

Empa Activities 2013

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Empa Activities 2013

Awards

Advanced Materials Processing

Hammoud, Hussein

Best students presentation/Ampère conference, Nottingham, GB

Sriharitha, Rowthu

Best poster award, CCMX annual meeting 2013, Bern

Sriharitha, Rowthu

3rd best poster award, EDMX Research day 2013, EPFL, Lausanne

Eyer, Simon

Best Presentation/ASI 2013 Braunschweig

Wolf, Benjamin

Best Presentation/ASI 2013 Braunschweig

Wolf, Benjamin

Wissenschaftspreis des Stifterverbandes – Erwin Schrödinger-Preis 2013/Helmholtz Jahrestagung Berlin

Analytical Chemistry

Christoffel, Aaron/Nowak, Bernd/Wichser, Adrian

1. Preis im Projektkurs im Rahmen der Ausbildung 3. Lehrjahr/ Vorstudie und Methodenentwicklung zum Auswaschverhalten von Silbernanopartikel behandelten Textilien (EPA-Studie)

Hess, Adrian/Ludwig, Christian

Poster Award, Size Distribution and Elemental Composition of Airborne Nanoparticles Measured On-Line by SMPS-ICPMS Coupling Technique, 17th ETH Conference on Combustion Generated Nanoparticles, 23.–26.6.2013

Applied Wood Materials

Fuhr, Matthias

Silbermedaille 2012/ETH Materials Research Center (MRC)

Gierlinger, Notburga

START-PROJEKT «Plant surfaces and interfaces: Lignin, Suberin and Cutin» (Y 728-B16), FWF (Fonds zur Förderung der wissenschaftlichen Forschung)

Biomaterials

Richter, Michael

Poster Award Biotrans 2013, Manchester UK

Schmid-Emrich, Sabrina/Altenried, Stefanie/Grieder, Kathrin/Stiefel, Philipp/Ren, Qun/Thöny-Meyer, Linda

Swiss Technology Award

Building Science and Technology

Behrooz, Ferdowsi

Centro Stefano Francini Award for young scientists

Derluyn, Hannelore

ETH Medal for outstanding dissertation

Immer, Marc

Student presentation competition: Runner up. Physmod 2013 – International Workshop on Physical Modeling of Flow and Dispersion Phenomena, University of Surrey

Pham, Minh Son

ETH Medal for outstanding dissertation

Electronics/Metrology/Reliability

Richter, Michael

Poster Prize; Biotrans 2013 (Manchester, UK)

Rutz, Nadja/Keller, Adrian/Holdener, Simon/Freese, Andreas

Lehrlingswettbewerb 2013, Zürich Oberland. 1. Rang «Preis der Jury»: 3D-Electronic-Gadget-Printing

Sanabria, Sergio

IAWS Goldmedaille, IAWS International Academy of Wood Science 2013 Nanjing, China

Sanabria, Sergio

Nachwuchspreis DGZfP 2013 Doktorarbeit

Thöny-Meyer, Linda

Swiss Technology Award Finalist

Functional Polymers

Yeesong, Ko

Posterprice/Empa Phd symposium

High Performance Ceramics

Bora, Debajeet Kumar

Empa Forschungspreis 2013

Boudoire, Florent

Oral Award 3rd place, Empa PhD Symposium 2013

Flak, Dorota K.

AGH Krakow Doctoral Thesis Award

**High Performance
Ceramics**
Hydrogen and Energy
**Materials-Biology
Interactions /
Biomaterials**
Media Technology
**Nanoscale Materials
Science**

nanotech@surfaces

**Protection and
Physiology**
**Road Engineering/
Sealing Components**

**Solid State Chemistry and
Catalysis**

Technology and Society

**Thin Films and
Photovoltaics**

Schabikowski, Mateusz

Best Poster Presentation; PERMEA 2013, Warsaw

Züttel, Andreas/ Biemann, Michael

Watt d'Or Preis (BFE) Kategorie Weneffiziente Mobilität, Postauto Projekt

Bruinink, Arie/Richter, Michael/Mäder, Xenia

Nomination for CTI MedTech Award 2013: Project Revcel, a resorbable biomaterial as wound dressing

Caluori, Ursina/Simon, Klaus

Best Interactive Paper Award, IS&T Archiving Conference 2013 April, Washington DC (US)

Jaeger, Dominik

1st prize ASED Graduate Student Award, San Diego, CA (US)

Thorwarth, K./Jaeger, D./Müller, U./Schmutz, P./Stiefel, M./Weisse, B./Hauert, R.

Poster Award, CCMX Annual Meeting, 30.4.2013, Bern

Prinz, Jan

«Best Student Presentation»/3rd International Symposium of Intermetallic Compounds in Catalysis, Greece 09.9.2013

Derler, Siegfried/Rossi, René

Techtextil innovation prize 2013

Garcia, A./Norambuena-Contreras, J./Partl, Manfred

Best Poster Award, 5th EATA Conference of the European Asphalt Technology Association, TU Braunschweig, (DE) 2013

Garcia, A./Partl, Manfred

Best Paper Award, 8th International Conference on Road and Airfield Pavement Technology, Taipei, Taiwan (TW)

Partl, Manfred

2013 Outstanding Contribution for Road and Airfield Engineering Award, 8th International Conference on Road and Airfield Pavement Technology, Taipei, Taiwan

Gałązka, Krzysztof

2nd Place Poster Award, EMPA PhD Students' Symposium 2013

Maegli, Alexandra

E-MRS Graduate Student Award: Symposium-T

Maegli, Alexandra

SCNAT/SCS Chemistry Travel Award

Rigort, Ruben

Helmut Fischer Jugendpreis

Badertscher, Stefan/Oertle, David

Environmental Informatics Students' Award 2013 at EnviroInfo, Hamburg

Gretener, Christina

1st Place Oral Presentation Award, PhD Symposium Empa, 2013

Jäger, Timo

Poster award, E-MRS Spring Meeting 2013, Strasbourg, France

Kovalenko, Maksym

Ruzicka Preis, 2013

Kranz, Lukas

Student award, 39th IEEE Photovoltaic Specialists Conference, Tampa, USA, 2013

Empa Activities 2013

PhD Theses

Acoustics/Noise Control

Churchill, Claire

Direct and Flanking Transmission in Combined Heavyweight and Lightweight Structures
Co-Supervisor Empa: Dr Lubos Krajci
University of Liverpool (UK) ◆

Zelmann Christoph

Neues Emissionsmodell für Fluglärm
Co-Supervisor Empa: Jean Marc Wunderli
TU Berlin (DE), Institut für Strömungsmechanik und Technische Akustik ◆

Advanced Fibers

Blanchard, Noémi

Adsorption/Desorption an vertikalen Gradientenschichten (Vgrad)
Supervisor Empa: Prof. Manfred Heuberger
ETH Zurich, Dept. of Materials ◆

Kedronová, Eva

Plasma Modification of Electrospun Polymer Micro and Nano Fibers (PlasmaESP)
Co-Supervisor Empa: Dr Dirk Hegemann
Masaryk University Brno, Czech Republic ◆

Skacelova, Dana

MODMETOX -Modification of metalloids and its oxides using atmospheric-pressure plasmas
Co-Supervisor Empa: Dr Dirk Hegemann
Masaryk University Brno, Czech republic, Faculty of Science, Dept. of Physical Electronics ◆

Advanced Materials Processing

Hammoud, Hussein

Sintering of Cerium Oxide based materials by Microwave heating
Co-Supervisor Empa: Dr Sébastien Vaucher
Ecoles Nationale des Mines de St Etienne, FR ◆

Infante, Daniel

Chinese Mirror - smooth optical effects
Supervisor Empa: Prof Patrik Hoffmann
Co-Supervisor Empa: Dr Kilian Wasmer
EPF Lausanne, Photonics ◆

Kallip, Kaspar

Nano
Co-Supervisor Empa: Dr Marc Leparoux
Tallinn (EST) ◆

Le Dantec, Marie

Light initiated melting of dry silicon powder
Supervisor Empa: Prof Patrik Hoffmann
Co-Supervisor Empa: Dr Marc Leparoux
EPF Lausanne, Photonics ◆

Reinke, Michael

BaTiO₃ deposition by HVCVD
Supervisor Empa: Prof Patrik Hoffmann
EPF Lausanne, Photonics ◆

Rowthu, Sriharitha

Porous wear resistant, tailored wetting materials
Supervisor Empa: Prof Patrik Hoffmann
EPF Lausanne, Materials Science and Engineering ◆

Saeidi, Fatemeh

Laser structuring of tribo-pair surface
Supervisor Empa: Prof Patrik Hoffmann
EPF Lausanne, Science and Engineering ◆

Air Pollution/ Environmental Technology

Eyer, Simon

Development of a real-time quantum cascade laser spectrometer for methane isotopic species in ambient air
Co-Supervisor: Dr Lukas Emmenegger
University of Bern ◆

Oney Brian

CarboCount CH: Quantifying CO₂ and CH₄ fluxes in Switzerland
Co-Supervisor Empa: Dr Dominik Brunner
ETH Zurich, Dept. of Environmental Systems Science ◆

Schönenberger, Fabian

Measurement-based verification of regional emissions of halogenated greenhouse gases
Co-Supervisor: Dr Stefan Reimann
ETH Zurich, Dept. of Environmental Systems Science ◆

Bahk, Yeion Kyoung

Characterization of airborne Carbon Nano Tubes and Filtration
Supervisor Empa: Prof Jing Wang
ETH Zurich, Inst. for Environmental Engineering ◆

Diefenbacher, Pascal

Investigations of emissions of POPs from buildings into air and modeling of environmental fate
Co-Supervisor Empa: Dr Andreas C. Gerecke
ETH Zurich, Dept. Umweltnaturwissenschaften ◆

Durdina, Lukas

Particulate Matter and Gas Phase Emission Measurement of Aircraft Engine Exhaust
Supervisor Empa: Prof Jing Wang
ETH Zurich, Inst. for Environmental Engineering ◆

Hess, Adrian

Online coupling of a scanning mobility particle sizer SMPS to an inductively coupled plasma mass spectrometer ICP-MS for size fractionated, elemental analysis of nanoparticles in aerosols
Co-Supervisor Empa: Dr Andrea Ulrich
EPF Lausanne, Materials Science and Engineering ◆

Kammenou, Izoldi-Maria

Study, Transport and Characterization of airborne Nanoparticles with the use of Empa Windtunnel
Supervisor Empa: Prof Jing Wang
ETH Zurich, Inst. for Environmental Engineering ◆

Kuo, Yu-Ying

Concurrence of nanoparticles and organic pollutants in atmosphere and photocatalytic removal of organic pollutants
Supervisor Empa: Prof Jing Wang
ETH Zurich, Inst. for Environmental Engineering ◆

Losert, Sabrina

Investigations of the release of nanoparticles from consumer spray products
Co-Supervisor Empa: Dr Andrea Ulrich
ETH Zurich, Inst. for Chemical and Bioengineering ICB ◆

