT, Prague, CZ, 10-04 to 10-08 🍄

Anderegg, Peter

Messtechnik und Monitoring. VDI-FA, Weimar, DE, 09-09 to 09-11 🍄

Andersson, Caroline

Battery Testing@Empa. Heraeus-Seminar, Bad Honnef, DE, 03-23 to 03-26 ♦ ○

Andersson, Caroline, Sennhauser Urs, Stiefel Michael, Held Marcel

Examination of ageing mechanisms and solid electrolyte interphase layer formation on graphite anodes in fast charged Li-ion batteries. E-MRS European Materials Research Society 2014 Spring Meeting, Lille, FR, 05-26 to 05-30 🍄

Butti, Pascal

Organisationskomitee. Empa PhD Students' Symposium 2014, St. Gallen, 10-21 ■ ○

Grossmann, Günter

Counterfeit Components. Europäisches Elektronik Kolleg, Colonia San Jordi Mallorca, ES, 03-12 to 03-14 🍄 ○

Grossmann, Günter, Nicoletti Giovanni

Lead Free BGAs Soldered With SnPb Solder. NMJ'2014 2nd International Conference on Nano-Joining and Micro-Joining, Emmetten, 12-07 to 11-10 🍄 ○

Hack, Erwin

none. Workshop on Validation, Munich, DE, 06-12

Hack, Erwin

VANESSA. WCCM Conference, Barcelona, ES, 07-23 to 07-25 🍄 ○

Jacob, Peter

LED-Ausfälle und ihre häufigsten Ursachen. LED-Forum 2014 Anwendung und Qualität Innenbeleuchtung-Strassenbeleuchtung, Kongresshaus Zürich, 01-16 🍄 ○

Jacob, Peter

Erste Resultate von Coronatests an Folienkondensatoren. QZ-Meeting, IMS Stuttgart, DE, 04-11 🍄 ○

Jacob, Peter

Was passiert bei elektrostatischen Direktentladungen aus Kunststoffen. VDE-ITG Tagung 2014, Grainau, DE, 05-27 to 05-28 🍄

Jacob, Peter

Fehlermechanismen bei LED Ausfällen. VDI Wissenforum, Düsseldorf, DE, 06-25 to 06-26 🍄 ○

Jacob, Peter

Elektrostatische Grundlagen mit experimenten und historischen Einlagen. ESD-Tagung der Fa. Warmbier anlässlich Eröffnung Schulungszentrum, Fa. Warmbier Hilzingen, DE, 07-08 to 07-09 🍄 ○

Jacob, Peter

Baugruppen ohne feste Masseanbindung und die Konsequenzen für eine ESD-gerechte Auslegung. Seminar "Ausfälle auf Baugruppenebene und deren Vermeidung", RoodMicrotec Stuttgart, DE, 10-16 🍄 ○

Jacob, Peter

The Variety of Electrostatic- Induced Discharges: Basics and Surprising Effects – Experimentally Demonstrated. EOS/ESD Symposium for Factory Issues in Germany Holiday Inn Munich – City Centre, Germany October 28 – 31, 2014, München, DE, 10-29 to 10-31 🍄

Jacob, Peter

EMC-ESD in de Praktijk. ESD-induced failure mechanisms in semiconductor devices, Amsterdam, NL, 11-04 🍄 ○

Jacob, Peter

Failure Anamnesis (be)for(e) Failure Analysis. ISTFA 2014, Houston, US, 11-08 to 11-15 🍄 ○

Jacob, Peter

Foil Capacitor Characterization and Failure Analysis with Special Respect to Noise Filter Applications. ISTFA 2014, Houston, US, 11-15 to 10-25 🍄 ○

Jacob, Peter

Corona Discharge in Film Capacitors for AC Applications. ECPE Workshop: Intelligent Reliability Testing, Nürnberg, DE, 12-02 to 12-03 🍄 ○

Jacob, Peter, Knecht Willy, Jerjen Iwan, Nicoletti Giovanni, Stiefel Michael, Schütz Philipp

Charakterisierung von Folienkondensatoren für den Einsatz in Entstörfiltern. VDE-ITG Tagung 2014, Grainau, DE, 05-27 to 05-28 🍄

Liu, Yu, Sennhauser Urs, Philipp Schuetz Philipp, Flisch Alexander,

Exploring the limits of limited-angle computed tomography complemented with surface data. ECNDT 11th European Conference on Non-Destructive Testing, Prag, CZ, 10-07 🍄

Neuenschwander, Jürg

Experte. Empa PhD Students' Symposium 2014, St. Gallen, 10-21 ■ ○

Neuenschwander, Jürg, Lüthi Thomas

NDT – Ultrasonic and X-Ray Diagnostics at Empa. Georg Fischer Piping Systems Innovation Day, Schaffhausen, 07-14 🍄 ○

Scheller, Christian

Nuclear Order in Quantum Wires. LT27 (27th International Conference on Low Temperature Physics), Buenos Aires, AR, 08-06 to 08-13 🍄 ○

Sennhauser, Urs, Shorubalko Ivan, La Mattina Fabio

He-Ion Microscopy. SSOM Workshop Swiss Society for Optics and Microscopy, ETHZ, 06-24 🍄 ○

Stritt, Carina, Sennhauser Urs, Schütz Philipp, Hofmann Jürgen, Flisch Alexander

Quantitative assessment of scattering contributions in MeV-industrial X-ray computed tomography. ECNDT 11th European Conference on Non-Destructive Testing, Prag, CZ, 10-07 🍄

Stritt, Carina, Sennhauser Urs, Schütz Philipp, Hofmann Jürgen, Flisch Alexander

Quantitative assessment of scattering contributions in MeV-industrial X-ray computed tomography. PhD Symposium, Empa St. Gallen, 10-21 ◆

Zolliker, Peter, Hack Erwin

Resolution Limits Of Terahertz Holography Using A QCL. IRMMW THz-Tucson 2014 39th Int. Conf. on Infrared, Millimeter, and THz Waves, Tucson Arizona, US, 09-14 to 09-19 🍄

Bruinink, Arie

The use of cell cultures in developing and improving implant materials. SIC Forum "Matériaux & Medecine", Fribourg, 05-14 🍄 ○

Bruinink, Arie

Evaluation of Biocompatibility Using In Vitro Methods: Interpretation and Limitations. 6th Symposium on Biodegradable Metals, Maratea, IT, 08-24 to 08-29 🍄 ○

Bruinink, Arie

Entwicklung eines Wundverbandes Von der Idee über die Finanzierung bis zur Implementation. 1. Gemeinsamer Kongress der Schweizerischen Gesellschaften für Wundbehandlung, Biel, 09-24 to 09-25 🍄 ○

Bürki-Thurnherr, Tina

Exploiting novel technologies to develop advanced placenta models for nanomaterial testing. Mini-Symposium "Nanoparticle interaction with the human placenta", Graz, AT, 10-29 🍄 ○

Bürki-Thurnherr, Tina, Manser, P./ Grafmüller, S./ Muoth, C./ Annaheim, H./ Jochum W./ Diener, P.-A./ von Mandach, U./ Wick, P.

Stop or go? Studying nanomaterial translocation and behaviour at the human placental barrier using ex vivo and in vitro model systems. 3D cell culture 2014 – advanced model systems, applications & enabling technologies, Freiburg, Deutschland, DE, 06-25 to 06-27 🍄

Civardi, Chiara, Schwarze, F./ Wick, P.

Nanocopper-based wood preservatives: effectiveness and environmental risk. NANOTOX 2014, 7th International nanotoxicology congres, Antalya, TR, 04-23 to 04-26 ◆

Formica, Florian, Maniura-Weber, K./Bühlmann-Popa, A.M./Zenobi-Wong, M.
A bioinspired nanofiber-hydrogel mimic of the cartilage extracellular matrix. 3rd international electrospinning conference, San Francisco, US, 08-04 to 08-07 🍄
Grafmüller, Stefanie, Bürki-Thurnherr, T./ Manser, P./ Diener, L./ Diener, P.-A./ Jochum, W./ Krug, H.F./ Wick, P./ von Mandach, U.
Transfer of Engineered Nanoparticles across the Human Placenta. Annual PhD Symposium of Graduate School for Cellular and Biomedical Sciences, Bern, 01-29 🍄
Grafmüller, Stefanie, Bürki-Thurnherr, T./ Manser, P./ Diener, L./ Diener, P.-A./ Jochum, W./ Krug, H.F./ Wick, P./ von Mandach, U.
Transfer of Engineered Nanoparticles across the Human Placenta. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ♦
Grafmüller, Stefanie, Bürki-Thurnherr, T./ Manser, P./ Diener, L./ Diener, P.-A./ Jochum, W./ Krug, H.F./ Wick, P./ von Mandach, U.
Nanoparticle transport across the human placenta. Annual Meeting gynécologie suisse (SGGG), Interlaken, 06-25 to 06-27 ♦
Grafmüller, Stefanie, Bürki-Thurnherr, T./ Manser, P./ Diener, L./ Diener, P.-A./ Jochum, W./ Krug, H.F./ Wick, P./ von Mandach, U.
Nanoparticle transport across the human placenta. Annual Meeting gynécologie suisse (SGGG), Interlaken, 06-25 to 06-27 🍄
Hirsch, Cordula
Comparison of the CFE assay with other in vitro cytotoxicity test(s). OECD-CFE interlaboratory comparison project final meeting, Ispra, IT, 05-19 to 05-20 🍄 ○
Hirsch, Cordula
A scientific approach to overcome nanomaterial interference with biological assays. How safe is safe enough? Translating Nanoscience to applications, St.Gallen, 10-09 🍄 ○
Hirsch, Cordula
How safe is safe enough? Translating Nanoscience to applications. How safe is safe enough? Translating Nanoscience to applications, St.Gallen, 10-09 ■
Hirsch, Cordula, Moreno-Villanueva M./ Wick, P./ Krug, H.F.
Genotoxicity of nanomaterials: Two assays detecting DNA strand breaks – a closer look on nanomaterial interference, objectivity and throughput. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ♦
Hirsch, Cordula, Moreno-Villanueva M./ Wick, P./ Krug, H.F.
Nanomaterial interference assessment: Comparison of two in vitro genotoxicity assays. CCMX Annual Meeting, Bern, 05-08 ♦
Hirsch, Cordula, Roesslein, M./ Wick, P./ Krug, H.F.
A comprehensive evaluation platform to assess nanoparticle toxicity in vitro. CLINAM, Basel, 06-23 to 06-25 ♦
Huber, Rebecca, Maniura-Weber, K./Spencer, N.D.
Protein and blood-interaction studies on nano-roughness gradients. 20th Swiss Conference on Biomaterials and Regenerative Medicine, Basel, 05-07 to 05-08 🍄
Huber, Rebecca, Maniura-Weber, K./Spencer, N.D.
Morphological Gradients for Protein-Adsorption and Blood-Interaction Studies. 26th European Conference on Biomaterials, Liverpool, GB, 08-31 to 09-03 ♦
Kaiser, Jean-Pierre, Roesslein, M./ Diener, L./ Wick, P.
Nanoparticles in paints, an in-vitro investigation. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ♦
Kopf, Brigitte, Schipanski, A./Berner, S./Maniura-Weber, K.
The interaction of blood components with titanium implant surfaces is decisive for osseointegration of bone implants. Meet the Expert Implant, Interlaken, 04-28 to 04-29 ♦
Kucki, Melanie
Biological impact of graphene nanomaterials: Introduction to nanosafety (PartI). Graphene Study 2014/ Winterschool, Obergurgl, AT, 02-02 to 02-07 🍄 ○
Kucki, Melanie
Biological impact of graphene nanomaterials: State of the art of graphene nanotoxicology (PartII). Graphene Study 2014/ Winterschool, Obergurgl, AT, 02-02 to 02-07 🍄 ○
Kucki, Melanie
Work in progress/ EU- Graphene Project. Graphene Flagship WP2 Meeting, Strassbourg, FR, 05-19 to 05-20 🍄
Kucki, Melanie, Diener, L./ Louw-Gaume, A.E./ Wick, P.
Interactions of graphene-based materials and human epithelial cells. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ♦
Kucki, Melanie, Durso, M./ Melucci, M./ Palermo, V./ Krug, H.F./ Wick, P.
Interactions of graphene-based materials with human epithelial cells representing most likely exposure routes. 8th International Conference on the Fundamental Science of Graphene and Applications of Graphene-Based Devices: Graphene Week Conference 2014, Göteborg, SE, 06-23 to 06-27 🍄
Louw Gaume, Anna Elizabeth, Fischer, A./ Wick, P./ Krug, H.
Evidence-based assessment of Genotoxicity and its underlying mechanisms. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ♦

Malheiro, Vera, Arie Bruinink/ Katharina Maniura

Wound microenvironment at implant interface: the influence of fibrin in macrophage polarization. First PSI-Empa symposium, PSI, Villigen, 11-11 ◆

Maniura, Katharina

Materials in contact with biological environments. CCMX Winterschool, Kandersteg, 02-02 to 02-07 ♣ ○

Maniura, Katharina

Zell-/ Protein-Material-Wechselwirkungen an Implantatoberflächen 1. Biokompatibilität von Implantaten 2. Bioaktive Implantatoberflächen 3. In-vitro-Zellkultursysteme. Funktionale Implantate und Implantatoberflächen, Vom Werkstoff zur klinischen Anwendung, Regensburg, DE, 03-31 to 04-01 ♣ ○

Maniura, Katharina

Biologische Verträglichkeit von Medizintechnikwerkstoffen. GV und Tag der Werkstoffe SVMT, Bülach, 04-02 ♣ ○

Maniura, Katharina

Biocompatibility and Polymers. (PolyColl 2014) Annual Meeting of the Division of Polymers, Colloids and Interfaces (DPCI) of the Swiss Chemical Society, Dübendorf, 06-20 ♣ ○

Maniura, Katharina, Dalla Torre, F. H./Faoro, F./Court, D./Sologubenko, A./Spolenak, R./Kopf, S.B.

High strength Titanium: a new candidate for implant materials. Meet the Expert Implant, Interlaken, 04-28 to 04-29 ♣

Maniura, Katharina, Milla, C./ Cavalli, E./ Ammann, P./ Häller, A./ Yang, Y./ Groth, T./ Zenobi-Wong, M.

Modified polysaccharides for rapid microtissue formation: the QuickStick technique. 20th annual meeting of the swiss society for biomaterials and regenerative medicine (SSBRM), Basel, 05-07 to 05-08 ♣

Maniura, Katharina, Zenobi-Wong, M./Millan, C.

QuickStick Technology Promotes Chondrogenesis of Mesenchymal Stem Cell (MSC) Microtissues Adherent to Cartilage Surfaces. Termis, Genova, IT, 06-10 to 06-13 ◆

Millan, C., Cavalli, E./ Yang, Y./ Groth, T./ Maniura-Weber, K./ Zenobi-Wong, M.

QuickStick Microtissues for Cartilage defect Repair. Gordon Research Conference Biointerface Science Engineered Biomolecular Interfaces, Lucca (Barga), IT, 06-15 to 06-20 ◆

Mulky, Elias, Yazgan, G./Maniura-Weber, K./Luginbuehl, R./Fortunato, G./Buehlmann-Popa, A.M.

Engineering of Staple Electrospun Fibres for Biodegradable Nanocomposites by Particle Enhanced Ultrasonication. 26th European Conference on Biomaterials, Liverpool, GB, 08-31 to 09-03 ◆

Muoth, Carina

Studying nanoparticle behavior and uptake at the human placental barrier in a newly developed 3D placental in vitro co-culture model. Empa PhD-Day, St.Gallen, 10-21 ◆

Muoth, Carina, Schipanski, A./Bürki, T./Rottmar, M./Wick, P./Maniura-Weber, K.

Does the cell architecture influences engineered nanomaterial uptake? – an experimental approach. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ◆

Muoth, Carina, Tina Buerki-Thurnherr/ Liliane Diener/ Peter Wick

Studying nanoparticle behavior and uptake at the human placental barrier in a newly developed 3D placental in vitro co-culture model. Young Scientist Forum, Sicily, Siracusa, IT, 10-08 to 10-09 ♣

Obarzanek-Fojt, Magdalena, Yvonne Elbs-Glatz, Liliane Diener, Arie Bruinink

Potential cytotoxicity of Poly (L-lactide)/multiwall carbon nanotubes nanocomposite degradation products. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ◆

Roesslein, Matthias

The ultimate goal – achieving comparability in a nano-cytotoxicity assay measurement. MathMet 2014 – International Workshop ,Mathematics and Statistics for Metrology, Berlin, DE, 03-24 to 03-26 ♣ ○

Roesslein, Matthias

Ways to achieve comparability in biological assays. How safe is safe enough? Translating Nanoscience to applications, St.Gallen, 10-09 ♣ ○

Roesslein, Matthias, Elliott, J.T./ Song, N.W./ Kinser-Ovaskainen, A./ Hirsch, C./ Hole, P./ Silience, K./ Rossi, F./ Wick, P.

Comparability over Time and Space due to effective Interlaboratory Comparisons. CLINAM, Basel, 06-23 to 06-25 ◆

Roesslein, Matthias, John T. Elliott, Marc Salit, Blaza Toman, Nam Woong Song, Agnieszka Kinser Ovaskainen, Cordula Hirsch, Harald F. Krug, François Rossi, Peter Wick

The Ultimate Goal – Achieving Comparability in a Nano-Cytotoxicity Assay Measurement. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ◆

Rottmar, Markus, Richter, M./ Mäder, X./ Grieder, K./ von Rechenberg, B./ Karol, A./ Nuss, K./ Zimmermann, E./ Buser, S./ Dobmann, A./ Blume, J./ Bruinink, A.

In vitro and in vivo investigations of a novel bioresorbable wound bandage. TERMIS, Genova, IT, 06-10 to 06-13 ◆

Schipanski, Angela, Kopf, S.B./Berner, S./Maniura-Weber, K

The interaction of blood components with titanium implant surfaces is decisive for osseointegration of bone implants. Meet the Expert Implant, Interlaken, 04-28 to 04-29 ♣ ○

Schipanski, Angela, Kopf, S.B./Berner, S./Maniura-Weber, K

A new in vitro approach for studies of bone-oriented materials. 3D cell culture DEEMA, Freiburg, Deutschland, DE, 06-26 to 06-27 ◆

Schipanski, Angela, Mouth, C./Bürki, T./Rottmar, M./Wick, P./Maniura-Weber, K.	Does the cell architecture influences engineered nanomaterial uptake? – an experimental approach. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 🍷 ○
Schipanski, Angela, Valet, S./ Maniura, K./ Weisse, B./ Strehler, C./ Berhänel, F.	Development of a ceramic resurfacing hip joint implant with osseointegrative surface structure. CTI Medtech Event 2014, Bern, 09-02 ◆
Schlagenhauf, Lukas, Buha, J./ Buerki-Thurnherr, T./ Wick, P./ Nüesch, F./ Wang, J.	Toxicity of abraded particles from an epoxy/carbon nanotube composite. CLINAM, Basel, 06-23 to 06-25 🍷
Schlagenhauf, Lukas, Buha, J./ Buerki-Thurnherr, T./ Wick, P./ Nüesch, F./ Wang, J.	Toxicity of abraded particles from an epoxy/carbon nanotube composite. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 ◆
Wick, Peter	Risks and safety measures in nanotechnology. CECAM Workshop, Lausanne, 01-20 to 01-23 🍷 ○
Wick, Peter	Screening Methoden zu Effektbeurteilung von Nanomaterialien. Wissenschaftliche Grundlagen zur Regulation von Nanomaterialien (Workshop), Dübendorf, 01-20 to 01-21 🍷 ○
Wick, Peter	Nanomaterial barrier interactions: How physical-chemical properties of ENMs influence their translocation rate. NANOTOX 2014, 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 🍷 ○
Wick, Peter	Work in progress/ Results. Graphene Flagship WP2 Meeting, Strassbourg, FR, 05-19 to 05-20 🍷
Wick, Peter	Advanced Human in vitro Models for off-target Effect Assessment of Nanomaterials. CLINAM, Basel, 06-23 to 06-25 🍷 ○
Wick, Peter	Safety Assessment of Nanomaterials. Swiss Society of Toxicology Meeting, Basel, 11-13 🍷 ○
Wick, Peter	Nanosafety research a new discipline for safe and sustainable nano-applications illustrated for textile industry. 8th Aachen-Dresden International Textile Conference, Dresden, DE, 11-27 to 11-28 🍷 ○
Aljaste, H., Kuklane K./Heidmets S./Aerts J.M./Annaheim S./Bogerd C.P./Bröde P./de Bruyne G./Flouris A.D./S. Mayor T./Rossi R.M.	Better bicycle helmet for commuters – Evaluation of ventilation. International Cycle Safety Conference (ICSC2014), Gothenburg, SE, 11-18 to 11-19 ◆
Annaheim, Simon	Thermo-Physiological Impact of Protective Clothing for Fire Fighters. 6th European Conference on Protective Clothing, Bruges, BE, 05-14 to 05-16 🍷 ○
Annaheim, Simon	Prediction of Thermo-Physiological Impact of Protective Firefighter Clothing. Ambience 14 & 10i3M, Tampere, FI, 09-07 to 09-09 🍷
Annaheim, Simon,	Prediction of human core body temperature using non-invasive measurement methods. 5th Bio-logging Science Symposium (BLS5), Strasbourg, FR, 09-22 to 09-27 🍷
Bannwarth, Markus B., Faccio G./Widmer S./Richter M./Boesel L.F./Schöller K.	Multifunctional Wound Pad Coatings as Optical Sensors for Improved Chronic Wound Treatment. PolyColl 2014 Annual Meeting of the Division of Polymers, Colloids and Interfaces, Dübendorf, 06-20 ◆
Boesel, Luciano, F.	Biosensors at Empa. NTN Innovative Oberflächen, Hightech-Zentrum Brugg, AG, 10-02 🍷 ○
Bröde, Peter, de Bruyne G./Aerts M.J./S. Mayor Tiago	Prediction of head sweat rates for assessing the thermal comfort of bicycle helmets. 6th European Conference on Protective Clothing (ECPC), Bruges, BE, 05-14 to 05-16 🍷
Camenzind, Martin	Comparison of measurements on Hexagon device to benchscale tests for firefighter clothing. 6th European Conference on Protective Clothing (ECPC), Bruges, BE, 05-14 to 05-16 🍷
Camerlo, Agathe	Environmentally controlled electrospinning. University of Geneva, 08-25 🍷 ○
Camerlo, Agathe	Environmentally controlled emulsion electrospinning. Swiss Soft Days 15, Lausanne, 10-02 🍷
Dabrowska, Agnieszka,, Spencer N. D./Derler S./Fortunato G./Rossi R.M./ Rotaru G.M.	Friction of textiles against human skin and skin model,. Swiss-Japanese Tribology Meeting: Energy Savings through Tribology, ETH Zürich, 09-08 to 09-10 ◆
Derler, S.	Friction mechanisms of the finger pad. JIFT 2014, 26èmes Journées Internationales Francophones de Tribologie, Mulhouse, FR, 05-26 to 05-28 🍷 ○
Derler, Siegfried	Skin tribology in health care: The formation and prevention of pressure ulcers (Keynote presentation). 2nd International Conference on BioTribology, Toronto, CA, 05-11 to 05-14 🍷 ○

Derler, Siegfried

Risiko für Dekubitus im Spannungsfeld zwischen Hautphysiologie und Oberfläche, Forschung und technische Erneuerungen. Aktionstag Dekubitus und Adipositas, Paraplegikerzentrum Nottwil, 10-29 🍄 ○

Experton, Juliette, Widmer S./Vetushka A./Martin C./Constable E.C./ Scherer L. J./Schöller K.

Light- and redox-responsive amphiphilic polymer conetworks via incorporation of terpyridine and spiropyran derivatives. PolyColl 2014 Annual Meeting of the Division of Polymers, Colloids and Interfaces, Dübendorf, 06-20
◆

Fortunato, Giuseppino

Nanofiber Based Textil Laminates. 53. Chemiefaser-Tagung, Dornbirn, AU, 11-09 🍄 ○

Frackiewicz-Kaczmarek, Joanna, Psikuta A./Bueno M.-A./Rossi, R. M.

Regional effect of garment type and fit on the enclosed air gap thickness and the contact area. Autex, 10th World Textile Conference, Bursa, TR, 05-26 🍄

Martinez, Natividad, Psikuta A./Annaheim S./Corberan J. M./Rossi R. M.

A new thermal head manikin for the development of helmet designs with increased thermal comfort. International Cycling Safety Conference 2014, Göteborg, SE, 11-18 to 11-19 🍄

Martinez, Natividad, Psikuta A./Annaheim S./Corberan J. M./Rossi, R. M.

Thermophysiological Head Simulator. Ambience14 & 10i3m, Tampere, FI, 09-07 to 09-09 🍄

Mert, Emel

Evaluation of the thermal effects of homogenous air gaps and different sizes of folds. Autex, 10th World Textile Conference, Bursa, TR, 05-25 to 05-26 🍄

Neves, S.F., Campos J.B.L.M./S. Mayor T.

A numerical simulation study on the thermal performance of ventilated clothes. 6th European Conference on Protective Clothing (ECPC), Bruges, BE, 05-13 to 05-15 🍄

Neves, S., Campros, J.B.L.M./S. Mayor, T.

Numerical analysis on the thermal performance of an electrically heated bedding product. Ambience14 & 10i3m, Tampere, FI, 09-07 to 10-09 ◆

Puigmarti, Josep

Activities Functional Membranes Group. Arrayon Biotechnology SA at CSEM, Neuchâtel, 05-12 🍄

Puigmarti, Josep

Microfluidics, a mainstream technology for a myriad of applications. ETH, Prof. Andrew deMello, ETH Zürich, 06-26 🍄 ○

Puigmarti, Josep

Microfluidics, a mainstream technology for a myriad of applications. Group of Prof. Corinne Vebert, University of Geneva, 08-25 🍄 ○

Puigmarti, Josep

Multifunctional microfluidic platforms, Universität Bern, 11-13 🍄 ○

Rossi, René M.

Use of sports underwear under heat protective clothing: determination of critical heat transfer. 6th European Conference on Protective Clothing, Bruges, BE, 05-14 🍄

Rossi, René M.

Von der Materialforschung zu smarten Produkten. 14. Ostschweizer Technologiesymposium 2014, St. Gallen, 08-22 🍄

Rossi, René M.

Bekleidungs- und Tragesysteme. Infanterist der Zukunft – Anforderungen, Konzepte, Technologien, Thun, 11-04 to 11-06 🍄 ○

Rotaru, Gelu M.

Friction between human skin and textiles as a function of load and water amount at the interface. 2nd International Conference on BioTribology, Toronto, CA, 05-11 to 05-14 🍄

S. Mayor, Tiago, Couto S./Psikuta, A./Rossi, R.M.

A numerical analysis on the transport phenomena across horizontal clothing microclimates. 6th European Conference on Protective Clothing (ECPC), Bruges, BE, 05-14 to 05-16 🍄

S. Mayor, Tiago, Couto S./Psikuta, A./Rossi, R.M.

Transport phenomena in clothing wavy microclimates – a numerical study. Ambience14 & 10i3m, Tampere, FI, 09-07 to 09-09 🍄

Schöller, Katrin, Baumann L./Vetushka A.I./Heuberger M./Constable E.C./ Scherer L. J.

From terpyridine- and spiropyran-functionalized monomers to dually responsive co-continuous polymer networks, ACS Spring Meeting, Dallas, US, 03-19 🍄

Wang, Faming, Havenith G./S. Mayor T/Kuklane K./Léonard J./Zwolinska M./Hodder S./Wong C./Kishino/J./Dai X.

Clothing real evaporative resistance determined by means of a sweating thermal manikin: a new round-robin study. Ambience14 & 10i3m, Tampere, FI, 09-07 to 09-09 🍄

Wettenschwiler, Patrick D.