Ott, Naomi

Development of a novel micro-analytical technique for elemental, locally and time resolved in-situ investigations of micro corrosion processes using a microflow capillary online coupled via flow injection to an inductively coupled plasma mass spectrometry with potentiostatic control (MiCorrAna II)
Co-Supervisor Empa: Dr Andrea Ulrich
University of Bern ○

Pavlova, Pavlina

Accelerated release of persistent organic pollutants from Alpine glaciers
Co-Supervisor Empa: Dr Peter Schmid
University of Berne ◆

Sukiene, Vilma

Assessing the relevance of the dust contribution in consumer exposure to substances from consumer products and articles (DustEx)
Co-Supervisor Empa: Dr Andreas C. Gerrecke
ETH Zurich, Environmental Engineering ◆

Walaszak, Damian

Minimal invasive investigations of corrosion products on ancient metal objects using LA-ICP-MS
Co-Supervisor Empa: Dr Andrea Ulrich
University of Warsaw, Faculty of Chemistry (PL) ◆

Xue, Meng

Filtration and loading of nanomaterials for air quality and workplace safety
Supervisor Empa: Prof Jing Wang
ETH Zurich, Environmental Engineering ◆

Aigner Nikita

Modelling of cell wall components interaction
Co-Supervisor Empa: Prof Ingo Burgert
ETH Zurich, Inst. für Baustoffe ◆

Civardi Chiara

Assessment of the effectiveness and environmental risk of copper particles based wood preservatives
Co-Supervisor Empa: Prof Francis Schwarze
ETH Zurich, Inst. für Integrative Biologie ◆

Applied Wood Materials

Gebald, Christoph

Atmosphärische CO₂ Abscheidung
Co-Supervisor Empa: Dr Tanja Zimmermann
ETH Zurich, Energy Science Center ESC ◆

Grüneberger Franziska

Modified Nanofibrillated Cellulose in Wood Coatings
Supervisor Empa: Prof Ingo Burgert
Co-Supervisor Empa: Martin Arnold
ETH Zurich, Inst. für Baustoffe ◆

Keplinger Tobias

Cell wall modification and characterization
Supervisor Empa: Prof Ingo Burgert
ETH Zurich, Inst. für Baustoffe ◆

Merk Viviane

Chemical modification of spruce and beech wood
Supervisor Empa: Prof Ingo Burgert
ETH Zurich, Inst. für Baustoffe ◆

Orsolini Paola

«Elaboration of functional materials using biobased waste resources as building blocks»
Co-Supervisor Empa: Dr Philippe Tingaut / Dr Tanja Zimmermann
ETH Zurich ◆

Razghandi Khashayar

Bio-inspired honeycomb devices for movements
Co-Supervisor Empa: Prof Ingo Burgert
Technische Universität Berlin (DE) ◆

Segemehl, Jana Simone

Cell wall modification of bio-engineered wood
Supervisor Empa: Prof Ingo Burgert
ETH Zurich, Institut für Baustoffe ◆

Zhang, Zheng

Silylated Nanofibrillated Cellulose in Polymer Composites
Co-Supervisor Empa: Dr Philippe Tingaut
Université Bordeaux (FR) ○

Biomaterials

Ghazaryan, Gagik

Biobased additives for the mechanical improvement of biopolymers
Co-Supervisor Empa: Dr Matthijs de Geus
ETH Zurich, Dept. of Materials ◆

Ketikidis, Pantelis

Interfacial behavior of biocompatible poly(hydroxyalkanoate)-based polymers for complex materials development.
Co-Supervisor Empa: Dr Manfred Zinn
University of Basel, Dept. of Chemistry ◆

Lavielle, Nicolas

Temporal and spatial controlled drug delivery from electrospun biopolyesters
Co-Supervisor Empa: Dr Matthijs de Geus / Dr Linda Thöny-Meyer
Université de Strasbourg, LIPHT ○

Le Meur, Sylvaine

Production of polyhydroxyalkanoates (PHAs) from cheap waste resources
Co-Supervisor Empa: Dr Ana Maria Popa / Dr Qun Ren
ETH Zurich, Dept. Umweltwissenschaften (UWIS) ◆

Weishaupt, Ramon

Protein immobilization on nanofibrous materials
Supervisor Empa: Prof Dr Linda Thöny-Meyer
Co-Supervisor Empa: Dr Julian Ihssen
ETH Zurich, Dept. of Biology ◆

Building Science & Technology

Abbasion, Saeed

Modeling of heat and mechanical effects during wood welding
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Prof Dominique Derome
ETH Zurich, Dept. Architektur ◆

Ferdowsi, Behrooz

3D MD Modelling of slip triggering in granular media by means of boundary vibration: Implications for dynamic earthquake triggering
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Dr Michele Griffa
ETH Zurich, Dept. Bau ◆

Georgios, Mavromatidis

Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor: Dr K. Orehoung
ETH Zurich, Dept. Architecture ◆

Guizzardi, Michela

Performance assessment of energy renovation strategies for old historical buildings
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Dr Dominique Derome/Mark Zimmermann
ETH Zurich, Civil Engineering ◆

Immer, Marc

Mechanisms and scaling of turbulent transfer within the urban canopy layer
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Viktor Dorer
ETH Zurich, Civil Engineering ◆

Jae Bong Lee

Wetting of building façades by wind driven rain in the urban context
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Prof Dominique Derome
ETH Zurich, Civil Engineering ◆

Kubilay, Aytac

Wetting of building façades by wind driven rain in the urban context
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Prof Dominique Derome / Viktor Dorer
ETH Zurich, Civil Engineering ◆

Kulasinski, Karol

Adsorption and swelling of complex porous media investigated with molecular dynamics simulation
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Prof Dominique Derome
ETH Zurich, Civil Engineering ◆

Martin, Martin

Supervisor Empa: Prof Jan Carmeliet
ETH Zurich, Dept. Architecture ◆

Parada, Marcelo Ito

Supervisor Empa: Prof Jan Carmeliet
ETH Zurich, Dept. Architecture ◆

Patera, Alessandra

3D experimental investigation of hygro-mechanical behaviour of wood at the cellular scale
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Dr Michele Griffa
ETH Zurich, Dept. Bau, Umwelt und Geomatik ◆

Paterna, Enrico

Turbulent flow modelling of urban areas
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Viktor Dorer
ETH Zurich, Civil Engineering ◆

Rafsanjani Abbasi, Ahmad

Cellular poroelastic model: Bridging the gap from cellular to macroscopic scale
Co-Supervisor Empa: Prof Dominique Derome
ETH Zurich, Dept. Bau, Umwelt und Geomatik ○

Ruesch, Florian

Low Temperature District Heating - Energetic Optimization Based on Dynamic Simulations
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Dr R. Evins / Viktor Dorer
ETH Zurich, Dept. Architecture ◆

Saneinejad, Saba

Urban climate
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Dr Peter Moonen
ETH Zurich, Dept. Bau, Umwelt und Geomatik ○

Soyoun, Son

Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Dr Dominique Derome
ETH Zurich, Dept. Architecture ◆

Sreeyuth, Lal

Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Dr Dominique Derome
ETH Zurich, Dept. Architecture ◆

**Building Science &
Technology**

**Concrete/Construction
Chemistry**

**Electron Microscopy
Center**

**Electronics/Metrology/
Reliability**

Vikram, Reddy Ardham

Supervisor Empa: Prof Jan Carmeliet
ETH Zurich, Dept. Architecture ◆

Vonlanthen, Marcel

Microscale climatic modeling
Supervisor Empa: Prof Jan Carmeliet
Co-Supervisor Empa: Viktor Dorer
ETH Zurich, Civil Engineering ◆

Di Bella, Carmelo

Shrinkage and cracking in cementitious materials
Supervisor Empa: Prof Pietro Lura
Co-Supervisor Empa: Dr Mateusz Wyrzykowski
ETH Zurich, Institut für Baustoffe ◆

Ellina, Bernard

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

Fei, Yang

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

Hôpital, Emilie

Al uptake in C-S-H and the influence of alkali
Co-Supervisor Empa: Dr Barbara Lothenbach
EPF Lausanne ◆

Hui, Chen

Autogenous and Thermal Deformations and their Interaction in Early Age Cementitious Materials
Supervisor Empa: Prof Pietro Lura
Co-Supervisor Empa: Dr Mateusz Wyrzykowski
EPF Lausanne ○

Sadegh Ghourchian

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

Schöler Axel

Hydration of multi-component cements containing cement clinker, slag, type-V fly ash, limestone: CEM X/A – M (S, V, LL, x)
Co-Supervisor Empa: Dr Barbara Lothenbach / Dr Frank Winnefeld
Bauhaus, Universität Weimar, F.A. Fingerinstitut für Bauchstoffkunde ◆

Xing Fang

Cold mix asphalt concrete: combination of cementitious materials and asphalt emulsions
Supervisor Empa: Prof Pietro Lura
Co-Supervisor Empa: Dr Alvaro Garcia / Prof Manfred Partl
ETH Zurich ◆

Zhangli, Hu

Autogenous shrinkage in blended cement systems
Supervisor Empa: Prof Pietro Lura
Co-Supervisor Empa: Dr Mateusz Wyrzykowski
EPF Lausanne ◆

Agrawal, Piyush

Atomic EELS calculations
Co-Supervisor Empa: Rolf Erni / Daniele Passerone / Marta Rossell
EPF Lausanne, Dept. Physics ◆

Ilari, Gabriele

Metal/CNT contacts
Co-Supervisor Empa: Dr Rolf Erni
ETH Zurich, Dept. Materials ◆

Keller Debora

Electron Microscopy of CIGS solar cells
Supervisor Empa: Prof Ayodhya N. Tiwari
Co-Supervisor Empa: Dr Rolf Erni
ETH Zurich, Dept. of Information Technology and Electrical Engineering

Butti, Pascal

Graphene RGB
Co-Supervisor Empa: Dr Urs Sennhauser
ETH Zurich, Dept. of Physics ◆

◆ in progress

○ submitted in 2013

Liu, Yu
ILATO
Co-Supervisor Empa: Dr Urs Sennhauser
ETH Zurich,, Dept. of Information Technology and Electrical Engineering ◆

Scholder, Olivier
Platun
Supervisor Empa: Prof Gian-Luca Bona
Co-Supervisor Empa: Dr Urs Sennhauser
ETH Zurich,, Dept. of Information Technology and Electrical Engineering ◆

Stritt, Carina
CTOMES
Co-Supervisor Empa: Dr Urs Sennhauser
ETH Zurich, Dept. of Mechanical and Process Engineering ◆

Zraggen, Eugen
Photonik Projekt
Supervisor Empa: Prof Gian-Luca Bona
Co-Supervisor Empa: Dr Urs Sennhauser
ETH Zurich,, Dept. of Information Technology and Electrical Engineering ◆

Dünki, Simon
Silicones with enhanced permittivity for dielectric elastomer actuators
Supervisor Empa: Prof Frank Nüesch
Co-Supervisor Empa: Opris, Dorina
EPF Lausanne ◆