Improving the Reliability of Skin Pressure Measurement. 7th World Congress of Biomechanics, Boston, US, 07-06 to 07-11 ◆

Wettenschwiler, Patrick

Body Surface Pressure as a Predictor of Mechanical Discomfort During Load Carriage. Swiss Society for Biomedical Engineering Annual Meeting 2014, Zürich, 08-27 to 08-28 🍄

■ Organisation
◆ Poster

🍄 Lecture
○ invited

Protection and Physiology

Widmer, Susanne, Dorrestijn M./Rossi R.M./Constable E. C./Schöller K./ Scherer L./Boesel L. F.
Optical Ammonia Gas Sensor based on FRET sensing Mechanisms embedded in Xerogel Matrixes SCS Fall Meeting, SCS Fall Meeting, Universität Zürich, 09-11 ◆

Widmer, Susanne, Dorrestijn M./Rossi R.M./Constable E. C./Schöller K./ Scherer L./Boesel L. F.
Optical Ammonia Gas Sensor based on FRET sensing Mechanisms embedded in Xerogel Matrixes. Biotech 2014: Bioprocess Analytics and Sensor Technology, ZHAW School of Life Sciences, Wädenswil, 09-04 to 09-05 ◆

Mobility, Energy and Environment**Air Pollution/
Environmental Technology**

Oney, Brian, Dominik Brunner, Stephan Henne, Markus Leuenberger, Werner Eugster, Nicolas Gruber
Towards regional inversion of biospheric CO₂ fluxes of the Swiss Plateau. Data Assimilation in Biogeochemical Cycles, ICTP, Trieste, IT, 09-22 to 09-27 ◆

Arfeuille, Florian, Brunner Dominik/Henne Stephan
Lagrangian modeling of methane (MAIOLICA II project). TRANSCOM meeting, University of Groningen, NL, 06-24 to 06-26 🍄

Brunner, Dominik
Developments in ground-based GHG monitoring systems. Future GHG Mission Challenges Workshop, 10th International Workshop on Greenhouse Gas Measurements from Space (IWGMS-10), ESA-ESTEC, Noordwijk, NL, 05-05 to 11-07 🍄 ○

Brunner, Dominik
Aqueous phase chemistry. Young Scientist Summer School "Online Integrated Modelling of Meteorological and Chemical Transport Processes", University of Aveiro, PT, 07-06 to 07-11 🍄

Brunner, Dominik
Chemical data assimilation. Young Scientist Summer School "Online Integrated Modelling of Meteorological and Chemical Transport Processes", University of Aveiro, PT, 07-06 to 07-11 🍄

Brunner, Dominik
Chemistry in Atmospheric Chemistry Transport Models. Young Scientist Summer School "Online Integrated Modelling of Meteorological and Chemical Transport Processes", University of Aveiro, PT, 07-06 to 07-11 🍄

Brunner, Dominik, Giordano Lea
The Air Quality Model Evaluation International Initiative AQMEII-2: Evaluation of chemistry and meteorology in COSMO-ART. COSMO User Workshop, ETH Zurich, 12-03 🍄

Brunner, Dominik, Henne Stephan/Oney Brian/Leuenberger Markus/Hiller Rebecca/Bamberger Ines/Eugster Werner/Neininger Bruno
Estimation of country-scale methane emissions by airborne and ground-based in situ observations and inverse modeling. AGU Fall Meeting, 2014, San Francisco, US, 12-15 to 12-19 🍄

Brunner, Dominik, Sawyer Will/Glassmeier Franziska/ Charles Joseph/ Giordano Lea/Roches Anne Roches/Bey Isabelle/Vogel Heike/Vogel Bernhard
Extensions of the weather prediction model COSMO for studying air quality, aerosol-climate feedbacks and greenhouse gas fluxes. Platform of Advanced Scientific Computing (PASC) Conference, ETH Zurich, 06-02 to 06-03 ◆

Brunner, Dominik, Zink Katrin/Müller Michael/Hüglin Christoph
Combination of an air pollution sensor network with dispersion modelling in the city of Zurich. GRAMM/GRAL Workshop 2014, Linz, AT, 10-14 to 10-15 🍄

Emmenegger, Lukas
High-precision MIR trace gas analysis for environmental applications. MIRIFISENS Workshop, Zürich, 01-14 🍄 ○

Emmenegger, Lukas
High-precision MIR trace gas analysis for environmental application. MIRIFISENS Workshop, Zürich, 01-14 🍄 ○

Emmenegger, Lukas
Laserspektroskopie zur Messung von Luftschadstoffen und Klimagasen: Rückblick und Ausblick. Nabel Tagung 2014, Dübendorf, 01-16 🍄 ○

Emmenegger, Lukas
Laserspektroskopie zur Messung von Luftschadstoffen und Klimagasen: Rückblick und Ausblick. Nabel Tagung, Dübendorf, 01-16 🍄 ○

Emmenegger, Lukas
Tracking the signature of stable CO₂ isotopes by quantum cascade laser spectroscopy. Spawning the Atmosphere Measurements Workshop, Bern, 01-22 🍄

Emmenegger, Lukas
Tracking the signature of stable CO₂ isotopes by quantum cascade laser spectroscopy. Spawning the Atmosphere Measurements Workshop, Bern, 01-22 🍄

Emmenegger, Lukas, B. Wolf, S. Eyer, B. Tuzson, J. Mohn,, J.R. Köster, P. Wunderlin
High-precision QCLAS measurements of d¹⁵N_{a,b} and d¹⁸O in N₂O d¹³C and dD in 4. FLAIR 2014, Florence, IT, 05-05 to 06-09 🍄

Emmenegger, Lukas, Eyer Simon, Mohn Joachim, Tuzson Bela, Fischer Hubertus
On-site analysis of d¹³C- and dD-4 by laser spectroscopy for the allocation of source processes. NCGG, Amsterdam, NL, 11-04 to 11-07 🍄

Emmenegger, Lukas, Jagerska Jana, Tuzson Bela, Mangold Markus
MIR absorption laser spectroscopy applications, advances, and outlook. 49th meeting of the AGAGE network, Ascona, 04-27 to 10-02 🍄 ○

Emmenegger, Lukas, Jana Jagerska, Béla Tuzson, Markus Mangold

MIR absorption laser spectroscopy applications, advances, and outlook. AGAGE, international Workshop, Monte Verita, 04-26 to 05-02 🍷 ○

Emmenegger, Lukas, Mohn Joachim, Eyer Simon, Köster Jan, Wolf Benjamin, Tuzson Bela

High-precision QCLAS measurements of $^{15}\text{N}_2$, $^{18}\text{O}_2$ and d^{18}O in N_2O , d^{13}C and d^{D} in 4. FLAIR, Florence, IT, 05-05 to 05-09 🍷

Emmenegger, Lukas, Steinbacher Martin

Trace Gases in the Atmosphere. JungfrauJoch: Workshop for SNSF, JungfrauJoch, 11-06 🍷 ○

Emmenegger, Lukas, Tuzson Bela, Henne Stephan, Steinbacher Martin, Sturm Patrick

Five years of real-time d^{13}C - CO_2 and d^{18}O - CO_2 measurements at JungfrauJoch. ICOS Science Meeting, Bruxelles, BE, 09-23 to 09-25 🍷

Eyer, Simon, Tuzson Béla, Emmenegger Lukas, Mohn Joachim

Real-time quantum cascade laser spectrometer for methane isotopic species in ambient air. EGU, Vienna, AT, 04-28 to 05-02 🍷

Gute, Ellen, Harris Eliza, Henne Stephan, Emmenegger Lukas, Mohn Joachim

Regional N_2O source identification via isotope measurements and model calculations. Empa PhD Symposium, St. Gallen, 10-21 ♦

Gute, Ellen, Harris Eliza, Tuzson Béla, Emmenegger Lukas, Mohn Joachim

Real-time measurements of nitrous oxide isotopomers at a tall tower: Identifying sources and hot spots in Switzerland. Jahrestagung der Arbeitsgemeinschaft Stabile Isotope e.V., München, DE, 10-15 to 10-17 ♦

Gute, Ellen, Harris Eliza, Wolf Benjamin, Henne Stephan, Emmenegger Lukas, Mohn Joachim

Laser based N_2O isotopomer analysis bridges the gap between pure culture studies and field applications. SCS Fall Meeting, Uni Irchel, Zürich, 09-11 🍷

Harris, Eliza

No Poster – just workshop attendance.. ICOS NEON Carbon Workshop, Observatoire d'Haute Provence, FR, 09-07 to 09-13 ♦

Harris, Eliza, Adriano Joss/Lukas Emmenegger/Marco Kipf/Benjamin Wolf/Joachim Mohn/Pascal Wunderlin

Isotopic evidence for N_2O emissions from anammox? Jahrestagung der Arbeitsgemeinschaft Stabile Isotope, München, DE, 10-15 to 10-17 🍷

Harris, Eliza, Benjamin Wolf, Kerstin Zeyer, Béla Tuzson, Lukas Emmenegger, Joachim Mohn

Development and application of spectroscopic N_2O isotope measurements at Empa. 49th meeting of the AGAGE network, Ascona, 04-29 to 05-02 🍷

Harris, Eliza, Benjamin Wolf/Ellen Gute/Stephan Henne/Béla Tuzson/Pascal Wunderlin/Ralf Kiese/Klaus Butterbach-Bahl/Lukas Emmenegger/Joachim Mohn

Real-time measurements of N_2O isotopocules: Identifying sources and hot spots. Empa/PSI Postdoc Symposium, Villigen, 11-11 🍷

Harris, Eliza, Benjamin Wolf/Ellen Gute/Stephan Henne/Béla Tuzson/Pascal Wunderlin/Ralf Kiese/Klaus Butterbach-Bahl/Lukas Emmenegger/Joachim Mohn

Real-time measurements of N_2O isotopocules: Identifying sources and hot spots. Seventh International Symposium on Non- CO_2 Greenhouse Gases (NCGG7), Amsterdam, NL, 11-05 to 11-07 🍷

Harris, Eliza, Joachim Mohn, Benjamin Wolf, Ellen Gute, Stephan Henne, Pascal Wunderlin, Adriano Joss, Ralf Kiese, Klaus Butterbach-Bahl, Lukas Emmenegger

Laser-based N_2O isotopomer analysis bridges the gap between pure culture studies and field applications. Swiss Global Change Day, Bern, 04-02 ♦

Harris, Eliza, Wunderlin Pascal/Joss Adriano/Emmenegger Lukas/Kipf Marco/Wolf Benjamin/Siegrist Hansruedi/Mohn Joachim

Online N_2O isotopic measurements for the identification of microbial N_2O production pathways. 12th Swiss Geoscience Meeting, Fribourg, 11-21 to 11-22 🍷

Henne, Stephan, Brunner Dominik, Oney Brian, Leuenberger Markus, Bamberger Ines, Eugster Werner

Validation of Swiss methane emissions inventory by near surface observations and inverse modeling. Swiss Geoscience Meeting 2014, Fribourg, 11-21 to 11-22 🍷

Henne, Stephan, Hüglin Christoph, Ruckstuhl Andreas

Robust Extraction of Baseline Signal (REBS). 49th meeting of the AGAGE network, Ascona, 04-27 to 10-02 🍷

Henne, Stephan, Oney Brian, Schanda Rüdiger, Bamberger Ines, Leuenberger Markus,, Eugster Werner, Brunner Dominik

Estimation of methane emissions from Switzerland by atmospheric observations and inverse modeling. NCGG, Amsterdam, NL, 11-04 to 11-07 🍷

Henne, Stephan, Steinbacher Martin, Mahieu Emmanuel, Bader Whitney, Blumenstock Thomas, Cuevas-Agulló Emilio, Hendrick Francois, Puentedura Olga, Gil Ojeda Manuel, Buchmann Brigitte

Accounting for spatial representativeness in comparisons of tropospheric ground-based remote sensing and surface in-situ observations – Application to FTIR and MAXDOAS observations of CO , O_3 , a . NORS/NDACC/GAW Workshop, Brussels, BE, 11-05 to 11-07 🍷

Hill, Matthias

NA4 meeting of ACTRIS FP Trace gases (VOCs and NO_x) in ACTRIS, Jülich, DE, 11-27 to 11-28 🍷

Hill, Matthias, Hoerger Corinne	ACTRIS OVOC intercomparison at Hohenpeissenberg. OVOC Workshop, York, GB, 03-17 to 03-19 🍄
Hill, Matthias, Hoerger Corinne/Vollmer Martin/Reimann Stefan	VOC measurements at Jungfrauoch and Rigi. NA4 meeting of ACTRIS FP Trace gases (VOCs and NO _x) in ACTRIS, Dübendorf, 06-02 to 06-05 ■
Hoerger, Corinne C., Hill Matthias	ACTRIS OVOC intercomparison at Hohenpeissenberg. OVOC Workshop, York, GB, 03-17 to 11-19 🍄
Hoerger, Corinne C., Hill Matthias, Reimann Stefan	Method development for analysis of (oxygenated) volatile organic compounds in ambient air. Swiss Chemical Society Fall Meeting 2014, Zürich, 09-11 ◆
Hoerger, Corinne C., Reimann Stefan/ Hill Matthias	ACTRIS VOC/NO _x -Workshop, Jülich, DE, 11-26 to 11-28 ■
Hoerger, Corinne C., S. Reimann, M. Hill, A. Werner, C. Plass-Duelmer, J. K. Gietl, K. Michl, M. Crippa, A. Prévôt, N. Bonnaire, A. Borbon, V. Gros, N. Marchand, V. Riffault, S. Sauvage, J. Sciare, A. Setyan, B. Bandy, J. R. Hopkins, D. C. Green, D. Young	ACTRIS mass closure experiments for gaseous and particulate carbons at different sites in Europe. 4th ACTRIS General Meeting, Clermont-Ferrand, FR, 06-10 to 06-13 ◆
Hoerger, Corinne C., Stefan Reimann, Anja Werner, Christian Plass-Dülmer, and the ACTRIS-NA4-VOC Team	ACTRIS: VOC intercomparison experiment in Europe. 4th ACTRIS General Meeting, Clermont-Ferrand, FR, 06-10 to 06-13 🍄
Hoerger, Corinne C., Stefan Reimann, Anja Werner, Christian Plass-Dülmer, and the ACTRIS-NA4-VOC Team	ACTRIS:VOCs intercomparison experiment in Europe. EMEP TFMM, Bologna, IT, 04-08 to 04-10 🍄
Hoerger, Corinne C., Stefan Reimann, Christian Plass-Dülmer, Anja Werner	ACTRIS VOCs/NO _x Workshop at Empa, Dübendorf, 06-02 to 06-05 ■
Hueglin, Christoph	Meteorologically adjusted trend of O ₃ . Convention on long-range transboundary air pollution. 15th Task Force on Measurement and Modelling Meeting, Bologna, IT, 04-08 to 04-10 🍄
Hueglin, Christoph, Bright Vivien, Fierz Martin, Jones Roderic, Hasenfratz David, Müller Michael, Saukh Olga, Schwarzenbach Beat	Mapping of air pollutant concentrations in cities with high temporal and spatial resolution based on (low-cost) sensors. Thursday Seminar, Swiss Tropical and Public Health Institute, Basel, 04-10 🍄 ○
Hueglin, Christoph, Fierz Martin, Hasenfratz David, Mueller Michael, Saukh Olga, Schwarzenbach Beat	Bestimmung der räumlichen Verteilung von Luftschadstoffen in Städten mit kostengünstigen Sensoren. 5. Freiburger Workshop „Luftreinhaltung und Modelle“, Freiburg, DE, 05-06 to 05-07 🍄 ○
Hueglin, Christoph, Schwarzenbach Beat, Mueller Michael, Wolf Benjamin	Luftschadstoffmessungen mit Low-cost Sensoren. NABEL-Tagung 2014, Dübendorf, 01-16 🍄 ○
Jagerska, Jana	Laser Components IR Workshop, München, DE, 11-09 to 11-11
Jagerska, Jana, Jouy Pierre, Tuzson Béla, Looser Herbert, Hugi Andreas, Mangold Markus, Faist Jérôme, Emmenegger Lukas	Multi-Color Laser Spectroscopy with a Dual-Wavelength QCL. 20 Years of Quantum Cascade Laser Anniversary Workshop, ETH Zürich, 01-16 to 01-17 ◆
Jagerska, Jana, Jouy Pierre, Tuzson Béla, Looser Herbert, Hugi Andreas, Mangold Markus, Faist Jérôme, Emmenegger Lukas	Multicomponent trace gas spectroscopy with a dual-wavelength QCL. FLAIR 2014 (Field Laser Applications in Industry and Research), Florence/Pratolino, IT, 05-05 to 05-09 🍄
Jagerska, Jana, Jouy Pierre, Tuzson Béla, Looser Herbert, Hugi Andreas, Mangold Markus, Soltic Patrik, Faist Jérôme, Emmenegger Lukas	Multi-Color Laser Spectroscopy with a Dual-Wavelength Quantum Cascade Laser. CLEO 2014, San Jose, California, US, 06-08 to 06-13 🍄
Jagerska, Jana, Jouy Pierre/Tuzson Béla/Looser Herbert/Hugi Andreas/Mangold Markus/Soltic Patrik/Faist Jérôme/Emmenegger Lukas	Multi-Component Laser Spectroscopy with a Dual-Wavelength Quantum Cascade Laser. Laser Components IR Workshop, München, DE, 11-10 to 11-11 🍄
Jagerska, Jana, Tuzson Béla, Mangold Markus, Sturm Patrick, Emmenegger Lukas	QCL based environmental trace gas sensing. RDG Spring Meeting, Vienna, AT, 04-24 to 04-25 🍄 ○
Mangold, Markus, Hugi Andreas/Geiser Markus/Faist Jerome/Emmenegger Lukas	Process Analysis with Frequency Comb Spectroscopy. Empa PhD Symposium, St. Gallen, 10-21 🍄
Mangold, Markus, Hugi Andreas/Geiser Markus/Faist Jerome/Emmenegger Lukas	Process Analysis with Frequency Comb Spectroscopy. Laser Components IR Workshop, München, DE, 11-10 to 11-11 🍄
Mangold, Markus, Tuzson Béla, Emmenegger Lukas	Portable Mid-Infrared Trace Gas Sensor for Mobile Applications. Photonics Europe – Innovation Village, Brussels, BE, 04-14 to 04-17 ◆

Mangold, Markus, Tuzson Béla, Looser Herbert, Hofstetter Daniel, Jouy Pierre, Faist Jerome, Emmenegger Lukas

A Portable Analyzer for CO Isotopic Composition Measurements Exclusively Based on Quantum Cascade Technology. QCL 20th anniversary, Zurich, 01-16 to 01-17 ◆

Mohn, Joachim

Recent advance in laser spectroscopic analysis of GHG stable isotopes. Institute Seminar, Thuenen Institute Braunschweig, DE, 03-18 🍄 ○

Mohn, Joachim, Eyer Simon, Tuzson Béla, Popa Elena, van der Veen Carina, Röckmann Thomas, Brand Willi A., Fisher Rebecca, Lowry David, Nisbet Euan G., Brennwald Matthias S., Harris Eliza, Emmenegger Lukas, Fischer Hubertus

Real-time analysis of d13C- and dD-4 in atmospheric 4 by laser spectroscopy: Method development and first inter-comparison results. InGOS 2nd Periodic Project Meeting, Florence, IT, 10-14 to 10-16 🍄

Mohn, Joachim, Koba Keisuke

Session Isotopomer/isotope analys○ of N2O and related substances in the aquaous environment. ISI 2014, Tokyo, JP, 07-01 to 07-05

Mohn, Joachim, Wolf Benjamin, Toyoda Sakae, Lin Cheng-Ting, Liang Mao-Chang, Brüggemann Nicolas, Wissel Holger, Steiker Amy E., Dymans Jens, Szvec Lars, Ostrom Nathaniel E., Casciotti Karen, Frobos Matthew, Giesemann Anette, Well Reinhard, Doucett Richard R., Yarnes Chris T., Ridley Anna R., Kaiser Jan, Yoshida N

Inter-laboratory assessment of nitrous oxide isotopomer analysis by isotope ratio mass spectrometry and laser spectroscopy: current status and perspectives. Jahrestagung der Arbeitsgemeinschaft Stabile Isotope e.V. München, DE, 10-15 to 10-17 ◆

Mohn, Joachim, Wolf Benjamin, Toyoda Sakae, Yoshida Naohiro

Inter-laboratory assessment of N2O isotopomer analysis by IRMS and laser spectroscopy: current status and perspectives. ISI 2014, Tokyo, JP, 07-01 to 07-05 🍄

Mohn, Joachim, Yoshida Naohiro

Compatibility of N2O isotopomer analysis by IRMS and laser spectroscopy: current status and perspectives. Technical Meeting on Stable Isotope Reference Materials, Vienna, AT, 09-03 to 09-05 🍄 ○

Mueller, Michael, Hasenfratz David, Saukh Olga, Bright Vivien, Mead Iq, Meng Kevin, Popoola Olekan, Stewart Gregor, Hueglin Christoph, Jones Roderic

Statistical modelling of pollutant concentration in the urban environment at high spatial and temporal resolution by utilizing data from sensor networks. 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Varna, BG, 09-08 to 09-11 🍄

Mueller, Michael, Hasenfratz David, Saukh Olga, Fierz Martin, Hueglin Christoph

Statistical Modelling of Ultrafine Particles Number Concentration in the Urban Environment at High Spatio-temporal Resolution. Nano-Tera Annual Meeting, EPFL, 05-20 ◆

Mueller, Michael, Hasenfratz David, Saukh Olga, Fierz Martin, Hueglin Christoph

Modelling Ultrafine Particle Number Concentration in Zurich with High Spatio-Temporal Resolution. 18th ETH-Conference on Combustion Generated Nanoparticles, ETH Zurich, 06-22 to 06-25 🍄

Mueller, Michael, Hueglin Christoph, Hasenfratz David, Saukh Olga, Bright Vivien, Popoola Olekan, Jones Rod

High resolution mapping of atmospheric pollutants in urban environments utilising data from sensor networks. 9th International Conference on Air Quality – Science and Application, Garmisch-Partenkirchen, DE, 03-24 to 03-28 🍄

Müller, Michael, Hasenfratz David, Saukh Olga, Fierz Martin, Hüglin Christoph

Highly resolved ultrafine particle maps for Zurich. 9th Swiss Aerosol Group Meeting, Bern, 11-10 🍄

Müller, Michael, Hüglin Christoph

Ultrafine particle maps in Zurich. Runder Tisch Gesundheit und Verkehr, Zürich, 11-12 🍄 ○

Oney, Brian, Brunner Dominik / Henne Stephan / Leuenberger Markus / Bamberger Ines / Eugster Werner / Gruber Nicolas

Towards regional inversion of biospheric CO2 fluxes of the Swiss Plateau. Data Assimilation in Biogeochemical Cycles, ICTP, Trieste, IT, 09-22 to 09-27 ◆

Oney, Brian, Brunner Dominik / Henne Stephan / Leuenberger Markus / Bamberger Ines / Eugster Werner / Gruber Nicolas

Characterization of densely placed carbon observation network. PhD Symposium, Sankt Gallen, 10-21 🍄

Oney, Brian, Brunner Dominik / Henne Stephan / Leuenberger Markus / Bamberger Ines / Eugster Werner / Gruber Nicolas

Evaluation of COSMO at CarboCount sites with respect to meteorology and trace gas transport. COSMO User Workshop, ETH Zurich, 12-03 🍄 ○

Oney, Brian, Brunner Dominik / Henne Stephan / Leuenberger Markus / Bamberger Ines / Eugster Werner / Gruber Nicolas

Characterization of densely placed carbon observation network. AGU Fall Meeting, 2014, San Francisco, US, 12-15 to 12-19 ◆

Reimann, Reimann, Brunner Dominik, Vollmer Martin K, Henne Stephan, Maione Michela, Arduini Igor

Real-World Verification of Methyl Bromide (3Br) Phase-Out in Europe and its partial replacement with sulfuryl fluoride (SO2F2). AGU Fall Meeting, San Francisco, US, 12-15 to 12-19 ◆

<p>Reimann, Reimann, Brunner Dominik, Vollmer Martin K, Henne Stephan, Maione Michela, Arduini Igor Real-World Verification of Methyl Bromide (3Br) Phase-Out in Europe and its partial replacement with sulfurly fluoride (SO₂F₂). AGU Fall Meeting, San Francisco, US, 12-15 to 12-19 ◆</p>
<p>Reimann, Stefan InGOS FP7 Meeting of NA4/JRA5: halocarbon measurements in InGOS, Dübendorf, 01-14 to 01-15 ■</p>
<p>Reimann, Stefan 49th AGAGE meeting, Ascona Monte Verità, 04-27 to 05-02 ■</p>
<p>Reimann, Stefan Ground-based Networks for Measuring Ozone- and Climate-Related Trace Gases. Ozone Research Management meeting, Geneva, WMO, 05-14 to 05-15 🍄 ○</p>
<p>Reimann, Stefan NA4 meeting of ACTRIS FP Trace gases (VOCs and NO_{xy}) in ACTRIS, Dübendorf, 06-02 to 06-04 ■</p>
<p>Reimann, Stefan Findings of the new UNEP/WMO Ozone Assessment. InGOS annual meeting, Florence, IT, 10-14 to 10-16 🍄 ○</p>
<p>Reimann, Stefan Greenhouse gas analyses at global background stations. HIGHGAS Stakeholder meeting, Paris, FR, 11-13 🍄 ○</p>
<p>Reimann, Stefan, Brunner Dominik, Vollmer Martin K., Henne Stephan Abschätzung der Emissionen von halogenierten Treibhausgasen, basierend auf Ergebnissen der Messstation Jungfrauoch. Klimarelevante Spurengase und Aerosole NABEL-Tagung (2014), Dübendorf, 01-16 🍄 ○</p>
<p>Reimann, Stefan, Brunner Dominik, Vollmer Martin K., Steinbacher Martin, Henne Stephan Non-CO₂ greenhouse gas measurements for trend analysis and international protocols. Spawning the Atmosphere Measurements of Jungfrauoch, Schneefernerhaus and Sonnblick, Bern, 01-22 to 01-23 🍄 ○</p>
<p>Reimann, Stefan, Brunner Dominik/ Vollmer Martin K./ Henne, Stephan, Maione Michela/ Arduini Igor Real-World Verification of Methyl Bromide (3Br) Phase-Out in Europe and its partial replacement with sulfurly fluoride (SO₂F₂). AGU, San Francisco, US, 12-15 to 12-19 ◆</p>
<p>Reimann, Stefan, O'Doherty Simon, Laube Johannes, Engel Andreas, Maione Michela, Schmidbauer Norbert, K. Vollmer Martin European halocarbon measurements performed within InGOS: from innovation to routine observations. InGOS annual meeting, Florence, IT, 10-14 to 10-16 🍄</p>
<p>Reimann, Stefan, O'Doherty Simon, Laube Johannes, Engel Andreas, Maione Michela, Schmidbauer Norbert, Vollmer Martin K. European halocarbon measurements performed within InGOS: from innovation to routine observations. NCGG-7, Amsterdam, NL, 11-05 to 11-07 🍄</p>
<p>Reimann, Stefan, Plass-Dülmer Christian WP4: Trace gases networking: Volatile organic carbon and nitrogen oxides (NA4). ACTRIS 3rd general meeting, Clermont-Ferrand, FR, 06-10 to 06-13 🍄 ○</p>
<p>Reimann, Stefan, Plass-Dülmer Christian VOC Measurement Guidelines – from ACTRIS Drafts to GAW Recommendations. The 5th GAW expert meeting on VOCs, Draft programme, Daejeon, KR, 10-20 to 10-22 🍄</p>
<p>Reimann, Stefan, Plass-Dülmer Christian, Werner Anja, Hoerger Corinne VOC Measurement Guidelines – from ACTRIS Drafts to GAW Recommendations. The 5th GAW expert meeting on VOCs, Daejeon, KR, 10-20 to 10-22 🍄</p>
<p>Steinbacher, Martin GAW station Jungfrauoch – measurement programme and activities. Kick-off meeting Virtual Alpine Observatory II SP I/02 Trends of climate forcing gases and aerosols and spatio-temporal deposition of persistent organic pollutants (POPs), Munich, DE, 05-12 🍄</p>
<p>Steinbacher, Martin, Schwarzenbach Beat NO_x measurements at Jungfrauoch and Rigi. ACTRIS VOCs/NO_x Workshop, Dübendorf, 06-02 to 06-05 🍄</p>
<p>Steinbacher, Martin, Schwarzenbach Beat NO_x measurements at Jungfrauoch and Rigi in 2013. ACTRIS VOCs/NO_x Workshop, Juelich, DE, 11-26 to 11-28 🍄</p>
<p>Steinbacher, Martin, Zellweger Christoph/König Sebastian/Long Duong Hoang/Torres Gaston/Buchmann Brigitte Improving the Spatial Coverage of Continuous Trace Gas Observation Capacities within the Global Atmosphere Watch Programme. 13th Quadrennial iCACGP (international Commission on Atmospheric Chemistry and Global Pollution) Symposium / 13th IGAC (International Global Atmospheric Chemistry) Scientific Conference on Atmospheric, Natal, BR, 09-22 to 09-26 ◆</p>
<p>Tuzson, Béla High precision methane isotope measurements by laser spectroscopy.. AGAGE 49, Ascona, 04-27 to 05-02 🍄</p>
<p>Tuzson, Béla, Jana Jágerská, Markus Mangold, Joachim Mohn, Herbert Looser, Lukas Emmenegger Frontiers of mid-IR Direct Absorption Laser Spectroscopy: Applications, Advances and Outlook. International Quantum Cascade Lasers School & Workshop (IQCLSW), Policoro, IT, 09-07 to 09-12 🍄 ○</p>
<p>Tuzson, Béla, Joachim Mohn, Jana Jágerská, Markus Mangold, Lukas Emmenegger Spectroscopy Down to ppt Levels: The Technology for High Quality Atmospheric Measurements. WORKshop on Infrared Technologies, Olching, DE, 11-10 to 11-11 🍄</p>