Jenatsch, Sandra
Ion distribution in cyanine bilayer solar cells
Supervisor Empa: Prof Frank Nüesch
Co-Supervisor Empa: Dr Roland Hany
EPF Lausanne ◆

Ko, Yee Song
Smart materials for artificial muscle and energy harvesting
Supervisor Empa: Prof Frank Nüesch
Co-Supervisor Empa: Opris, Dorina
EPF Lausanne ◆

Chatterjee, Sanjukta
Structural and mechanical effects of carbon nanotubes in high-tensile strength thermoplastic polymer fibers
Co-Supervisor Empa: Dr Rudolf Hufenus, Dr Frank Nüesch
Uppsala University, (SE)

Quinsaat, Jose-Enrico
Increasing the dielectric constant of dielectric elastomer actuators using silver nanoparticles
Co-Supervisor Empa: Dr Frank Nüesch, Dr Dorina Opris
EPF Lausanne ◆

Schlagenhauf, Lukas
Evaluation platform for safety and environmental risks of carbon nanotube reinforced nanocomposites
Supervisor Empa: Dr Frank Nüesch
Co-Supervisor Empa: Prof Jing Wang
ETH Zurich ◆

Tisserant, Jean-Nicolas
Structured Templates of (6,6)-Phenyl C61-Butyric Acid Methyl Ester (PCBM) for Applications in Photovoltaics and Photonics
Co-Supervisor Empa: Dr Jakob Heier / Dr Roland Hany
ETH Zurich ◆

Veron, Anna
NIR Absorbing Colorants with Application in Light to Energy Conversion
Co-Supervisor Empa: Dr Frank Nüesch / Thomas Geiger
University of Zurich ◆

Zhang, Hui
NIR sensitive organic solar cells for tandem devices and transparent windows
Supervisor Empa: Dr Frank Nüesch
Co-Supervisor Empa: Dr Roland Hany
EPF Lausanne ◆

Boudoire, Florent
Liesegang
Co-Supervisor Empa: Dr Artur Braun
University of Basel ◆

Dalcanale, Federico
Ceramed
Co-Supervisor Empa: Jakob Kübler /
Prof Thomas Graule
ETH Zurich ◆

High Performance Ceramics

Fleischhauer, Felix

Solid Oxide Fuel Cell Research
Co-Supervisor Empa: Jakob Kübler
Montanuniversität Leoben, (AT) ◆

Hu, Yelin

Fundamental spectroscopy studies on solar cell materials
Co-Supervisor Empa: Dr Artur Braun
EPF Lausanne ◆

Knies, Franziska

Keraman: Massgeschneiderte u. verschmutzungsarme Keramikoberfläche für Sanitärkeramiken
Co-Supervisor: Prof Thomas Graule
Technische Universität Freiberg (DE) ◆

Mitrentsis, Eleni

REFRAMATCH: Verbesserung der Kratzfestigkeit von Polyamiden durch den Einsatz brechungsindex-angepasster, nanopart. Füllstoffe
Co-Supervisor: Prof Thomas Graule
Technische Universität Freiberg (DE) ◆

Märkl, Veronika

Novel nanocomposite based filter media for adsorption based water treatment
Co-Supervisor: Prof Thomas Graule
Technische Universität Freiberg (DE) ○

Popelo, Anastasyia

Fundamental spectroscopy studies on solar cell materials
Co-Supervisor: Dr Artur Braun
EPF Lausanne ○

Schabikowski, Mateusz

Novel nanocomposite based filter media for adsorption based water treatment
Co-Supervisor: Prof Thomas Graule
AGH University of Science and Technology, Cracow, (PL) ◆

Bliersbach, Andreas

Hydrogen on metal doped carbon nanostructures
Supervisor Empa: Prof Andreas Züttel
Co-Supervisor Empa: Dr Arndt Remhof
Universität Fribourg, Dept. Physics ◆

Bonk, Alexander

Synthesis and characterization of thermal stable and highly porous doped CeO₂ structures for Thermochemical Redox Reactions
Co-Supervisor Empa: Dr Ulrich Vogt /Prof Andreas Züttel
Universität im Breisgau, Dept. Chemie, Philosophie und Geisteswissenschaften ◆

Gorbar, Michal

Developments of new membranes based on inorganic materials for electrolyser cells
Supervisor Empa: Prof Andreas Züttel
Co-Supervisor Empa: Dr Ulrich Vogt
University of Fribourg, Dept. Physics ◆

Spiteri, Alexander Constantin

Investigation of the phenomena in deNO_x-SCR exhaust aftertreatment systems
Co-Supervisor Empa: Dr Panayotis Dimopoulos Eggenschwiler
ETH Zurich, Lab. für Aerothermochemie und Verbrennungssysteme ◆

Von Rickenbach, Jan

Simulation of catalytic processes in foam structures
Co-Supervisor Empa: Dr Panayotis Dimopoulos Eggenschwiler
Laboratory of Thermodynamics in Emerging Technologies ◆

Breimesser, Matthias

Elektrochemische Rauschanalyse von lokalen Korrosionsprozessen
Co-Supervisor Empa: Dr Patrik Schmutz, Dr Thomas Suter
Universität Erlangen (DE) ○

Buhl, Sebastian

Interfaces of brazed diamonds
Co-Supervisor Empa: Dr Christian Leinenbach
ETH Zurich, Institut für Machine Tools and Manufacturing ○

Izdebski Pawel

Investigation of atmospheric local oxidation mechanisms for Al based ultra-fine grained alloys: influence on aqueous corrosion and surface properties
Co-Supervisor Empa: Dr Patrik Schmutz
Warsaw University of Technology (PL) ◆

Hydrogen and Energy

Joining Technologies and Corrosion

◆ in progress

○ submitted in 2013

Brodacka, Sylwia

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

Huber, Lukas

Experimental study of the phase transformations in novel Fe-based shape memory alloys
Co-Supervisor Empa: Dr Christian Leinenbach
EPF Lausanne, Dept. Materials Science and Engineering ◆

Izdebski Pawel

Investigation of atmospheric local oxidation mechanisms for Al based ultra-fine grained alloys: influence on aqueous corrosion and surface properties
Co-Supervisor Empa: Dr Patrik Schmutz
Warsaw University of Technology (PL) ◆

Jin Shan

Experimental Study and Modeling of Au-Ge-based Alloy Systems for Novel High Temperature Lead Free Solders
Co-Supervisor Empa: Dr Christian Leinenbach
EPF Lausanne, Computational Materials Laboratory ○

Kenel, Christoph

Development and characterization of novel ODS TiAl-alloys for additive manufacturing
Co-Supervisor Empa: Dr Christian Leinenbach
ETH Zurich, Dept. Maschinenbau ◆

Lipeccka, Joanna

Development of novel joining technologies for nanostructured materials
Supervisor Empa: Prof Jolanta Janczak-Rusch
Int. PhD School Switzerland-Poland ◆

Lis, Adrian

Transient Liquid Phase Bonding of Si and SiC dies in the packaging process of high power semiconductor modules
Co-Supervisor Empa: Dr Christian Leinenbach
ETH Zurich, Dept. Maschinenbau ◆

Ott, Noémie

From Biodegradable Mg to Passive Al-Cr-Fe Alloys- Element Specific Investigations of Corrosion Processes Using Flow Microcapillary Plasma Mass Spectroscopy
Co-Supervisor Empa: Dr Patrik Schmutz
EPF Lausanne, Institut d'Ingénierie de l'Environnement ○

Sobol Sosnowska, Karolina

Controlling diffusion processes for rapid formation of interconnects
Co-Supervisor Empa: Prof Jolanta Janczak-Rusch
ETH Zurich, Dept. of Materials ◆

Transchel, Robert

Experimental study and modelling of the single diamond-work piece interaction using particle-reinforced filler alloys
Co-Supervisor Empa: Dr Christian Leinenbach
ETH Zurich, Institut for Machine Tools and Manufacturing ○

Weyrich, Nico

Low melting Au-based solder alloys for highly loaded applications
Co-Supervisor Empa: Dr Christian Leinenbach
ETH Zurich, Institut for Machine Tools and Manufacturing ◆

Civardi, Chiara

Assessment of the effectiveness and environmental risk of copper particles based wood preservatives
Co-Supervisor Empa: Dr Peter Wick /Dr Francis Schwarze
ETH Zurich, Dept. of Environmental Systems Science

Gökçe, Yazgan

Fabrication & characterization of nanostructured nanofibers: Loading nanofibers with biologically active ingredients (growth factors); Assessment of the drug-loaded nanofibers as a bone tissue engineering scaffold
Supervisor Empa: Dr Katharina Maniura
Co-Supervisor Empa: Dr Ana-Maria Bühlmann
ETH Zurich, Dept. Gesundheitswissenschaften und Technologie

Grafmüller, Stefanie

Nanoparticle transport across the human placenta
Supervisor Empa: Prof Harald Krug
Co-Supervisor Empa: Dr Peter Wick
Universität Bern, Fakultät für Medizin ◆

Huber, Rebecca

Morphological gradients for protein adsorption and cell studies
Co-Supervisor Empa: Dr Katharina Maniura
ETH Zurich, Dept. of Materials ◆

Materials-Biology Interactions

Mouth, Carina

Establishment of an in vitro placental microtissue model using hanging Drop technology to study nanoparticle effects and uptake mechanisms

Co-Supervisor Empa: Dr Peter Wick /Dr T. Bürki-Thurnherr

Universität Basel, Fakultät für Pharmazie ◆

Mulky, Elias

Bone Substitute Materials Reinforced with Nanofibres: Effect of Delayed Fibre Degradation on Cells and Tissues

Co-Supervisor Empa: Dr Katharina Maniura

ETH Zurich, Mechanical and Process Engineering ◆

Studer, Deborah

2D Patterned Co-Culture Systems for Investigating Stem Cell Differentiation

Co-Supervisor Empa: Dr Katharina Maniura

ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Dürager, Christian

Development of a Structural Health Monitoring System for Aerospace Application

Co-Supervisor Empa: Dr Andreas Brunner

ETH Zurich, Institut für Automatik ○

Eleni, Toumpanaki

Dauerhaftigkeit von mit nanomodifizierten CFK Drähten vorgespannten filigranen Hochleistungsbeton (HLB) Bauteilen

Co-Supervisor Empa: Dr Gianni Terrasi

University of Cambridge (UK), Dept. Civil Engineering, ◆

Haba, Dietmar

Nanocomposites Based on Epoxy

Co-Supervisor Empa: Dr Andreas Brunner

University of Fribourg ◆

Maluk, Cristian

Fire-safe performance, design, and application of high-performance carbon fibre prestressed concrete structural elements

Co-Supervisor Empa: Dr Gianni Terrasi

University of Edinburgh (UK), Dept. Civil Engineering, ◆

Przybilla, Constanze

Mechanical characterization of materials in fracture and fatigue for transferability to real structures focused on the size effect.