Air Pollution/ Environmental Technology

Tuzson, Béla, Markus Mangold, Milan Fischer, Andreas Hugli, Herbert Looser, Rolf Brönnimann, Albert Kunz, Lukas Emmenegger

Portable, high precision laser spectrometer based on versatile cell design and low-power intermittent QCL driving. FLAIR 2014, Florence, IT, 05-05 to 05-09 ♣

Tuzson, Béla, Patrick Sturm, Stephan Henne, Lukas Emmenegger

Fifth anniversary of continuous isotope ratio measurements of tropospheric CO₂ by QCLAS. 20 Years of Quantum Cascade Laser Anniversary Workshop, Zürich, 01-16 to 01-17 ♦

Vollmer, Martin

Laboratory Air Pollution/Environmental Technology Research Seminar, Empa, 02-03 to 12-30

Vollmer, Martin

Observations of Greenhouse Gases from Jungfraujoch, Switzerland. Symposium on Atmospheric Chemistry and Physics at Mountain Sites, Steamboat Springs, CO, US, 08-11 to 08-15 ♣

Vollmer, Martin

Trace Gases at Mountain Sites. Symposium on Atmospheric Chemistry and Physics at Mountain Sites, Steamboat Springs, CO, US, 08-11 to 08-15 ○

Vollmer, Martin K.

F-Gas Session. 7th NCGG Conference, Amsterdam, NL, 11-05 to 11-07

Vollmer, Martin K., Stefan Reimann, Matthias Hill, Dominik Brunner

Fourth Generation Synthetic Trace Gases in the Atmosphere: HFC-1234yf, HFC-1234ze(E), and HCFC-1233zd(E). AGAGE meeting, La Jolla, California, US, 12-07 to 11-13 ♣

Vollmer, Martin K., Tae Siek Rhee, Matt Rigby, Doris Hofstetter, Matthias Hill, Fabian Schoenenberger, Stefan Reimann

Modern Inhalation Anesthetics --- Potent Greenhouse Gases in the Atmosphere. NCGG Conference, Amsterdam, NL, 11-05 to 11-07 ♣

Vollmer, Martin, Rhee, T. S., Rigby, M., Schoenenberger, F., Hill, M., Reimann, S.

Modern inhalation anesthetics in the global atmosphere. AGAGE 49 meeting, Ascona, 04-27 to 05-02 ♣

Zellweger, Christoph, Buchmann Brigitte/Steinbacher Martin/Emmenegger Lukas

CO measurement techniques and WCC-Empa audits. WMO/GAW Scientific Advisory Group – Reactive Gases Meeting, Daejeon, KR, 10-22 to 10-24 ♣

Zellweger, Christoph, Steinbacher Martin, Emmenegger Lukas, Buchmann Brigitte

Recent Developments at the World Calibration Centre WCC-Empa. 6th Asia-Pacific GAW Workshop on Greenhouse Gases, Daejeon, KR, 10-20 to 10-22 ♣

Zeyer, Kerstin

Stable Isotope Ecology-Workshop at ETH, Zürich ETH, 01-20 to 01-24 ♣

Gute, Ellen, Harris Eliza, Henne Stephan, Emmenegger Lukas, Mohn Joachim, Six Johan

Regional N₂O source identification via isotope measurements and model calculations. ETH PhD Symposium, Einsiedeln, 10-09 to 10-10 ♦

Analytical Chemistry

Arbelo Peña, Yunieski

Ultrafast detector for XUV-pulse-driven photoelectron spectroscopy. International Conference on Plasma Physics, Lisbon, PT, 09-15 to 09-19 ♦

Bahk, Yeon Kyoung, Gitsis Emmanouil, Wang Jing

Characterization and multiple path particle dosimetry model calculation of airborne MWCNTs. International Aerosol Conference 2014, Busan, KR, 08-28 to 09-02 ♣

Bleiner, Davide

Short-Wavelength Plasma Radiation for Table-top Nano-Inspection. International Conference on Plasma Physics, Lisbon, PT, 09-15 to 09-19 ♣

Brem, Benjamin, Durdina Lukas, Liati Anthi, Wichser Adrian, Rindlisbacher Theo, Wang Jing

Thrust Dependent Metal Particle Emissions from an Aircraft Gas Turbine Source. Aerosol Technology Conference 2014, Karlsruhe, DE, 06-16 to 06-18 ♣

Brem, Benjamin, Durdina Lukas, Suri Alice, Rindlisbacher Theo, Siegerist Frithjof, Wang Jing

Variability in non-volatile particulate matter mass and number emissions of aircraft gas turbine engines: a piggy-back study. 18th ETH-Conference on Combustion Generated Nanoparticles, Zürich, 06-22 to 06-25 ♣

Diefenbacher, Pascal, Bogdal Christian, Gerecke Andreas, Schmid Peter, Scheringer Martin, Hungerbühler Konrad

Emission source strength of PCBs in Zurich: A combination of long-term measurements and modeling. 34th International Symposium on Halogenated Persistent Organic Pollutants (Dioxin 2014), Madrid, ES, 08-31 to 09-05 ♣

Durdina, Lukas, Brem Benjamin, Abegglen Manuel, Sierau Berko, Wang Jing

Improved determination of soot PM emissions from aircraft turbine engines using effective density. 18th ETH-Conference on Combustion Generated Nanoparticles, Zürich, 06-22 to 06-25 ♦

Durdina, Lukas, Brem Benjamin, Wang Jing

Techniques for estimation of non-volatile particulate matter mass in aircraft turbine engine exhaust. Aerosol Technology Conference 2014, Karlsruhe, DE, 06-16 to 06-18 ♣

Figli, Renato, Nagel Oliver, Hagendorfer Harald, Schreiner Claudia

Quantitative Bestimmung von Hg in Fluoreszenz-Leuchten. Eine Herausforderung. Plattformtagung der Kantone für die Marktkontrolle, Bern, 03-11 ♣ ○

He, XuBak Yeon Kyoung, Wang Jing

Comparison between Electrical Mobility Based Aerosolization Technique and Spectrophotometry in the Measurement of Filtration Efficiency of Liquid-borne CNTs. Aerosol Technology Conference 2014, Karlsruhe, DE, 06-16 to 06-18 ◆

Heeb, Norbert

Catalysis – a key property of filters to lower emissions of genotoxic compounds. 5th VERT Forum on Evolution of Diesel Particle Filter- and deNO_x Technologies, Dübendorf, 03-21 ♣ ○

Heeb, Norbert

Catalysis – a key property of filters to lower emissions of genotoxic compounds. 18th ETH Conference on Combustion Generated Nanoparticles, Zürich, 06-22 to 06-25 ♣ ○

Hess, Adrian, Losert Sabrina, Tarik Mohamed, Ludwig Christian

On-Line SMPS-ICPMS Coupling for Simultaneous Analysis of Nanoparticles Concerning Size Distribution and Elemental Composition. 18th ETH Conference on Combustion Generated Nanoparticles, ETH Zürich, 06-22 to 06-25 ♣

Hess, Adrian, Losert Sabrina, Tarik Mohamed, Ludwig Christian

On-Line Analysis of Airborne Nanoparticles Concerning Size Distribution and Elemental Composition Using SMPS-ICPMS Coupling. 2014 International Aerosol Conference, Busan, KR, 08-28 to 09-02 ♣

Kuo, Yu-ying, Bruno Francesca, Wang Jing

Filtration performance of electrospun nylon-6 membrane containing ultrathin nanofibers. International Aerosol Conference 2014, Busan, KR, 08-28 to 09-02 ♣

Losert, Sabrina, Bendixen Nina, Hungerbühler Konrad, Hagendorfer Harald

Membrane-particle interactions in asymmetric flow field flow fractionation (A4F). Analytica 2014, München, DE, 04-01 to 04-04 ◆

Losert, Sabrina, Bendixen Nina, Hungerbühler Konrad, Hagendorfer Harald

Membrane-particle interactions in asymmetric flow field flow fractionation (A4F). BNASS 2014, Aberdeen Schottland, GB, 08-31 to 09-04 ◆

Losert, Sabrina, Hess Adrian, Ilari Gabriele, von Goetz Natalie, Hungerbühler Konrad

Analytical strategies for characterization of nanoparticle release from commercial spray products. BNASS 2014, Aberdeen Schottland, GB, 08-31 to 09-04 ◆

Masoudnia, Leili

Optimum Pump Pulse Timing for X-ray Ar-Plasma. International Conference on Plasma Physics, Lisbon, PT, 09-15 to 09-19 ◆

Pavlova, Pavlina, Schmid Peter, Bogdal Christian, Lüthi Martin P., Scheringer Martin

Effect of melting on redistribution and release of PCBs from Alpine glaciers. Dioxin 2014, Madrid, ES, 08-31 to 09-05 ♣

Ruiz Lopez, Mabel

Actinic Metrology of the Schwarchild Objective by using Waverfront Sensor. International Conference on Plasma Physics, Lisbon, PT, 09-15 to 09-19 ◆

Schmid, Peter, Bogdal Christian, Haag Regula, Azara Valeria, von Arx Urs

Releases of hexachlorobenzene and other POPs from fireworks. Dioxin 2014, Madrid, ES, 08-31 to 09-05 ♣

Sukiene, Vilma, von Götz Natalie, Gerecke Andreas Christian, Hungerbühler Konrad

Measurement of the transfer of SVOCs from consumer products to house dust. International Society of Exposure Science 24th Annual Meeting, Cincinnati, US, 10-12 to 10-16 ♣ ○

Wang, Jing

Release of nanomaterials into the environment: examples from nanocomposites to aircraft engines. International Aerosol Conference 2014, Busan, KR, 08-28 to 09-02 ♣ ○

Wang, Jing

Carbon nanotubes: from application in nanocomposites to toxicity and emission control. Seminar at the Pusan National University, Busan, KR, 09-02 ♣ ○

Wang, Jing

Respirator protection against carbon nanotubes and application of ultrathin nanofiber filters. Forum on Advanced Textile Materials and Processing – "Novel Textile Material on Environmental Protection", Beijing, CN, 10-19 ♣ ○

Zennegg, Markus

ISEAC38, Lausanne, 06-17 to 06-20 ■

Zennegg, Markus

High PCB contamination detected in cattle from extensive farming in Switzerland. Dioxin 2014, Madrid, ES, 08-31 to 09-05 ♣

Zennegg, Markus

High PCB contamination detected in cattle from extensive farming in Switzerland. XeRR (Center for Xenobiotic Risk Research), Universität Zürich, 11-28 ♣

Bonk, Alexander, Felix Kandsorra, Michal Gorbar, Ulrich F. Vogt, Aldo Steinfeld, Andreas Züttel

Production of Solar Fuels from Solar Thermochemical RedOx Cycles. Verfahrenstechnischer Tag, Hochschule Bremerhaven, DE, 2012-10-18 ♣ ○

Bonk, Alexander, Ulrich F. Vogt, Aldo Steinfeld, Andreas Züttel

CeO₂ based Ceramics for Syngas production by Solar Driven Thermochemical Cycles. WMRIF Young Scientist Workshop, National Institute of Standards and Technology (NIST), Boulder, CO, US, 09-08 to 09-10 ♣

Bonk, Alexander, Ulrich Vogt, Aldo Steinfeld, Andreas Züttel

Production of Synthetic Fuels utilizing Ceria based Thermochemical Cycles. European Materials Research Society, Lille, FR, 05-26 to 05-30 🌿

Bonk, Alexander, Ulrich Vogt, Aldo Steinfeld, Andreas Züttel

CeO₂-based ceramic foams for syngas production by a solar driven redox cycle. 13th International Ceramics Congress, CIMTEC, Montecatini Terme, IT, 06-09 to 06-13 🌿

Borgschulte, Andreas

A ten years' time travel through the research on hydrogen storage. Final meeting of the ACTS Hydrogen program, Ede, NL, 2013-11-25 to 2013-11-26 🌿 ○

Borgschulte, Andreas

Aktueller Stand Power-to-Gas in der Schweizer Forschung. Expertengespräche Power-to-gas, HSR Rapperswil, 05-13 🌿 ○

Borgschulte, Andreas

Raman and Infrared Spectroscopy Studies of Metal Hydrides. Summer Experimental school on the characterisation of hydrogen-material interactions, University Salford, University Salford, GB, 07-17 to 07-20 🌿 ○

Borgschulte, Andreas

Femtosecond Spectroscopy on Complex Hydrides. 14th International Symposium on Metal-Hydrogen Systems, Manchester, GB, 07-20 to 07-25 🌿