Co-Supervisor Empa: Roland Koller

University of Gijon ◆

Ritschel, Franziska

Characterization of failure mechanisms of plywood and LVL from the macroscopic to the microscopic scale by combining optical methods, acoustic emission analysis, electron microscopy and X-ray tomography

Co-Supervisor Empa: Dr Andreas Brunner

ETH Zurich, Inst. for Building Materials ◆

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

Co-Supervisor Empa: Bernhard Weisse /Christian Affolter

ETH Zurich, Inst. for Biomechanics ◆

Weiss, Florian

Nanostructures for Artificial Muscles (NAM)

Co-Supervisor Empa: Dr Gabor Kovacs

Universität Basel ◆

Ehrhardt, Frank

Lifetime assessment of 700°C steam turbine weldments

Supervisor Empa: Prof Edoardo Mazza

Co-Supervisor Empa: Dr Stuart Holdsworth

ETH Zurich ◆

Frigerio, Marco

Evaluation of the influence of time at temperature on the properties of AlMgSi overhead conductor wires

Supervisor Empa: Prof Edoardo Mazza

Co-Supervisor Empa: Dr Stuart Holdsworth

ETH Zurich ◆

Hosseini, Ehsan

Prediction of long time creep rupture properties of welded joints using the results of short duration creep crack incubation tests

Supervisor Empa: Prof Edoardo Mazza

Co-Supervisor Empa: Dr Stuart Holdsworth

ETH Zurich ○

Mechanical Systems Engineering

Mechanics for Modelling and Simulation

◆ in progress

○ submitted in 2013

Röthlisberger, André

Arc erosion in contact materials: modelling and model experiments
Co-Supervisor Empa: Prof Edoardo Mazza
ETH Zurich ◆

Vacchieri, Erica

Creep-fatigue Interaction and small size testing techniques
Supervisor Empa: Prof Edoardo Mazza
Co-Supervisor Empa: Dr Stuart Holdsworth
ETH Zurich ◆

Yan, Wentao

Creep-fatigue crack growth resistance of advanced 10%Cr rotor steels
Supervisor Empa: Prof Edoardo Mazza
Co-Supervisor Empa: Dr Stuart Holdsworth
ETH Zurich ◆

Keith, Thomas

Combinatorial studies of mechanical properties of multilayer thin films
Co-Supervisor Empa: Dr Johann Michler
ETH Zurich, Dept. Materials Science ◆

Mieszala, Maxime

Mechanical properties of 3D metallic architected materials
Co-Supervisor Empa: Dr Laetitia Philippe /Dr Johann Michler
EPF Lausanne ◆

Nowag, Kai

Anisotropy in the deformation mechanisms of hard to machine metal alloys (preliminary)
Co-Supervisor Empa: Dr Rudy Ghisleni
University of Technology Braunschweig (DE) ○

Szkudlarek, Aleksandra

Magneto- and piezoresistive properties of nanostructures created by Focused-Electron-Beam-Induced-Deposition
Co-Supervisor Empa: Dr. Ivo Utke
AGH University of Science and Technology in Krakow (PL) ◆

Wehrs, Juri

Mechanical Properties of Nanocrystalline Metals
Co-Supervisor Empa: Dr Johann Michler
EPF Lausanne, Dept. Materials Science ◆

Scheller Lichtenauer, Matthias

Measurement and Modeling of Multi-Attribute Psychometric Scales
Co-Supervisor Empa: Dr Peter Zolliker
University of Jena (DE) ○

Bliersbach, Andreas

Supervisor Empa: Prof Karl-Heinz Ernst
Co-Supervisor Empa: Prof Andreas Züttel
Universität Zürich ◆

Fontani, Giacomo

Mechanisms of Aqueous Lubrication with Amphiphilic Polymers
Co-Supervisor Empa: Dr Rowena Crockett
ETH Zurich, Dept. Materials Science ◆

Karageorgaki, Chrysanthi

Chiral Molecules@surfaces
Supervisor Empa: Dr Karl-Heinz Ernst
Universität Zürich, Dept. Chemistry ◆

Li, Jingyi

Li-buckybowls hybrid materials for energy storage
Supervisor Empa: Dr Karl-Heinz Ernst
Co-Supervisor Empa: Prof Hans Josef Hug
Universität Zürich ◆

Schwenk Johannes

Friction across Phase Transitions
Supervisor Empa: Prof Hans Josef Hug
Co-Supervisor Empa: Dr Miguel Marioni
Universität Basel ◆

Seibel, Johannes

Helical hydrocarbons at surfaces
Supervisor Empa: Prof Hans Josef Hug
University of Zurich, Dept. Chemistry ◆

Stoeckl, Quirin

CNT precursors@surfaces
Supervisor Empa: PD Dr Karl-Heinz Ernst
Universität Zürich, Dept. Chemistry ◆

Zhang, Xue

MFM
Supervisor Empa: Prof Hans Josef Hug
Universität Basel ◆

Deniz, Okan

Oxide Intercalation for Electronic Decoupling of Graphene Nano Ribbons on Metal Substrates
Co-Supervisor Empa: Prof Roman Fasel /Dr Pascal Ruffieux
Universität Zürich,, Insitute of Physics ◆

Prinz, Jan

Eexperimental surface science investigations of palladium-gallium intermetallics for heterogeneous catalysis
Supervisor Empa: Dr Roland Widmer
EPF Lausanne, Dept. of Physics ◆

Shinde, Prashant

Computational design of graphene based nanostructures
Co-Supervisor Empa: Dr. Daniele Passerone / Carlo Pignedoli
ETH Zurich ◆

Söde, Hajo

Electronic structure of graphene nanoribbons
Supervisor Empa: Prof Roman Fasel
Co-Supervisor Empa: Dr Pascal Ruffieux
Universität Zürich, Dept. Physik ◆

Talirz, Leopold

Organic nanowires with unusual transport properties: A theoretical study
Co-Supervisor Empa: Prof Roman Fasel, /Dr Carlo Pignedoli
Universität Zürich, Dept. Physik ◆

Yakutovich, Aliaksandr

Computational insight into surface chemical reactions within a nanoscience laboratory
Co-Supervisor Empa: Prof Roman Fasel, /
Dr Daniele Passerone
Université Genève ◆

Baumann, Lukas

Light-responsive Membrane for Controlled Material Transport
Co-Supervisor Empa: Dr Lukas Scherer
University of Basel ○

Camerlo, Agathe

Cold Electrospinning
Co-Supervisor Empa: Dr Ana-Maria Bühlmann-Popa
University of Geneva ◆

Frackiewicz-Kaczmarek, Joanna

Contact area and air gap thickness – characterisation under wearing conditions
Co-Supervisor Empa: Dr Agnieszka Psikuta / Dr René Rossi
ENSISA, Mulhouse (FR) ◆

Ghitescu, Roxana Elena

Encapsulated Polyphenols with biological activity
Co-Supervisor Empa: Dr Ana-Maria Bühlmann-Popa
Gheorghe Asachi University,, Faculty of Chemical Engineering ◆

Krehel, Marek

Polymeric Optical Fibers for sensing applications
Supervisor Empa: Prof Gian Luca Bona
Co-Supervisor Empa: Dr Lukas Scherer
ETH Zurich ◆

Lavielle, Nicolas

Temporal and spacial control drug delivery from electrospun biopolyesters
Co-Supervisor Empa: Dr Matthijs de Geus /Dr Linda Thöny
Université de Strassbourg (FR), LIPHT

Martinez Natividad

Prediction of wearing comfort of bicycle helmets
Co-Supervisor Empa: Dr René Rossi
Universidad Politécnic de Valencia (ES) ◆

Mert, Emel

Thermal Effects of the Air Gap and the Contact area in Various Body Postures
Co-Supervisor Empa: Dr Agnieszka Psikuta
ENSISA, Laboratoire de Physique et Mécanique Textiles, Mulhouse (FR) ◆

Protection and Physiology

Quandt, Brit Maike

Optical fiber textiles in non-invasive medical applications for continuous treatment
Supervisor Empa: Prof Gian-Luca Bona
Co-Supervisor Empa: Dr Lukas Scherer
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Wettenschwiler Patrick

Spinal load
Co-Supervisor Empa: Dr René Rossi
ETH Zurich ◆

Widmer Susanne

Polymer Optical Fibre Sensor
Co-Supervisor Empa: Dr Lukas Scherer
Universität Basel ◆

Yazgan Gökçe

Electrospinning for scaffolds
Co-Supervisor Empa: Dr Ana-Maria Bühlmann-Popa / Dr Katharina Maniura
ETH Zurich, Dept. Health Sciences and Technology ◆

Zuber, Stefanie

Intelligent responsive nanofibers
Co-Supervisor Empa: Dr Ana-Maria Bühlmann-Popa
Johannes Gutenberg Universität Mainz (DE) ◆

Road Engineering/ Sealing Components

Bressi, S

Influence of Heterogeneity in Pavement Design Method: A Specific Application to RAP
Supervisor Empa: Prof Manfred Partl
ENAC School of Architecture, Civil and Environmental Engineering, IIC, LAVOC ◆

Jeffroy, E.

Accelerated crack healing in dense asphalt concrete by induction heating
Supervisor Empa: Prof Manfred Partl
Department of Materials ◆

Biruk Wobeshed, Hailesilassie

Measurement of Short-Term Blistering Affecting Bridge Decks with Asphalt Pavements
Supervisor Empa: Prof Manfred Partl
KTH, Väg-och-Banteknik (SE) ◆

Ehsan Ghafoori Roozbahany

Real-Time In-situ Quality Evaluation of Asphalt Pavements During Installation
Supervisor Empa: Prof Manfred Partl
KTH, Väg-och-Banteknik (SE) ◆

Xing Fang

Cold mix asphalt concrete: combination of cementitious materials and asphalt emulsions
Supervisor Empa: Prof Pietro Lura
Co-Supervisor Empa: Dr Alvaro Garcia / Prof Manfred Partl
ETH Zurich ◆

Solid State Chemistry and Catalysis

Fu, Fan

High performance half-Heusler nanocomposite
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Wenjie Xie
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Gałązka, Krzysztof

Novel intermetallic thermoelectric materials, their synthesis and characterization
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Sascha Populoh
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät, Dept. Chemie und Biochemie ◆

Kuc, Jagoda

Investigation of well-defined intermetallic and perovskite based catalysts for steam reforming of methanol and of ethanol to selectively produce hydrogen for fuel cell applications
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Santhosh Kumar Matam / Dr. Davide Ferri
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Lu, Ye

Perovskite-type exhaust gas catalysts for natural gas vehicles
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Santhosh Kumar Matam
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Mägli, Alexandra

Perovskite-type oxynitrides as photoanode materials
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Simone Pokrant
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

◆ in progress

○ submitted in 2013

Solid State Chemistry and Catalysis

Sagarna, Zudaire Leyre

Thermoelectric materials development
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Andrey Shkabko
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Saucke, Gesine