Borgschulte, Andreas

Energiespeicherung – wer hat das Ei des Kolumbus? Ökologie zwischen Politik und Wirtschaft, Hochschule Luzern Technik & Architektur, Horw, 09-02 🌿 ○

Borgschulte, Andreas

Methanisierung von CO₂ mittels heterogener Katalyse. Forum Energieforschung – Trends in der Methanisierung, ZHAW, Campus Technikumstrasse, Winterthur, 09-03 to 11-03 🌿 ○

Borgschulte, Andreas

Künstliches Erdgas aus überschüssigem Strom. Gas- und Wasserfachtagung vom 11. September 2014 in Biel, Biel, 09-11 🌿 ○

Borgschulte, Andreas

Speicherung von Alternativenergien – Gas aus überschüssigem Strom. Politikeranlass Elektrizitätswerk des Bezirks Schwyz AG, 6431 Schwyz, 09-16 🌿 ○

Borgschulte, Andreas, Callini Elsa / Arroyo Yarida / Erni Rolf / Geerlings Hans / Züttel Andreas

Nano- energy converters. 3rd European Conference on NanoFilms & AI-NanoFunc Final Conference: Microstructural and chemical characterization in the nano-scale, Sevilla, ES, 07-07 to 07-11 🌿

Callini, Elsa, Borgschulte Andreas/Kato Shunsuke/Züttel Andreas

Interface Reactions Influence the Reaction Path of Hydride Composite. CIMTEC2014, 6th Forum on Materials, Montecatini Terme, IT, 06-15 to 06-20 🌿 ○

Callini, Elsa, Stadie Nicholas, Borgschulte Andreas, Züttel Andreas

Analysis of spontaneous dehydrogenation reactions. MRS Fall Meeting 2013, Boston, US, 2013-12-05 to 2013-12-09 ◆

Callini, Elsa, Stadie Nicholas, Delmelle Renaud, Hosoglu Fadime, Borgschulte Andreas, Züttel Andreas

Spontaneously Dehydrogenation Reactions. 8th International Symposium Hydrogen & Energy, Zioquang, CN, 02-14 to 02-21 🌿

Callini, Elsa, Stadie Nicholas/Borgschulte Andreas/Züttel Andreas

Spontaneous Dehydrogenation reactions. Seminar to Curtin University, Perth, AU, 04-09 🌿 ○

Callini, Elsa, Stadie Nicholas/Borgschulte Andreas/Züttel Andreas

Spontaneous Dehydrogenation reactions. Seminar at Curtin University, Perth, AU, 04-09 🌿 ○

Callini, Elsa, Stadie Nicholas/Borgschulte Andreas/Züttel Andreas

Spontaneous Dehydrogenation reactions. Seminar Tohoku University, Sendai, JP, 10-07 🌿 ○

Callini, Elsa, Szilágyi Petra/Paskevicius Mark/Stadie Nicholas/Rehault Julien/Buckley Craig/Jena

Puru/Ramirez-Cuesta A.J./Borgschulte Andreas/Züttel Andreas
Spontaneous Dehydrogenation reactions. International Symposium on Metal-Hydrogen Systems MH2012, Manchester, GB, 07-20 to 07-25 🌿 ○

Delmelle, Renaud, Gehrig Jeffrey, Callini Elsa, Stadie Nicholas, Hosoglu Fadime, Borgschulte Andreas, Züttel Andreas

Rethinking high-pressure X-ray photoelectron spectroscopy for the study of hydride-forming materials. 8th international symposium on hydrogen and energy, Zioquang, CN, 02-16 to 06-21 🌿

Delmelle, Renaud, Gehrig Jeffrey, Callini Elsa, Stadie Nicholas, Hosoglu Fadime, Borgschulte Andreas, Züttel Andreas

Rethinking high-pressure X-ray photoelectron spectroscopy for the study of hydride-forming materials. 8th international symposium on hydrogen and energy, Zioquang, CN, 02-16 to 06-21 🌿

Delmelle, Renaud, Gehrig Jeffrey/Borgschulte Andreas/Züttel Andreas

Closing the pressure gap in X-ray photoelectron spectroscopy for the study of hydride-forming compounds. 14th International Symposium on Metal-Hydrogen Systems, Manchester, GB, 07-20 to 07-25 🌿

Delmelle, Renaud, Probst Benjamin/Borgschulte Andreas/Alberto Roger/Züttel Andreas

Water reduction catalyst under realistic hydrogen pressures studied by in-situ X-ray photoemission spectroscopy.. Symposium and Summer School LightChEC 2014, Les Diablerets, 09-09 to 09-12 ◆

■ Organisation

🌿 Lecture

◆ Poster

○ invited

Hosoglu, Fadime, Borgschulte Andreas, Züttel AndreasEffect of the promoter catalyst to catalytic hydrogenation of CO₂. ToCAT Kyoto, Kyoto, JP, 05-31 to 06-06 ◆**Huang, Jianmei, Ouyang Liuzhang, Zhu Min, Züttel Andreas**Zr(BH₄)₄·8NH₃: A Novel Compound for Hydrogen Storage. Look closer – PhD student's symposium 2014, Empa, St. Gallen, 10-21 ◆**Mauron, Philippe, M. Gaboardi, D. Sheptyakov, M. Riccò, A. Remhof, A. Züttel**

Hydrogen Sorption in Metal Intercalated Fullerenes. 14th International Symposium on Metal-Hydrogen Systems, The Lowry, Manchester, GB, 07-20 to 09-25 ◆

Remhof, Arndt

Structure and Dynamics of Novel Energy Materials. SGK/SSCr Annual Meeting 2014, Modern Crystallography in Applied Research, Empa Akademie, Dübendorf, 09-08 🍷 ○

Remhof, Arndt

Structure and Dynamics of Novel Energy Materials. Colloquium, Dept. of Chemistry, Aarhus University, Denmark, DK, 10-23 🍷 ○

Remhof, Arndt, Arndt Remhof, Pascal Martelli, Yigang Yan, Andreas Züttel, Timmy Ramirez-Questa, Jan Peter Embs, Peter Ngene, Petra de Jongh, Zbigniew LodzianaHydrogen Dynamics in LiBH₄: Bulk, I-doped and nanoconfined. Cracow's meeting on future materials and methods related to energy, Polish Academy of Sciences, Krakow, PL, 04-02 to 04-03 🍷 ○**Remhof, Arndt, Yan Yigang, Rentsch Daniel, Züttel Andreas**

Dodecaborate free decomposition of borohydrides. 14th International Symposium on Metal-Hydrogen Systems, Manchester, GB, 09-20 to 09-25 ◆

Remhof, Arndt, Yan Yigang, Rentsch Daniel, Züttel Andreas, Lee Young-Su, Cho Young Whan, Lodziana Zbigniew

Borohydrides: New Insights from NMR. 8th International Symposium Hydrogen & Energy, Xinghu Dadao, Zhaoqing, CN, 02-16 to 02-21 🍷

Remhof, Arndt, Yan Yigang, Züttel Andreas, Ramirez-Cuesta Timmy, Embs Jan Peter, Ngene Peter, de Jongh Petra, Lodziana Zbigniew

Hydrogen dynamics in complex hydrides. QENS 2014 / WINS 2014, Autrans, FR, 05-11 to 05-16 🍷 ○

Remhof, Arndt, Zbigniew Lodziana

Ion mobility in lightweight compounds for energy storage. Conference Polish-Swiss Research Programme, Warsaw, PL, 04-07 to 04-08 🍷

Schlupp, Meike V. F., Kim Ji Woo, Brevet Aude, Rado Cyril, Couturier Karine, Vogt Ulrich, Lefebvre-Joud Florence, Züttel Andreas

Microstructural and chemical characterization of chromium transport from interconnects in intermediate temperature solid oxide electrolysis (IT-SOE). 11th European Fuel Cell Forum, Luzern, 07-01 to 07-04 🍷

Stadie, Nicholas

Thermodynamics of High Pressure Hydrogen and Methane Physisorption. Department Seminar, University of Bath, GB, 01-22 🍷 ○

Stadie, Nicholas

Zeolite-Templated Carbon: Optimized Nanosurfaces for Gas Storage. Gordon Research Seminar on Graphitic Carbon Materials, Bates College, US, 06-14 to 06-15 🍷 ○

Stadie, Nicholas

Zeolite-Templated Carbon: Optimized Nanosurfaces for Methane Storage. Gordon Research Conference on Graphitic Carbon Materials, Bates College, US, 06-15 to 06-20 ◆

Stadie, Nicholas, Andreas Borgschulte, Andreas Züttel

Equilibrium Flow Measurements: A New Apparatus. Bor4Store Project Meeting, Prague, CZ, 10-14 to 10-16 🍷

Stadie, Nicholas, Callini Elsa, Delmelle Renaud, Borgschulte Andreas, Züttel AndreasThe Mystery of Diborane Evolution During the Decomposition of ?-Mg(BH₄)₂. Hydrogen & Energy Symposium, OYC Hotel, Zhaoqing, CN, 02-16 to 02-21 🍷**Stadie, Nicholas, Callini Elsa, Richter Bo, Jensen Torben, Borgschulte Andreas, Züttel Andreas**Supercritical N₂ Processing and the Origin of Diborane Evolution in ?-Mg(BH₄)₂. Bor4Store Project Meeting, NCSR, Athens, GR, 03-31 to 04-01 🍷**Stadie, Nicholas, Elsa Callini, Andreas Borgschulte, Andreas Züttel**Supercritical N₂ Processing: the Route to Clean Hydrogen from Porous ?-Mg(BH₄)₂. MH2014 Conference on Metal Hydrogen Systems, Salford, GB, 07-21 to 07-25 ◆**Vogt, Ulrich**

DLR Stuttgart, Kolloquium Keramik für Energietechnik, 8.4.2014, Stuttgart, DE, 04-08 ■

Vogt, Ulrich

FP7-H2FC Infrastructure, Consortium Meeting, Brüssel, BE, 05-06 to 05-07 ■

Vogt, Ulrich

Empa Führungsseminar, Meilen, 05-13 to 05-14 ■

Vogt, Ulrich

13th N.ERGHY GENERAL ASSEMBLY, Sofia, BG, 05-19 to ■

Vogt, Ulrich

EFCF European Fuel Cell Forum, Luzern, 07-02 to 07-04 ■

Vogt, Ulrich Festkolloquium zum 50 Jährigen Bestehen der Kristallographie, Freiburg, DE, 10-31 ■
Vogt, Ulrich Festkolloquium zum 50 Jährigen Bestehen der Kristallographie, Freiburg, DE, 10-31 ■
Vogt, Ulrich Solar Thermochemical Syngas Production by a CeO ₂ based Redox Cycle. COST CM1104 General Meeting, Barcelona, Nov. 11-14, 2014, Barcelona, ES, 11-11 to 11-14 🍀 ○
Vogt, Ulrich F., Bonk Alexander, Fernandez Asunción, Steinfeld Aldo, Zuetzel Andreas Ceramic Foams for Energy Related Applications. CIMTEC 2014, 13th International Ceramics Congress, Montecatini Terme, IT, 06-08 to 06-13 🍀 ○
Vogt, Ulrich F., Bonk Alexander, Fernandez Asunción., Steinfeld Aldo, Zuetzel Andreas Catalytic Hydrogen Combustion on Pt coated SiC Ceramics. ECNF, 3rd European Conference on Nano Films, Sevilla, ES, 07-07 to 07-11 🍀 ○
Vogt, Ulrich, Burnat Dariusz Joint NOW-F JU Water Electrolysis Day, Fuel Cells and Hydrogen Joint Undertaking, Brussels, BE, 04-03 ■
Vogt, Ulrich, Schlupp Meike, Burnat Dariusz, Züttel Andreas Development and characterization of gas separation membranes for alkaline water electrolysis. 8th International Symposium "Hydrogen & Energy", Zhaoqing, CN, 02-16 to 02-21 🍀
YAN, Yigang, Arndt Remhof, Andreas Züttel Nanotechnology: Bring Hydrogen Technology to Reality. Crakow Meeting on Future Materials and Methods Related to Energy, Cracow, PL, 04-01 to 04-03 🍀 ○
Yan, Yigang, Arndt Remhof, Daniel Rentsch, Andreas Züttel Synthesis and Stability of Dodecaborates M(B ₁₂ H ₁₂) _n (M = Mg, Y). 14th International Symposium on Metal-Hydrogen Systems, The Lowry, Manchester, GB, 07-20 to 09-25 ◆
Yan, Yigang, Arndt Remhof, Zbigniew Lodziana, Andreas Züttel Nanotechnology: Bring Hydrogen Technology to Reality. 2nd International Conference on Clean Energy (ICCES2), Qingdao, CN, 04-13 to 04-16 🍀 ○
Züttel, Andreas Closing the cycle with Hydrogen. Institut des Sciences et Ingenierie Chimiques, Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne, 2013-11-26 🍀 ○
Züttel, Andreas Energy Storage. Schweizerische Akademie der Techn. Wissenschaften, ETH, Zürich, 2013-12-02 🍀
Züttel, Andreas Closing the cycle with Hydrogen. 8th Int. Symposium Hydrogen & Energy, Guangdong, CN, 02-16 to 02-21 🍀 ○
Züttel, Andreas 8th international symposium on hydrogen and energy, Zioquang, CN, 02-16 to 06-21 ■ ○
Züttel, Andreas Closing the cycle with Hydrogen. Workshop Energy Technologies-Energy Policies, Gstaad, 03-09 to 03-12 🍀 ○
Züttel, Andreas Energy Turnaround. Board of WEKA AG, Bäretswil, 05-20 🍀 ○
Züttel, Andreas The Potentials and Limitations of Hydrogen Storage. CIMTEC 2014 6th Forum on New Materials Symposia, Montecatini, IT, 06-18 🍀 ○
Züttel, Andreas Hydrogen in Solids. H ₂ FC Summer school, Crete, GR, 06-26 🍀 ○
Züttel, Andreas The Potentials and Limitations of Hydrogen Storage. 3rd European Conference on nanofilms & Al-NanoFunc Final Conference, Seville, ES, 07-07 to 07-11 🍀 ○
Züttel, Andreas Hydrogen in materials: Fundamentals and Applications. University of Salford Summer school, Manchester, GB, 07-17 🍀 ○
Züttel, Andreas Hydrogen in Metals / Metalhydrides. Summer school, University of Salford, Manchester, GB, 07-17 🍀 ○
Züttel, Andreas HYDROGEN the basis of a sustainable energy economy. 14th. Int. Symposium on Metal-Hydrogen Systems, Manchester, GB, 07-21 🍀 ○
Züttel, Andreas Hydrogen the basis of a sustainable energy economy. AlpStore Autumn School, Università della Svizzera italiana, Lugano, 10-08 to 10-09 🍀 ○
Züttel, Andreas Die Rolle des Wasserstoffs in der Energiewende. Technische Gesellschaft Zürich ETHZ, Zürich, 10-20 🍀 ○
Züttel, Andreas Hydrogen as the basis of a sustainable energy economy. Johannes Kepler University, Linz, AT, 10-23 🍀 ○

Bach, Christian

Fuel consumption and emissions investigation on a passenger car, operated with natural gas – hydrogen mixtures. International Gas Research Conference – IGRC 2014, Copenhagen, DK, 09-17 to 09-19 🍄

Bach, Christian

Energetische Bewertung von Automobilantrieben. Jahrestagung der Schweizerischen Studiengesellschaft für Motorbetriebsstoffe SSM, Sursee, 09-25 🍄 ○

Bach, Christian

Jahrestagung der Schweizerischen Studiengesellschaft für Motorbetriebsstoffe SSM, Sursee, 09-25 ■

Bütler, Thomas

Methods for determining the influence of different oil viscosities on the friction of an internal combustion engine. VSS/Swiss Tribology Technical Meeting, Empa Academy, Dübendorf, 04-30 🍄 ○

Dimopoulos Eggenschwiler, Panayotis, Spiteri Alexander, Liao Yujun

Comparison of Pressure and Air-Assisted Atomizers for Urea-SCR Injection in Diesel Engine Exhaust. 14. Internationale Stuttgarter Symposium Automobil- und Motorentechnik, Stuttgart, DE, 03-18 to 03-19 🍄

Kammermann, Thomas, Kreutner Wolfgang, Soltic Patrik, Bach Christian

Spark-Induced Emission Spectroscopy. SCCER Mobility Annual Conference, ETHZ, 09-11 ◆

Liati, Anthi, Dimopoulos Eggenschwiler Panayotis, Schreiber Daniel

Electron microscopic analysis of metal-bearing particle emissions from diesel engines. 17th ETH-Conference on Combustion Generated Nanoparticles, Zurich, 06-23 to 06-26 🍄

Soltic, Patrik

Defining road and rail vehicles with a low environmental footprint. Eureka Project Ecovehicle E ! 7219 workshop, Empa Akademie, 10-14 🍄 ○

Soltic, Patrik

PW – Lösungen und Potentiale. 25 Jahre Hybrid-Feldversuch ETH, Rückblick und Ausblick, ETHZ, 11-20 🍄 ○

Spiteri, Alexander, Dimopoulos Eggenschwiler Panayotis

Untersuchung der Strömungsphänomene bei der Harnstoff-Einspritzung in SCR-Systemen. VDI-Fachkonferenz Abgasnachbehandlungssysteme, Frankfurt VDI-Wissensforum, DE, 10-28 to 10-29 🍄 ○

Galazka, Krzysztof, Populoh Sascha, Sagarna Leyre, Karvonen Lassi, Xie Wenjie, Beni Alessandra, Schmutz Patrik, Hulliger Jürg, Weidenkaff Anke

Phase stability and oxidation of thermoelectric (Ti_{0.33}Zr_{0.33}Hf_{0.33})NiSn half-Heusler compound investigated by various microscopic methods. E-MRS 2014 Fall Meeting, Symposium H, Warszawa, PL, 09-15 to 09-19 🍄

Galazka, Krzysztof, Populoh Sascha, Sagarna Leyre, Karvonen Lassi, Xie Wenjie, Beni Alessandra, Schmutz Patrik, Hulliger Jürg, Weidenkaff Anke

Phase stability and oxidation of the thermoelectric (Ti_{0.33}Zr_{0.33}Hf_{0.33})NiSn half-Heusler compound. E-MRS 2014 Fall Meeting, Symposium H, Warszawa, PL, 09-15 to 09-19 ◆

Karvonen, Lassi, Duraki Bahir, Yoon Songhak, Pokrant Simone, Weidenkaff Anke

Controlled Topotactic Synthesis of the Layered [Sr₂O₂]qCoO₂. ISRS-18 – 18th International Symposium on the Reactivity of Solids, St. Petersburg, RU, 06-09 to 06-13 ◆

Karvonen, Lassi, Duraki Bahir, Yoon Songhak, Pokrant Simone, Weidenkaff Anke

Chemical Composition of the [Sr₂O₂]qCoO₂ Misfit-Layered Cobalt Oxide Determined using TGA-MS. ESTAC11 – the 11th European Symposium on Thermal Analysis and Calorimetry, Espoo, FI, 08-17 to 08-21 ◆

Landmann, Steve, Maegli Alexandra, Trottmann Matthias, Weidenkaff Anke, Pokrant Simone

Towards Tailor-Made Solar Water Splitting catalysts: Morphological Control of LaTiO₂N Particles and co-Catalyst Loading. IPS-20: 20th International Conference on Photochemical Conversion and Storage of Solar Energy, Berlin, DE, 07-27 to 08-01 ◆

Landmann, Steve, Trottmann Matthias, Luo Jingshan, Tilley David, Pokrant Simone, Graetzel Michael, Weidenkaff Anke

TANDEM – Two Absorber Nanostructured DEvice Module for direct solar water splitting. Nanotera -Annual Plenary Meeting, Lausanne, 05-20 ◆

Matam, Santhosh Kumar

4th INTERNATIONAL SYMPOSIUM OF INTERMETALLIC COMPOUNDS IN CATALYSIS, Santa Margherita, IT, 04-07 to 04-09 ○

Matam, Santhosh Kumar, Kuc Jagoda, Neumann Matthias, Armbrüster Marc, Yoon Songhak, Weidenkaff Anke

Methanol steam reforming on Pd and Zn substituted LaCoO₃. ICEC: 8th International Conference on Environmental Catalysis, Asheville, US, 08-24 to 08-27 🍄

Matam, Santhosh Kumar, Kuc Jagoda, Neumann Matthias, Armbrüster Marc, Yoon Songhak, Weidenkaff Aanke

Studies on perovskite-type oxide LaCoO_{3±d} as methanol steam reforming catalyst: Effect of Pd and Zn substitution on the CO₂ selectivity. NSC 2014: The 16th NORDIC SYMPOSIUM ON CATALYSIS, OSLO, NO, 06-15 to 06-17 🍄

Matam, Santhosh Kumar, Kuc Jagoda, Neumann Matthias, Armbrüster Marc, Weidenkaff Anke

Methanol steam reforming over perovskite type oxide LaCoO_{3±d}: Effect of Co substitution with Pd and Zn on the CO₂ selectivity. 4th International Symposium of Intermetallic Compounds in Catalysis, Santa Margherita, IT, 04-07 to 04-09 🍄

Pokrant, Simone, Pokrant Simone, Cheynet Marie, Irsen Stephan, Maegli Alexandra, Erni Rolf
Mesoporosity in photocatalytically active oxynitride single crystals characterized by electron tomography, HREM, nanobeam diffraction and EELS. Topical Day imaging, Dübendorf, 09-22 🍀 ○

Pokrant, Simone, Pokrant Simone, Cheynet Marie, Irsen Stephan, Maegli Alexandra, Trottmann Matthias, Landsmann Steve
Tailoring morphology and co-catalyst loading of LaTiO₂N particles for solar water splitting. New Advances in Materials Research for solar fuel production, Montreal, CA, 06-24 to 06-27 🍀

Pokrant, Simone, Pokrant Simone, Cheynet Marie, Irsen Stephan, Maegli Alexandra, Erni Rolf
Mesoporosity in photocatalytically active oxynitride single crystals characterized by electron tomography, HREM, nanobeam diffraction and EELS. International Congress on Microscopy, Prag, CZ, 09-07 to 09-12 🍀

Populoh, Sascha
Waste heat recovery by thermoelectricity. 4th International Conference Thermal Management for EV/HEV 2014, Cologne, DE, 09-22 to 09-24 🍀 ○

Populoh, Sascha
Oral session Oxides. European conference on thermoelectrics, Madrid, ES, 09-24 to 09-26 ○

Populoh, Sascha
BFE Technology Briefing Thermoelectricity, Zürich, 12-02 ■

Populoh, Sascha, Galazka Krzysztof, Brunko Oliver, Xie Wenjie, Weidenkaff Anke
Improved performance of thermoelectric half-Heusler compounds. European Conference on thermoelectrics 2014, Madrid, ES, 09-24 to 09-26 🍀

Populoh, Sascha, Galazka Krzysztof, Thiel Philipp, Saucke Gesine, Sagarna Leyre, Brunko Oliver, Trottmann Matthias, Xie Wenjie, Weidenkaff Anke
Neue thermoelektrische Materialien zur Energierückgewinnung. VDI-Fachkonferenz "Thermische Rekuperation in Fahrzeugen", Nürtingen, DE, 03-31 to 04-01 🍀 ○

Simoes, Mario, Mettan Yoann, Pokrant Simone, Weidenkaff Anke
Surface modified lithiated H₂V₃O₈: a stable vanadate for cathodic application in lithium-ion batteries containing LiPF₆ electrolytes. MRS Spring Meeting 2014 Symposium N: Research Frontiers on Electrochemical Energy Storage Materials – Design, Synthesis, Characterization and Modeling. San Francisco, US, 04-21 to 04-25 🍀

Surace, Yuri, Simões Mário, Eilertsen James, Karvonen Lassi, Pokrant Simone, Weidenkaff Anke
Functionalization of Ca₂MnO_{4-d} by controlled calcium extraction: activation for electrochemical Li intercalation. Gordon Research Conference – Batteries Advances in Characterization, Analysis, Theory and Modeling of Basic Processes, Ventura (CA), US, 03-09 to 03-14 ◆

Surace, Yuri, Simões Mário, Eilertsen James, Karvonen Lassi, Pokrant Simone, Weidenkaff Anke
Functionalization of size controlled Ca₂MnO_{4-d} by calcium extraction: activation for electrochemical lithium intercalation. The 65th Annual Meeting of the International Society of Electrochemistry (ISE), Lausanne, 08-31 to 09-05 🍀

Surace, Yuri, Simões Mário, Karvonen Lassi, Yoon Songhak, Pokrant Simone, Battaglia Corsin, Weidenkaff Anke
Synthesis and characterization of Li₃MnO₄ for Li-ion batteries. Empa Ph.D Symposium 2014, St. Gallen, 10-21 ◆

Thiel, Philipp, Populoh Sascha, Saucke Gesine, Pirovino Gion, Funahashi Ryoji, Xie Wenjie, Weidenkaff Anke
Calcium-manganese oxides for thermoelectric conversion. 12th European Conference on Thermoelectrics, Madrid, ES, 09-23 to 10-24 🍀

Thiel, Philipp, Populoh Sascha, Saucke Gesine, Pirovino Gion, Funahashi Ryoji, Weidenkaff Anke
Manganese Oxides for Thermoelectric Power Conversion. 18th International Symposium on the Reactivity of Solids ISRS-18, St. Petersburg, RU, 06-09 to 06-13 🍀

Trottmann, Matthias, Brunko Oliver, Yoon Songhak, Pokrant Simone
Correlative Microscopy for Luminescent Pigments. IMC 2014, Prag, CZ, 09-08 to 09-12 ◆

Trottmann, Matthias, Pokrant Simone, Brunko Oliver, Yoon Songhak
Correlative Microscopy for Luminescent Pigments. Topical Day: Imaging and image analysis V, Empa, 04-08 🍀

Weidenkaff, Anke, Shopova Densita, Sagarna Leyre, Populoh Sascha, Karvonen Lassi, Xie Wenjie
Perovskite-Type Oxides and Oxynitrides for Thermoelectric Converters. Conference: Ceramics, Solid State Studies, Mount Holyoke College in South Hadley MA United St, US, 07-20 to 07-25 🍀 ○

Wencka, Magdalena, Bednarski Waldemar, Jaglicic Zvonko, Kuc Jagoda, Matam Santhosh
OXIDATION STATE AND CONFORMATION OF COBALT IN Pd- AND Zn- SUBSTITUTED LaCoO₃ – A NEW CATALYST FOR HYDROGEN PRODUCTION. III_Forum_EMR, PL, PL, 05-19 ◆

Yoon, Songhak, Otal Eugenio, Maegli Alexandra, Karvonen Lassi, Matam Santhosh, Ebbinghaus Stefan, Walfort Bernhard, Hagemann Hans, Pokrant Simone, Weidenkaff Anke
Improved Persistent Luminescence of CaTiO₃:Pr³⁺ by Fluorine Substitution and Thermochemical Treatment. 18th International Symposium on the Reactivity of Solids (ISRS-18), Saint-Petersburg, RU, 06-09 to 06-13 ◆

Yoon, Songhak, Trottmann Matthias, Hagemann Hans, Weidenkaff Anke, Pokrant Simone
The influence of boric acid on persistent luminescence of SrAl₂O₄:Eu²⁺. 17th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter (ICL2014), Wroclaw, PL, 07-13 to 07-18 ◆

Ahmadi Achachlouei, Mohammad, Hilty Lorenz
Modeling Rebound Effects in System Dynamics. 28th Conference on Informatics for Environmental Protection ("EnviroInfo"), Oldenburg, Carl von Ossietzky Universität, DE, 09-10 to 09-12 🍀

Ahmadi Achachlouei, Mohammad, Hilty Lorenz

The Effects of ICT on Environmental Sustainability: Revisiting a System Dynamics Model Developed for the European Commission. The 2nd International Conference on ICT for Sustainability (ICT4S), Stockholm, SE, 08-24 to 08-28 ♦

Böni, Heinz, Wäger Patrick/Thiébaud Esther/Figi Renato

Recycling of Scarce Metals from Waste Electrical and Electronic Equipment: Preliminary Results of a Swiss Project. World Resources Forum 2014, Arequipa, PE, 10-20 to 10-22 ♣ ○