Cost-efficient and reliable thermoelectric converters for industrial waste heat recovery
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Sascha Populoh
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Surace, Yuri

Battery materials based on layered perovskites
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Simone Pokrant
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Thiel, Philipp

High temperature thermoelectric converters for electricity generation in a solid oxide fuel cell system
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Sascha Populoh
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Vogel, Nina

Nanoblock and nanostructured interface design for advanced thermoelectric materials
Supervisor Empa: Prof Anke Weidenkaff
Co-Supervisor Empa: Dr Myriam Aguirre
Universität Bern, Philosophisch-naturwissenschaftliche Fakultät ◆

Structural Engineering

Alves Martins, João

Updated braking forces for the assessment of road bridges
Co-Supervisor Empa: Dr Glauco Feltrin
EPF Lausanne, School of Architecture, Civil and Environmental Engineering (ENAC) ◆

Boberg, Maria

Distributed Attenuation of Wind-Induced Vibration in Long-Span Bridges
Co-Supervisor Empa: Dr Glauco Feltrin
EPF Lausanne, School of Architecture, Civil and Environmental Engineering (ENAC) ◆

Ghafoori, Elyas

Strengthening of steel structures using prestressed CFRP plates
Co-Supervisor Empa: Prof Masoud Motavalli
ETH Zurich, Inst. für Baustatik und Konstruktion ◆

Ginés, Rebekka

Electrostatic modification of the bending stiffness of structural elements
Co-Supervisor Empa: Prof Masoud Motavalli
ETH Zurich, Inst. Science de Base ◆

Janke, Lars

Anwendungen von Formgedächtnislegierungen im konstruktiven Ingenieurbau
Co-Supervisor Empa: Christoph Czaderski
University of Weimar (DE) ◆

Jockwer, Robert

Structural behavior of glued-laminated timber beams with notches at the support or with holes
Co-Supervisor: Dr René Steiger
ETH Zurich, Inst. für Baustatik und Konstruktion ◆

Khash-Erdene, Jalsan

Network planning (prop)
Co-Supervisor Empa: Dr Glauco Feltrin
EPF Lausanne, ETH Zurich ◆

Nerbano, Stella

Earthquake resistant Timber Systems for Multi-Storey Buildings
Co-Supervisor: Dr René Steiger
EPF Lausanne ◆

Sadeghi, Marzaleh Abdola

Prestressing of masonry walls to increase the inplane lateral load bearing capacity
Supervisor Empa: Prof Masoud Motavalli
ETH Zurich, Inst. für Baustatik und Konstruktion ◆

Technology and Society

Bornhöft, Nikolaus

Ereignisdiskrete Modellierung von Stoffflüssen in der Umwelt unter Unsicherheit
Co-Supervisor Empa: Prof Lorenz Hilty /PD Dr Bernd Nowack
University of Zurich, Dept. of Informatics ◆

Hischier, Roland

Prospective LCA of nanotechnology applications in the ICT industry
 Co-Supervisor Empa: Prof Lorenz Hilty
 ETH Zurich ○

Müller, Esther

A methodology to dynamically model the spatial distribution of anthropogenic critical metals stocks and flows
 Co-Supervisor Empa: Dr Mathias Schluemp
 Technische Universität München, Inst. of Resource and Energy Technology ◆

Piccinno, Fabiano

Combined LCA and LCC method for the evaluation of nanocellulose bio-composites
 Co-Supervisor Empa: Claudia Som /Dr Roland Hischier
 Universität Zürich, Mathematisch-Naturwissenschaftliche Fakultät ◆

Reinhard, Jürgen

Regionalization in Life Cycle Inventory Modeling: A method for the integration and use of spatial data in Life Cycle Assessment
 Supervisor Empa: Prof Lorenz Hilty
 Co-Supervisor Empa: Dr Rainer Zah
 University of Zurich, Dept. of Informatics, Informatics and Sustainability Research ◆

Stamp, Anna

Anticipating environmental impacts of scarce metals supply
 Co-Supervisor Empa: Dr Patrick Wäger
 ETH Zurich, Natural and Social Science Interface ◆

Sun, Tianyin

Development and applications of dynamic probabilistic material flow modeling for estimation of quantity and property of engineered nanomaterials released to environmental compartments
 Co-Supervisor Empa: PD Dr Bernd Nowack
 ETH Zurich, Dept. of Environmental Systems Science ◆

Bissig, Benjamin

Microscopic and macroscopic investigation of electrical properties in thin film solar cells
 Supervisor Empa: Prof Ayodhya N. Tiwari /
 Co-Supervisor Empa: Dr Stephan Buecheler
 ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Bissig, Benjamin

Microscopic and macroscopic investigation of electrical properties in thin film solar cells
 Supervisor Empa: Prof Ayodhya N. Tiwari /
 Co-Supervisor Empa: Dr Stephan Buecheler
 ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Bodurov, Georgi

Metal oxides for electrochromic applications
 Supervisor Empa: Prof Ayodhya N. Tiwari
 Co-Supervisor Empa: Dr Yaroslav Romanyuk
 Bulgarian Academy of Sciences ◆

Fella, Carolin

Kesterite absorber materials for thin film solar cells
 Supervisor Empa: Prof Ayodhya N. Tiwari
 ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Fuchs, Peter

Chemical bath deposition of ZnO:Al transparent conducting electrodes
 Supervisor Empa: Prof Ayodhya N. Tiwari /
 Co-Supervisor Empa: Dr Yaroslav Romanyuk
 ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Gretener, Christina

Design and stability of backcontacts for CdTe thin film solar cells
 Supervisor Empa: Prof Ayodhya N. Tiwari
 ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Guntling, Christoph

TBD
 Supervisor Empa: Prof Maksym Kovalenko
 ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Haass, Stefan

Kesterite absorber materials for thin film solar cells
 Supervisor Empa: Prof Ayodhya N. Tiwari /
 Co-Supervisor Empa: Dr Yaroslav Romanyuk
 ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

He, Meng

TBD
 Supervisor Empa: Prof Maksym Kovalenko
 ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Jäger, Timo

Magnetron sputtering of electrical contacts for thin film solar cells
Supervisor Empa: Prof Ayodhya N. Tiwari /
Co-Supervisor Empa: Dr Yaroslav Romanyuk
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Keller, Debora

Electron Microscopy
Supervisor Empa: Prof Ayodhya N. Tiwari /
Co-Supervisor Empa: Dr Rolf Erni
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Kranz, Lukas

Development of highly efficient CdTe solar cells with a low temperature process
Supervisor Empa: Prof Ayodhya N. Tiwari
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Nazarenko, Olga

TBD
Supervisor Empa: Prof Maksym Kovalenko
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Nedelcu, Georgian

TBD
Supervisor Empa: Prof Maksym Kovalenko
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Perrenoud, Julian

Low Temperature Grown CdTe Thin Film Solar Cells for the Application on Flexible Substrates
Co-Supervisor Empa: Prof Ayodhya N. Tiwari
ETH Zurich, Dept. of Physics ○

Pianezzi, Fabian

Influence of impurities on the performance of CIGS thin film solar cells
Supervisor Empa: Prof Gian Luca Bona
Co-Supervisor Empa: Prof Ayodhya N. Tiwari
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Protesescu, Loredana

New synthesis of IR emitting Pb chalcogenide QDs and surface chemistry studies of inorganically capped nanomaterials
Supervisor Empa: Prof Maksym Kovalenko
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Rawlence, Michael

Solid state electrolyte and thin film cathod materials for battery application
Supervisor Empa: Prof Ayodhya N. Tiwari /
Co-Supervisor Empa: Dr Stephan Buecheler
Dept. of Information Technology and Electrical Engineering ◆

Reinhard, Patrick

Doping of CIGS for high-efficiency solar cells
Supervisor Empa: Prof Ayodhya N. Tiwari
Co-Supervisor Empa: Dr. Stephan Buecheler
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Rieger, Alexandra

TBD
Supervisor Empa: Prof Maksym Kovalenko
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Sutter, Carolin

Kesterite absorber materials for thin film solar cells
Supervisor Empa: Prof Ayodhya N. Tiwari /
Co-Supervisor Empa: Dr Yaroslav Romanyuk
ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Uhl, Alex

Low cost processing of Cu (In, Ga) Se₂, solar cells
Co-Supervisor Empa: Prof Ayodhya N. Tiwari
ETH Zurich, Dept. of Materials ○

Walter, Marc

Novel high-energy electrode materials for Na-ion batteries
Supervisor Empa: Prof Maksym Kovalenko
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Wang, Shutato

TBD
Supervisor Empa: Prof Maksym Kovalenko
ETH Zurich, Dept. of Chemistry and Applied Biosciences ◆

Werner, Melanie

Kesterite solar cells by ultra sonic spray pyrolysis

Supervisor Empa: Prof Ayodhya N. Tiwari

Co-Supervisor Empa: Dr Yaroslav Romanyuk

ETH Zurich, Dept. of Information Technology and Electrical Engineering ◆

Farine, Marc

Instrumented Indentation of Soft Materials and Biological Tissues

Co-Supervisor Empa: Dr Alex Dommann

ETH Zurich, Institut für Mechanische Systeme ○

Monachon, Christian

Thermal Boundary Conductance between metals and dielectrics

Co-Supervisor Empa: Dr Alex Dommann

EPF Lausanne, DAF-SAC ○

Empa Activities 2013

Patents

Patents applied for

Empa Laboratory	Empa Inventors / Title	Application No
Biomaterials	Ihssen, Julian / Thöny-Meyer, Linda Novel methods of producing diphtheria toxin as well as nontoxic forms of diphtheria toxin, e.g., CRM197, and compositions comprising such compounds	US61/746,366
	Schmidt-Emrich, Sabrina / Thöny-Meyer, Linda / Ren Zulian, Qun Verfahren zur Verminderung der Adhäsion von Mikroorganismen an Textilien	EP 13 198 710.9
Building Science and Technology	Koebel, Matthias / Zhao, Shanyou / Brunner, Samuel / Simmen, Caroline Verfahren zur Herstellung eines Aerogelmaterials	EP13179185
Center for Synergetic Structures	Luchsinger, Rolf Verfahren und Vorrichtung zur Erzeugung von Energie durch einen Fesselflugkörper	CH1554/13
Functional Polymers	Nüesch, Frank / Hany, Roland / Geiger, Thomas Light harvesting photovoltaic device	EP13180514
Hydrogen and Energy	Gorbar, Michal / Vogt, Ulrich / Bonk, Alexander / Züttel, Andreas Ion permeable membrane layer as separator in an electrolysis cell	CH01014/13
	Parcianello, Giulio / Vogt, Ulrich Fire-resistant protective and insulating coating	EP13001608
	Vogt, Ulrich / Fumei, Benjamin / Biemann, Michael / Züttel, Andreas Catalytic hydrogen burner setup	CH00157/13
Joining Technologies and Corrosion	Longtin, Rémi / Elsener, Hans Rudolf / Leinenbach, Christian / Sanchez-Valencia, Juan Ramon Joining method of CNT assemblies on substrates	CH01665/13
Nanoscale Materials Science	Barker, Paul / Patscheider, Jörg Coating Process for non-conductive substrates and devices made from the coating process	US 61/877,534
	Patscheider, Jörg Hartstoffschichten mit ausgewählter Wärmeleitfähigkeit	DE10 2013 005 437.0
	Thorwart, Kerstin / Hauert, Roland Coating for a Titanium Alloy Substrate	US13/793450
Protection and Physiology	Weder, Markus / Lehmeier, Frederike Wasserdampfdurchlässiges wasserdichtes Textilaminat und Verfahren zu dessen Herstellung	EP13171000.6
Solid State Chemistry and Catalysis	Pokrant, Simone / Simoes, Mario / Weidenkaff, Anke Surface modified lithiated H2V3O8	EP13176170

Empa Activities 2013

Teaching Activities

Swiss Federal Institute of
Technology, Zürich (ETH)

Architecture	Carmeliet J. <ul style="list-style-type: none">• Building Physics 1+ 2: heat• Building Physics 2: energy and comfort• Building Physics 2: moisture and durability• Building Physics 2: urban physics
	Dorer, V Building Physics 4
	Eggenschwiler, K. Raumakustik
	Ghazi Wakili K. Tageslicht
	Hugi, E. Brandschutz
	M. Koebel Baustoffe 2: Kunststoffe (1/2 Modul)
	Moonen. P <ul style="list-style-type: none">• Buildings Physics 2 + 4• Moisture & Durability
	Orehounig, K. <ul style="list-style-type: none">• Building Physics 1: Heat• Building Physics 3: Energy and Comfort
	Richner, P./Zimmermann, T./Winnefeld, F./von Trzebiatowski, O. Baustoffkunde I
	Winnefeld, F. Mineral building materials as part of the lecture «Baustoffe I», Bachelor Programme Architecture
	Zimmermann, T. Baustoffkunde I + 2: Holz
Biology	Thöny-Meyer, L. Applied Microbial Biotechnology 551-1124-00L / Biologie I – Teil Genetik
Chemistry and Applied Biosciences	Ernst, K.-H. Surface Science of Catalysis
	Kovalenko, M.V./Romanyuk, Y.E. Functional Inorganics
Civil and Environmental Engineering	Gerecke, A.C./Henne, S Air Pollution Modeling and Chemistry
	Wang, J./Buchmann, B Luftreinhaltung
Civil, Environmental and Geomatic Engineering	Partl, Manfred Werkstoffe I
Computer Science	Simon, K. Farbe im Digitalen Publizieren
Earth Sciences	Liati, A. Advanced Geochronology
Environmental Engineering	Brunner, A. J. Anwendung amorpher Materialien im Bauwesen
	Brunner, D. Einführung in die Chemie und Physik der Atmosphäre
	Buchmann, B. Luftreinhaltung 1
	Burgert, I. <ul style="list-style-type: none">• Holz und Holzwerkstoffe• Holzphysik• Werkstoffe 1 + IV
	Burlando, P./Wang, J. Seminar Umweltingenieurwissenschaften
	Eggenschwiler, K./Wunderli, J.M. Lärmbekämpfung

	Hofer, P. Luftreinhaltung 1+ 2a
	Leemann, A. Alkali-aggregate reaction in concrete, part of the «Concrete Science» course
	Lura, P. Shrinkage and Cracking of Concrete: Mechanisms and Impact on Durability, Civil Engineering Masters
	Motavalli, M. Fibre composite material in structural Engineering
	Müller, E. Prospective Environmental Assessments
	Partl, M. Bituminous Materials
	Steiger, R. Holz und Holzwerkstoffe
	Wang, J. Air quality and aerosol mechanics / Environment and Computer Laboratory, ESD (Ecological System Design) 2: Introduction to Indoor Particle Measurements
Environmental Engineering Sciences	Nowack, B. Nanomaterials and the Environment
	Tuchschmid Martin/Gfeller Urs Mobile Röntgenfluoreszenz-Spektrometrie
Environmental Systems Science	Nowack, B. Gesellschaftlicher Umgang mit aktuellen Umweltrisiken
	Som, C. Gesellschaftlicher Umgang mit aktuellen Umweltrisiken
Health Sciences and Technology	Annaheim, Simon Praktikum Sportphysiologie
	Maniura, K. Biocompatible Materials I / II
	Rossi, René Sportphysiologie
	Stämpfli, R. Biomechanik von Sportverletzungen und Rehabilitation: Mechanische Prüfung von Schutzausrüstung
Humanities, Social and Political Sciences	Simon, K. Technik des Digitalen Publizierens
Information Technology and Electrical Engineering	Heutschi, K. <ul style="list-style-type: none"> • Akustik 1 und 2 • Akustisches Kolloquium
	Sennhauser, U./Grossmann, G. Physik der Ausfälle und Ausfallanalyse elektronischer Schaltungen
	Sennhauser, U./Held, M. Zuverlässigkeit von Geräten u. Systemen
	Tiwari, A.N./Romanyuk, Y.E./Buecheler, S. Solar Cells
Materials	Barbezat, M. Integrity of Materials and Structures
	Clemens, F. <ul style="list-style-type: none"> • Advanced Composite and Adaptive Material Systems • Verbundwerkstoffe
	Erni, Rolf Electron microscopy in material science
	Ernst, K.-H. Biomineralization
	Graule, T. <ul style="list-style-type: none"> • Integrity of Materials and Structures • Keramik I
	Hegemann, D. Materials at Work II
	Heuberger, M. «Surfaces and Interfaces» im Masterstudiengang Materialwissenschaften

	Krug, H.F. Frontiers in Nanotechnology
	Kübler, J. Mechanical Properties of Ceramics
	Patscheider, J. Functional Surfaces
	Populoh, S./Saucke, G./Sagarna, L./Weidenkaff, A./Galazka, K./Thiel, P./Fu, F. Praktikum Materialsynthese und Charakterisierung
	Romer, S./Patscheider, J. Praktikum III
	Schmutz P. Surfaces, Interfaces and their Applications II
	Terrasi, G.P./Clemens, F. Advanced Composite and Adaptive Material Systems
Mechanical and Process Engineering	Bergamini, A. Adaptive Materials for Structural Applications
	Campanile, L.F. Aeroelastik
	Dimopoulos Eggenschwiler, P. Abgasnachbehandlung in modernen Dieselmotoren / Übung Abgasmesstechnik
	Hack, E./Brönnimann, R. Optical Methods in Experimental Mechanics
	Koller, R./Guillaume, M. Betriebsfestigkeit
	Kovacs, G. Seilbahnen
	Mazza, E. <ul style="list-style-type: none"> • Continuum Mechanics for Engineers • Mechanik I (Kolloquium) • Mechanik I + II (Deformationen)
	Mazza, E. / Kress, G. Methoden der Strukturanalyse
	Mazza, E./Röhrnbauer, B. Non linear continuum mechanics
	Spiteri, A. Experimental Methods for Engineers
	Terrasi, G.P. GL zum Bemessen von Kunststoffbauteilen
	Weisse, B. Dimensionieren
	Graule, T. Nanopowders and Nanoceramics / Gast-Professur
Department of Solid State Physics	Utke, I. Novel Concepts for 3D Nanoengineering
IT	Vaucher, S. NWTEC1-2 Elektronik und Signalübertragung
Atmospheric Chemistry Modelling Laboratory	Reimann, S. Measurements of air pollutants
Doctoral Program in Materials Science and Engineering	Ivo Utke / Patrik Hoffmann MSE 619 Nanofabrication with Focused Electron and Ion Beams
Institut für Materialwissenschaften	Nüesch, F. A. Organic Semiconductors
Doctoral School for photonics EDPO	Nüesch, F. A. Modern Photovoltaic Technologies
Doctoral School	Nüesch, F. A./Romanyuk, Y.E./Haug, F.J. Modern Photovoltaic Technologies
Materials Science	Michler J./Vaucher S./Siegmann S. Materials Selection
Materials Science, Laboratory of Construction Materials, Master	Lothenbach, Barbara Thermodynamic modelling and determining solid solution limits

École Polytechnique Fédérale, Lausanne (EPF)	Mechanics	Michler J. / Balic E. Thin Film Mechanics
	Microtechnique	Hoffmann, P. <ul style="list-style-type: none"> • Chimie des Surfaces • Micro-usinage Laser
	Science et Génie des Matériaux	Lüthi, T. Non-destructive Evaluation Methods
Fachhochschule, Bern	STI	Vaucher, S. Materials Selection
	Institute of Applied Laser, Photonics and Surface Technologies ALPS	Michler, J. Matériaux modernes
	Institute of Applied Laser, Photonics and Surface Technologies ALPS	Utke, I. Matériaux modernes
	Bautechnik	Piskoty, G. Metallische Baustoffe
Fachhochschule Nordwestschweiz	Energie- und Umwelttechnik	Gerecke, A.C. Umweltchemie
	Business Administration & Engineering	Gauch, M. Umwelt- und Ressourcenmanagement
Fachhochschule, St. Gallen		Hischier, R. Umwelt- und Ressourcenmanagement
		Hischier, R. Ökologie im Verpackungsbereich
	Institut des Microtechnologies Appliquées Arc	Patscheider Jörg Nanocomposite coatings for mechanical applications
HAFL, Hochschule für Agrar-, Forst- und Lebensmittelwissenschaften, Bern		Hischier, R. Ökologie
	Haute Ecole Arc, Neuchâtel	
Höhere Fachschule für Technik und Management der grafischen Industrie Zürich, Wallisellen	T&A	Dorer, V. Natural and hybrid ventilation
	Technik und Architektur	Hilty, L. CAS Green IT
Hochschule Luzern		Hugi, E. Prüfen und Klassieren
	CAS Green IT	Müller, E. Materialflüsse und Umweltauswirkungen der Dienstleistung Internet
	Institut für Wissen, Energie und Rohstoffe (CAS Recycling und umweltgerechte Entsorgung)	Wäger, P. Rohstoffversorgung & nachhaltige Entwicklung
HSR Hochschule für Technik Rapperswil	Master of Engineering in Packaging Technology	Hischier, R. Sustainability in Packaging
IPI – International Packaging Institute, Schaffhausen	Highway and Railway Engineering	Partl, Manfred <ul style="list-style-type: none"> • Advanced Rheology • Advanced Pavement Engineering: Analysis and Design
KTH Royal Institute of Technology, Stockholm (SE)	Allgemeine, analytische und physikalische Chemie	Rösslein, M. <ul style="list-style-type: none"> • Mess- und Ergebnisunsicherheit • Prozessanalytik und Prozessfähigkeit
Montan Universität, Leoben AT	Packaging Manager / Grundlagenseminar	Hischier, R. Ökologie im Verpackungsbereich
Schweizerisches Verpackungsinstitut, SVI, Zürich	–	Partl, M. Baustoffkunde
Technical College TSH Pfäffikon	Verfahrens- und Umwelttechnik	Graule, T. Nano- und Biokeramik
Technische Universität Freiberg (DE)		