Bornhöft, Nikolaus, Sun Tianyin/Hilty Lorenz/Nowack Bernd

Improving Environmental Flow Modelling for Exposure Assessment of Nanomaterials – Implications for a Time Dynamic Modelling Approach. SETAC Europe 24th Annual Meeting, Basel, 05-11 to 05-15 ♦

Caballero-Guzman, Alejandro, Tianyin Sun, Bernd Nowack

Flows of engineered nanomaterials through the recycling system in Switzerland. SETAC Europe 24th Annual Meeting, Basel, 05-11 to 05-15 ♣

Caballero-Guzman, Alejandro, Tianyin Sun, Bernd Nowack

Flows of engineered nanomaterials through the recycling system in Switzerland. SETAC Europe 24th Annual Meeting, Basel, 05-11 to 05-15 ♦

Caballero-Guzman, Alejandro, Tianyin Sun, Bernd Nowack

FLOW OF ENGINEERED NANOMATERIALS THROUGH THE RECYCLING PROCESS IN SWITZERLAND. Fourth International Conference on Safe Production and Use of Nanomaterials, Grenoble, FR, 11-18 to 11-20 ♣

Du, Xiaoyue, Hirschier Roland/Wäger Patrick

Challenge of Impact assessment for by-product and co-product metal. Discussion Forum on Life Cycle Assessment, Zurich, 04-11 ♣ ○

Du, Xiaoyue, Restrepo Eliette/Wäger Patrick/Widmer Rolf

Scarce Metals in Conventional Passenger Vehicles and End-of-Life Vehicle Shredder Output. The 3R International Scientific Conference on Material Cycles and Waste Management, Kyoto, JP, 03-10 to 03-12 ♣

Hilty, Lorenz

2014 A Research Agenda for ICT4S – Keynote Lecture. ICT4S 2014, 2nd International Conference on Information and Communication Technology for Sustainability, Stockholm, SE, 08-27 ♣ ○

Hincapié, Ingrid, Som Claudia/Nowack Bernd/Coll Claudia

LICARA GUIDELINES – Life cycle oriented guidelines for the sustainable competitiveness of nanoproducts. MICRONORA – Workshop, Besançon, FR, 09-24 to 09-29 ♣ ○

Hincapié, Ingrid, Som Claudia/Nowack Bernd/Coll Claudia

LICARA GUIDELINES – Directrices enfocadas en el ciclo de vida para la competitividad sustentable de nanoproductos. IX INTERNATIONAL NANOTECHNOLOGY, SOCIETY AND ENVIRONMENT SEMINAR, São Leopoldo, BR, 10-20 to 11-24 ♣ ○

Hincapié, Ingrid, Caballero Alejandro/Nowack Bernd

Flow of Nanomaterials in construction and demolition waste. Think Tank, Nanomaterials in Landfills – Workshop, Dübendorf, 11-17 ♣ ○

Hincapié, Ingrid, Caballero Alejandro/Nowack Bernd

Flow of Nanomaterials in construction and demolition waste. NanoSafe2014 – Conference, Grenoble, FR, 11-18 to 11-20 ♣

Hirschier, Roland

Teaching Sustainability in the Packaging & Graphical Industry. Experiences from Teaching in Swiss Professional Courses. SETAC Europe 24th Annual Meeting, Basel, 05-12 to 05-15 ♣

Hirschier, Roland

Ecological Sustainability of Façade Coating Systems containing Manufactured Nanomaterials. NANOSTRUC 2014 Conference, Madrid, ES, 05-20 to 05-21 ♣

Hirschier, Roland

ecoinvent – Some key characteristics of Version 3. The European Food SCP Roundtable – Working Group 1 Workshop, Brussels, BE, 06-11 ♣ ○

Hirschier, Roland, Wäger Patrick

The Transition from Desktop Computers to Tablets A Model for Increasing Resource Efficiency? ICT4S Conference, Stockholm, SE, 08-24 to 08-27 ♣

Mitrano, Denise

Aging and Transformations of Nanoparticles Relevant to Product Use. Invited Seminar at ETH, Host: Dr. Detlef Gunther, ETH Zürich, 02-11 ♣ ○

Mitrano, Denise, Rimmele Elisa/Nowack Bernd

Transformations of Silver Nanomaterials relevant to product use: Exposure to disinfectants and washing. Society for Environmental Toxicology and Chemistry (SETAC): Europe 24th Annual Meeting, Basel, 05-11 to 05-15 ♣

Mitrano, Denise, Rimmele Elisa/Nowack Bernd

Transformations of silver nanoparticles relevant to product use: washing textiles. Gordon Research Conference; Environmental Science – Water, Holderness, NH, US, 07-27 to 08-01 ♦

Mitrano, Denise, Rimmele Elisa/Nowack Bernd

Transformations of silver nanoparticles relevant to product use. American Chemical Society (ACS) National Meeting, San Francisco, US, 08-10 to 08-14 ♣

Mitrano, Denise, Rimmele Elisa/Nowack Bernd

Tracking nanomaterials through the laundry wash cycle: release, dissolution and complexation.. 4th Annual NanoSAFE Conference, Grenoble, FR, 11-18 to 11-20 🍄

Notter, Dominic

Life cycle impact assessment modelling: Damage to human health from particles released to the air including nanoparticles. 247th ACS National Meeting, Nanotechnology for Sustainable Resources and Environmental Science, Dallas, US, 03-16 to 03-20 🍄

Notter, Dominic

Environmental impacts of multiwalled carbon nanotubes (MWCNT) and platinum in fuel cell technology. 247th ACS National Meeting, Nanotechnology for Sustainable Resources and Environmental Science, Dallas, US, 03-16 to 03-20 🍄

Notter, Dominic

Environmental impacts of multiwalled carbon nanotubes (MWCNT) and platinum in fuel cell technology. 247th ACS National Meeting, Nanotechnology for Sustainable Resources and Environmental Science, Dallas, US, 03-16 to 03-20 🍄

Notter, Dominic

Environmental impacts of multiwalled carbon nanotubes (MWCNT) and platinum in fuel cell technology.. NANOSTRUC 2014 Conference, Madrid, ES, 05-20 to 05-21 🍄

Notter, Dominic

Case study: application of the LICARA nanoSCAN and an in depth intergrated life cycle and risk assessment for multiwalled carbon nanotubes. FINAL INTERNATIONAL WORKSHOP OF THE LICARA PROJECT- Evaluating the benefits and the risks of nanomaterials towards sustainable competitiveness of nanoproducts, Besancon, FR, 09-24 to 09-25

Notter, Dominic

Results of 3 case studies - Use of nanosilver in sponge towels - Use of nanosilver on door handles to prevent hospital infections - Use of nanotitanium dioxide coating on façade paint. International Microtechnology Trade Fair MICRONORA,, Besancon, FR, 09-24 to 09-25 🍄 ○

Notter, Dominic

Results of 3 case studies - Use of nanosilver in sponge towels - Use of nanosilver on door handles to prevent hospital infections - Use of nanotitanium dioxide coating on façade paint. International Microtechnology Trade Fair MICRONORA,, Besancon, FR, 09-24 to 09-25 🍄 ○

Notter, Dominic

ENVIRONMENTAL IMPACTS OF MULTIWALLED CARBON NANOTUBES (MWCNT) AND PLATINUM IN FUEL CELL TECHNOLOGY. NanoSafe 2014, Grenoble, FR, 11-17 to 11-20 🍄

Nowack, Bernd

Quellen von Nanopartikeln und Möglichkeiten zur Modellierung. Wissenschaftliche Grundlagen zur Regulation von Nanomaterialien, Dübendorf, 01-20 to 01-21 🍄 ○

Nowack, Bernd

Release and environmental exposure of nanomaterials. Nanotox2014 - 7th International Nanotoxicology Congress, Antalya, TR, 04-23 to 04-26 🍄 ○

Nowack, Bernd

Release of particles from paints and textiles containing engineered nanomaterials. Nanotech, Advanced Materials & Applications, Washington, DC, US, 06-15 to 06-18 🍄 ○

Nowack, Bernd

Life cycle considerations for assessing environmental risks of nanomaterials. Lecture at National Institutes for Standards and Technology (NIST), Gaithersburg, US, 06-19 🍄 ○

Nowack, Bernd

Release of materials from nano-paints and environmental behavior of the released particles. Gordon Research Conference, Holderbness, NH, US, 06-22 to 06-27 ◆

Nowack, Bernd

Life cycle considerations for assessing environmental risks of nanomaterials: Textile Case Study. Bundesamt für Risikobewertung, Berlin, DE, 07-10 🍄 ○

Nowack, Bernd

The life cycle perspective as a Basis for assessing environmental risks of engineered nanomaterials. NanoSafe 2014, Grenoble, FR, 11-17 to 11-20 🍄 ○

Nowack, Bernd, Notter Dominic

A proposal for regulation of nano-Ag, nano-ZnO and nano-CuO based on comparison to dissolved metals. SETAC Europe 24th Annual Meeting, Basel, 05-11 to 05-15 🍄

Restrepo, Elette, Du, Xiaoyue; Restrepo, Elette; Wäger, Patrick; Widmer, Rolf

Quantifying critical metals in conventional passenger vehicles: a comparative study. ISIE Socio-Economic Metabolism and Asia-Pacific Conference, Melbourne, AT, 11-17 to 11-19 🍄

Restrepo, Elette, Restrepo, Elette; Schlupe, Mathias; Widmer, Rolf

Open Loop Recycling Options for Cathode Ray Tubes. General assembly of the StEP initiative, Bonn, DE, 05-13 to 05-15 🍄

Restrepo, Elette, Widmer, Rolf; Du, Xiaoyue; Haag, Olaf; Restrepo, Elette; Wäger, Patrick

Scarce Metals in Conventional Passenger Vehicles and End-of-Life Vehicle Shredder Output. Electro mobility workshop, Delmenhorst, DE, 06-16 to 06-18 🍄 ○

Salieri, Beatrice, Beatrice Salieri/Martina Pini/Roland Hischier

Human toxicity and freshwater ecotoxicity characterisation factors for engineered nanoparticles: toward a spatial differentiation. Nanosafe Conference 2014, Grenoble, FR, 11-17 to 11-20 ◆

Salieri, Beatrice, Hischier Roland/Righi Serena/Pasteris Andrea/Olsen Stig Irving

Freshwater characterisation factor: a case study on titaniumdioxide nanoparticle. Nanosafe Conference 2014, Grenoble, FR, 11-17 to 11-20 ♣

Som, Claudia

Der LICARA-Leitfaden – nachhaltige Nanoprodukte. TB Briefing LICARA – Chancen und Risiken von Nanoprodukten, Empa Akademie Dübendorf, 09-16 ♣

Som, Claudia, Güttinger Jörg (Chair)

TB LICARA – Chancen und Risiken von Nanoprodukten, Empa Akademie, Dübendorf, 09-16

Som, Claudia, Güttinger Jörg

Neue Tools im Bereich NanoSafety: der LICARA NanoScan. iNet- Technology Circle NanoSafety, Basel, 10-29 ♣
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Som, Claudia, Marcel Weil (Chair)

Session:Life Cycle Analysis, LCA and Constructive Technology Assessment, CTA for Nano-Enabled Technologies. Nanostruc 2014, Madrid, ES, 05-19 to 05-21 ○

Som, Claudia, Zondervan-van den Beuken Esther/ van Harmelen Toon/, Hischier Roland/ Nowack Bernd/ Hincapie Ingrid/ Buist Harrie/ Fransman Wouter/ Güttinger Jörg

Licara – guideline towards sustainable competitiveness of nanoproducts. NanoSafe 2014, Grenoble, FR, 11-18 ♣

Som, Claudia, Hincapie Ingrid/ Claudia Coll/ Zondervan Esther/ van Harmelen Toon/ Güttinger Jörg/ Hischier Roland/ Notter Dominic/ Nowack Bernd

LICARA – Directrices basadas en el ciclo de vida de nanoproductos para su competitividad sustentable.. XI International Seminar Nanotechnology, Society and Environment, PORTO ALEGRE - per Skype, BR, 10-20 ♣ ○

Som, Claudia, Toon van Harmelen/ Esther Zondervan/ Derk Brouwer/ Dominic Notter/ Roland Hischier/ Bernd Nowack/ Ingrid Hincapié and Jörg Güttinger

LICARA – Life cycle oriented guidelines for the sustainable competitiveness of nanoproducts. SNET- KIT, Karlsruhe, DE, 09-23 ♣ ○

Som, Claudia, van Harmelen Toon/Zondervan Esther/Derk Brouwer/ Notter Dominic/ Hischier Roland/ Nowack Bernd/ Hincapié Ingrid and Güttinger Jörg

LICARA – Guideline for evaluating the benefits and the risks of nanomaterials – sustainable competitiveness. Nanostruc 14, Madrid, ES, 05-21 ♣ ○

Sun, Tianyin, Nowack Bernd/ Gottschalk Fadri/Konrad Hungerbühler/Nowack Bernd

Mass flow analysis and environmental risk assessment of nanomaterials. SETAC Europe 24th Annual Meeting, Basel, 05-11 to 05-15 ◆

Wäger, Patrick, Böni, Heinz, Widmer, Rolf

Seltene Metalle in Elektro- und Elektronischrott. Re-Source 2014, Vienna, AT, 04-29 to 04-30 ♣ ○

Wäger, Patrick, Du, Xiaoyue, Restrepo, Eliette, Widmer, Rolf

Recovery of scarce metals from ELV: current developments in Switzerland. International Workshop on the Status and Future Perspectives on ELV Recycling 2014, Tokyo & Kyoto, JP, 09-10 to 09-13 ♣ ○

Wäger, Patrick, Restrepo, Eliette, Widmer, Rolf

Improving recovery rates of scarce metals from WEEE: an approach to optimise the pre-treatment – recovery interface. 3R International Conference, Kyoto, JP, 03-10 to 03-13 ♣

Widmer, Rolf, Du Xiaoyue/Restrepo Eliette/Wäger Patrick

Scarce Metals in Conventional Passenger Vehicles and End-of-Life Vehicle Shredder Output. Gordon Research Conference Industrial Ecology, Lucca, IT, 06-01 to 06-06 ◆