**Technische Universität
Kaiserslautern (DE)**
**Technische Universität
München (DE)**
**Università degli studi Parma
(IT)**

**Universität Freiburg im
Breisgau (DE)**

Universität Zürich
**University of Applied
Sciences, Horw**
**University of Applied
Sciences, Rapperswil**

**University of Applied
Sciences, Sion**
**University of Applied
Sciences, St. Gall**

**University of Applied
Sciences, Wädenswil**

**University of Applied
Sciences, Winterthur**

**University of Applied
Sciences, Zurich**

University of Basel

Maschinenbau und Verfahrenstechnik	Leinenbach, C. Metallische Hochleistungswerkstoffe
Wissenschaftszentrum Weihenstephan	Jacob, P. Einführung in die Rasterelektronenmikroskopie
Ingegneria Industriale	Dimopoulos Eggenschwiler, P. Tecnologie Innovative Di Post-Trattamento die Gas Scarico nei motori Diesel: ricerca e sperimentazione – Exhaust aftertreatment technologies in Diesel engines: Research and development
Forest Sciences	Schubert, M. Dendrologie
	Schwarze, F. <ul style="list-style-type: none"> • Holzpathologie • Holzschutz I • Holzschutz II
Fakultät für Chemie, Pharmazie und Geowissenschaften	Vogt, U. <ul style="list-style-type: none"> • Angewandte Mineralogie mit dem Schwerpunkt Keramik • Technical and Applied Mineralogy / CRY5 631 Modern Ceramics, Cements, and Glasses
CUREM	Ghazi Wakili K. Bauphysik Grundlagen
Bautechnik	Looser, R. Beton und Bindemittel
Mechanical Engineering	Weilenmann, M. Messtechnik
Renewable Energies and Environmental Engineering	Weilenmann, M. Messtechnik und Datenerfassung
Chemistry	Emmenegger, Lukas Air Pollution
Business Administration & Engineering	Hischier, R. Umwelt- und Ressourcenmanagement
Business Administration & Engineering	Wäger, P. Umwelt- und Ressourcenmanagement
Biotechnology	Hüglin, C. Air Pollution
Chemistry	Gehrig, R. Luftschadstoffe in der Schweiz, eine Übersicht über Quellen, Messungen, Trends
Institute of Chemistry and Biological Chemistry	Heeb, N. Ökologe: Chemie und Umwelt
Life Sciences und Facility Management	Bach, C. Nachhaltige(re) verbrennungsmotorische Antriebe
Verfahrenstechnik, Department of Industrial Technologies	Clemens, F. Funktionsmaterialien
IBT Institut für Biotechnologie	Gauch, M. Umweltauswirkungen von Biotreibstoffen
Institut für Chemie und Biologische Chemie	Wick, P. Biomaterialien
Architecture (berufsbegleitend)	Looser, R. Bauchemie, Teil mineralische Baustoffe
-	Raab, C. Materialtechnologie A&B
Architecture	Zimmermann, T. <ul style="list-style-type: none"> • Bauchemie Holz • Bauchemie Holz, Laborübungen
Physics	Hug, Hans J. Exams Magnetism and Magnetic Materials
	Hug, Hans J., u. a. Introduction to NanoScience
	Marioni, Miguel A. <ul style="list-style-type: none"> • Exams Magnetism and Magnetic Materials • Introduction to NanoScience

University of Basel	Umweltwissenschaften	Reimann, S. <ul style="list-style-type: none"> • Aktuelle Umweltprobleme in den Geowissenschaften (Klima, Boden, Stoffkreisläufe) • Umweltsystem Atmosphäre: Luftverschmutzung und Klimaerwärmung
University of Berne	Chemistry	Populoh, S./Saucke, G./Sagarna, L./Weidenkaff, A./Galazka, K./Thiel, P./Fu, F./Surace, Y./Simoes, M./Keav, S./Kuc, J./Matam, S. AC II Praktikum
		Surace, Y./Simoes, M./Yoon, S./Kuc, J./Matam, S./Saucke, G./Fu, F./Populoh, S./Galazka, K./Sagarna, L./Galazka, K./Xie, W./Brunko, O./Karvonen, L. AC III Praktikum
	Chemistry and Biochemistry	Fasel, R. Introduction to the Physics & Chemistry of Surfaces
		Meyer, V. <ul style="list-style-type: none"> • Chromatographic Analysis • Measurement Uncertainty in Chemical Analysis
		Weidenkaff, A. Materials for Future Energy Technologies
	Medizinische Fakultät, Biomedical Engineering	Dommann, A./Luginbühl, R. Kurs 1017.01 HS 2017 Biomaterials
	Oeschger Center	Riffler, M./Raible, C./Krug, H.F. Graduate Seminar Climate Sciences
University of Fribourg	Physik	Züttel, A. <ul style="list-style-type: none"> • Physik im Alltag • Umweltwissenschaften
University of Teheran (IR)	Faculty of Civil Engineering	Motavalli, M. Fibre composite material in structural Engineering
University of Zurich	Chemistry	Ernst, K.-H. Chemical Processes at Solid Surfaces
	Informatik	Hilty, L. Informatik, Ethik und Gesellschaft (FS 2012), Informatik für Ökonomen (FS 2012), Informatik und nachhaltige Entwicklung (HS 2012)
	Physikalische Chemie	Borgschulte, A. Nanochemistry
Warsaw University of Technology (PL)	Materials Science and Engineering	Janczak-Rusch, Jolanta How to write a good PhD thesis
ZHdK Zurich University of the Arts	Music Dept.	Heutschi, K. Audiotechnik
Zürcher Hochschule für Angewandte Wissenschaften. Wädenswil	Institute of Chemistry and Biological Chemistry	Zennegg, M. Ökologie: Chemie und Umwelt

Empa Activities 2013

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

Scholder, O./Jefimovs, K./Shorubalko, I./Hafner, C./Sennhauser, U./Bona, G. -L

Helium focused ion beam fabricated plasmonic antennas with sub-5 nm gaps. *Nanotechnology* 2013, 24(39), Article number 395301 (6 pp.) (joint paper) *

Tisserant, J. -N/Wicht, G./Bocek, E./Bona, G. -L/Geiger, T./Hany, R./Mezzenga, R./Partel, S./Schmid, P./Schweizer, W. B./Heier, J.

Growth and alignment of thin film organic single crystals from dewetting patterns. *ACS Nano* 2013, 7(6), 5506–5513 (joint paper) *

Media Technology

Glavitsch, U./Simon, K.

A cognition-oriented approach to fundamental frequency estimation. 10th International Workshop on Natural Language Processing and Cognitive Science (NLPCS 2013), Marseille, France, 15–16 October 2013, 105 (12 pp.)-116

Kuepper, D./Barańczuk, Z./Caluori, U./Sprow, I./Scheller Lichtenauer, M./Simon, K./Zolliker, P.

High dynamic range imaging: is the game worth the candle? 21st Color and Imaging Conference Final Program and Proceedings (CIC21), Albuquerque, New Mexico, 4–8 November 2013, 231–235

Lissner, I./Preiss, J./Urban, P./Scheller Lichtenauer, M./Zolliker, P.

Image-difference prediction: from grayscale to color. *IEEE Transactions on Image Processing* 2013, 22(2), 435–446 *

Scheller Lichtenauer, M./Schuetz, P./Zolliker, P.

Interaction improves perception of gloss. *Journal of Vision* 2013, 13(14), no. 14 (13pp.) (joint paper) ■

Scheller Lichtenauer, M./Zolliker, P./Sprow, I.

Choice-based experiments in multiple dimensions. *Color Research and Application* 2013, 38(5), 334–343 *

Sprow, I./Kuepper, D./Baranczuk, Z./Zolliker, P.

Image quality assessment using a high dynamic range display. AIC Colour 2013: 12th Congress of the International Colour Association, Newcastle upon Tyne, UK, 8–12 July 2013, 307–310 (joint paper)

Zolliker, P./Barańczuk, Z./Kuepper, D./Sprow, I./Stamm, T.

Creating HDR video content for visual quality assessment using stop-motion. Eusipco 2013: 21th European Signal Processing Conference, Marrakech, Morocco, 9–13 September 2013, 5 pp. (1569739761) (joint paper)

Advanced Materials and Surfaces

Longtin, R./Elsener, H. -R/Sanchez-Valencia, J. R./Cloetta, D./Nilsson, L. -O/Leinenbach, C./Gröning, O./Gröning, P.

High-temperature processable carbon–silicate nanocomposite cold electron cathodes for miniature X-ray sources. *Journal of Materials Chemistry C: Materials for optical and electronic devices* 2013, 1(7), 1368–1374 (joint paper) *

Morgenstern, K./Lorente, N./Rieder, K. -H

Controlled manipulation of single atoms and small molecules using the scanning tunnelling microscope. *Physica Status Solidi B* 2013, 250(9), 1671–1751 *

Cabanes-Sempere, M./Catalá-Civera, J. M./Peñaranda-Foix, F. L./Cozzo, C./Vaucher, S./Pouchon, M. A.

Characterization method of dielectric properties of free falling drops in a microwave processing cavity and its application in microwave internal gelation. *Measurement Science and Technology* 2013, 24(9), Article number 095009 (9pp) *

Crisan, O./Crisan, A. D./Vasiliu, F./Mercioniu, I./Stir, M./Nicula, R./Hoffmann, P.

Direct formation and thermal stability of exchange-coupled FePt-based nano-composite magnets. Fifth Seeheim Conference on Magnetism, Frankfurt, Germany, 29 September–03 October 2013,

Hammoud, H./Vaucher, S./Valdivieso, F.

Effect of the porosity on the thermophysical properties of cerium oxide up to 1300K and their implications for microwave sintering of spherical ceria gels. 14th International Conference on Microwave and High Frequency Heating (Ampere 2013), Nottingham, UK, 16–19 September 2013, 13 pp.

Kuzminykh, Y./Dabirian, A./Reinke, M./Hoffmann, P.

High vacuum chemical vapour deposition of oxides: A review of technique development and precursor selection. *Surface & Coatings Technology* 2013, 230, 13–21 *

Kwon, H./Lee, G. G./Leparoux, M./Kawasaki, A.

Functionally graded dual-nanoparticulate-reinforced aluminum matrix composite materials. *Journal of Physics Conference Series* 2013, 419(1), Article number 012004 (4 pp.)

Advanced Materials Processing

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- Kwon, H./Takamichi, M./Kawasaki, A./Leparoux, M.**
Investigation of the interfacial phases formed between carbon nanotubes and aluminum in a bulk material. *Materials Chemistry and Physics* 2013, 138(2-3), 787-793 *
- Mahadik, S. A./Parale, V./Vhatkara, R. S./Mahadik, D. B./Kavale, M. S./Wagh, P. B./Gupta, S./Gurav, J.**
Superhydrophobic silica coating by dip coating method. *Applied Surface Science* 2013, 277, 67-72 *
- Pathak, S./Doherty, R. D./Rollett, A. D./Michler, J./Wasmer, K.**
Caught in the act: Grain-switching and quadrjunction formation in annealed aluminum. *Scripta Materialia* 2013, 69(1), 37-40 (joint paper) *
- Pouvreau, C./Wasmer, K./Hessler-Wyser, H./Ganière, J. -D/Breguet, J. -M/Michler, J./Schulz, D./Giovanola, J. H.**
Nanoindentation cracking in gallium arsenide: Part II. TEM investigation. *Journal of Materials Research* 2013, 28(20), 2799-2809 (joint paper) *
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- Reinke, M./Kuzminykh, Y./Hoffmann, P.**
Limitations of geometrically controlled growth of TiO₂ films by hard shadow mask HV-CVD. EuroCVD 19, Varna, Bulgaria, 02 September 2013,
- Reinke, M./Kuzminykh, Y./Malandrino, G./Hoffmann, P.**
Precursor adsorption efficiency of titanium tetra isopropoxide in the presence of a barium β-diketonate precursor. *Surface & Coatings Technology* 2013, 230, 297-304 *
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Surface Fatigue of Al-Metal Matrix Composites at Impact Loading. *Key Engineering Materials* 2013, 527, 119-124
- Wasmer, K./Boehlen, K.**
Light Patterning by High Precision Excimer Laser Processing: Ultrafast machining of optical elements at large scale. 12th International Nanotechnology Exhibition & Conference: Nano Tech 2013, Tokyo, Japan, January 30-February 02, 2013,
- Wasmer, K./Parlinska-Wojtan, M./Graça, S./Michler, J.**
Sequence of deformation and cracking behaviours of Gallium-Arsenide during nano-scratching. *Materials Chemistry and Physics* 2013, 138(1), 38-48 (joint paper) *
- Wasmer, K./Pouvreau, C./Breguet, J. -M/Michler, J./Schulz, D./Giovanola, J. H.**
Nanoindentation cracking in gallium arsenide: Part I. In situ SEM nanoindentation. *Journal of Materials Research* 2013, 28(20), 2785-2798 (joint paper) *
- Abakumov, A. M./Erni, R./Tsirlin, A. A./Rossell, M. D./Batuk, D./Néner, G./Van Tendeloo, G.**
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- Abel, S./Sousa, M./Rossel, C./Caimi, D./Rossell, M. D./Erni, R./Fompeyrine, J./Marchiori, C.**
Controlling tetragonality and crystalline orientation in BaTiO₃ nano-layers grown on Si. *Nanotechnology* 2013, 24(28), Article number 285701 (8 pp.) *
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A strong electro-optically active lead-free ferroelectric integrated on silicon. *Nature Communications* 2013, 4, Article number 1671 (6 pp.) *
- Aguiar, J. A./Reed, B. W./Ramasse, Q. M./Erni, R./Browning, N. D.**
Quantifying the low-energy limit and spectral resolution in valence electron energy loss spectroscopy. *Ultramicroscopy* 2013, 124, 130-138 *
- Bodnarchuk, M. I./Erni, R./Krumeich, F./Kovalenko, M. V.**
Binary superlattices from colloidal nanocrystals and giant polyoxometalate clusters. *Nano Letters* 2013, 13(4), 1699-1705 (joint paper) *
- Bora, D. K./Braun, A./Erni, R./Müller, U./Döbeli, M./Constable, E. C.**
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- Borgschulte, A./Gallandat, N./Probst, B./Suter, R./Callini, E./Ferri, D./Arroyo, Y./Erni, R./Gorbar, M./Geerlings, H./Züttel, A.**
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Potassium-induced surface modification of Cu(In,Ga)Se₂ thin films for high-efficiency solar cells. *Nature Materials* 2013, 12(11), 1107-1111 (joint paper) *

- Flaka, D./Braun, A./Mun, B. S./Park, J. B./Parlinska-Wojtanf, M./Graule, T./Rekas, M.**
Spectroscopic assessment of the role of hydrogen in surface defects, in the electronic structure and transport properties of TiO₂, ZnO and SnO₂ nanoparticles. *Physical Chemistry Chemical Physics* 2013, 15(5), 1417–1430 (joint paper) *
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A General Approach To Fabricate Fe₃O₄ Nanoparticles Decorated with Pd, Au, and Rh: Magnetically Recoverable and Reusable Catalysts for Suzuki CC Cross-Coupling Reactions, Hydrogenation, and Sequential Reactions. *Chemistry-A European journal* 2013, 19(36), 11963–11974 *
- Huang, M. R. S./Erni, R./Liu, C. P.**
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Searching for global descriptors of engineered nanomaterial fate and transport in the environment. Accounts of Chemical Research 2013, 46(3), 844–872 *

Windler, L./Height, M./Nowack, B.

Comparative evaluation of antimicrobials for textile applications. Environment International 2013, 53, 62–73 ■

Empa Activities 2013

Conferences

General Management

Dommann, A.	Drift and aging investigations in silicon-based sensors MicroCar 2013, Dresden, DE, 02-25 🍷 ○
Dommann, A.	Collaboration between Russia and Switzerland, Moskau, RUS, 09-12 🍷 ○
Dommann, A.	HRXRD Defect analysis on Sensors MNE-Conference, Ede, NL, 12-11 🍷 ○
Krug, H.F.	NanoTalk, Nanotec Institute Bangkok, TH, 02-14 🍷 ○
Krug, H.F.	Nano-Safety Workshop, Naresuan University, Pithsanulok, TH, 03-01 🍷 ○
Krug, H.F.	NanoFibre Workshop, Chulalongkorn University, Bangkok, TH, 03-13 🍷 ○
Krug, H.F.	NanoTalk, Nanotec Institute Bangkok, TH, 03-14 thru 15 🍷 ○
Krug, H.F.	CeNTech, Universität Münster, DE, 09-13 🍷 ○
Krug, H.F.	2. WMTF, Messe Luzern, 09-17 thru 19 ■
Krug, H.F.	SETAC Jahrestagung, Universität Essen, DE, 09-23 thru 26 ■ 🍷 🍷 ○
Krug, H.F.	Marina-Workshop, NIMS, Japan, JP, 10-23 🍷 ○
Krug, H.F.	6th Int. Symp. Nanotechnol. Occup. Environm. Health, Nagoya, JP, 10-28 thru 31 ■ 🍷 🍷 ○
Krug, H.F.	BAM-Seminar, Berlin, DE, 11-25 🍷 ○
Krug, H.F.	Technologiegespräch des BMBF, Berlin, DE, 11-26 🍷 ○
Krug, H.F.	Symposium on In Vitro Medical Device Testing, Johns-Hopkins-University, Baltimore, US, 12-10 thru 11 🍷 ○
Richner, P.	The transformation of the existing building stock: A precondition for a sustainable future, COST Meeting, Wien, AT, 03-14 thru 15 🍷 ○
Richner, P.	Analysis of Catastrophic Failures in Switzerland, ACI Spring Meeting, Minneapolis, US, 04-13 thru 17 🍷 ○
Richner, P.	Forschung und Entwicklung für die Energiewende, Mitgliederversammlung Trägerschaft Energiestadt, Zurich, 04-25 🍷 ○
Richner, P./Zimmermann, M./Weber, R.	NEST – A research and technology transfer platform of the ETH Domain, Building Test Expo, Köln, DE, 06-11 thru 13 🍷 ○
Richner, P./Zimmermann, M./Weber, R./Largo, R.	NEST – A holistic, dynamic and flexible research platform for sustainable construction, Urban ICERC Conference, Bukarest, RO, 10-18 thru 19 🍷 ○
Caluori, U./Simon, K.	An OCR concept for Historic Prints, IS&T Archiving, Washington DC, US, 04-02 thru 05 ◆
Caluori, U./ Simon, K.	Glyph Recognition by Pattern Matching with On-the-fly Generated Patterns/Softcom, Primosten/Split, CR, 09-18 thru 20 🍷
Caluori, U./Simon, K.	Similarity Measures for Pattern Matching On-the-fly/6th Int. Conf. on Machine Vision, London, GB, 11-16 thru 17 🍷
Glavitsch, U./ Simon, K.	A Cognition-Oriented-Approach to Fundamental Frequency Estimation/ 10th Int. Workshop on Natural language Processing and Cognitive Science, Marseille, FR, 10-16 thru 16 🍷
Glavitsch, U./ Szakos, J.	Authentische Lernmaterialien / Internationale DeutschlehrerInnentagung, Bozen, IT, 07-29 thru 08-03 🍷

Media Technology

Küpper, D./ Baranczuk, Z./ Caluori, U./ Sprow, I./ Scheller Lichtenauer, M./ Simon, K./ Zolliker, P.
High dynamic range imaging: is it worth the candle? / 21st Color Imaging Conference, Albuquerque, US, 11-04 thru 08 ◆

Scheller Lichtenauer, M./ Schuetz, P./ Zolliker, P.
Interaction improves judgements of surface reflectance properties / European Conf. on Visual perception, Bremen, DE, 08-25 thru 29 ◆

Sprow, I./ Küpper, D./ Baranczuk, Z./ Zolliker, P.
Image quality assessment using a high dynamic range display / 12th International AIC Colour Congress, Newcastle upon Tyne, GB, 07-08 thru 12 ♣

Zolliker, P. / Baranczuk, Z./ Küpper, D./ Sprow, I./ Stamm, T.
Creating HDR Video Content for visual quality assessment using stop motion/Eusipco, Marrakech, MO, 09-09 thru 13 ♣ ○

Advanced Materials and Surfaces

Crisan O./Crisan A.D./Vasiliu F./Mercioniu I./Stir M./Nicula R./Hoffmann P.
Direct formation and thermal stability of exchange-coupled FePt-based nanocomposite magnets, Frankfurt, DE, 09-29 thru 10-03 ◆

Delval C./Leparoux M.
Non-invasive Process Diagnostics of Nanoparticle synthesis in an inductively coupled plasma reactor / Int Conf Nanoscience Technology, Paris, FR, 09-9 thru 13 ♣

Equis S./Meylan M./Wasmer K./Jacquot P.
Analyse De L'Usure de Revêtements Durs Par Micro-Interférométrie De Speckle Et Microscopie Holographique Numérique, Orléans, FR, 11-18 thru 22 ♣ ○

Hammoud H./Vaucher S./Valdivieso F.
Effect of the Porosity of the Thermophysical properties of cerium oxide up to 1300K and their implications for microwave sintering of spherical ceria gels, Nottingham, UK, 09-17 thru 19 ♣

Hoffmann, P.
19th Euro-CVD conference 2013, Varna, BG, 09-01 thru 06 ■

Kuzminykh Y./Dabirian A./Reinke M./Hoffmann, P.
High Vacuum Chemical Vapour Deposition of Oxides: A review of technique development and precursor selection / 19th Euro-CVD conference 2013, Varna, BG, 09-01 thru 06 ♣

Kuzminykh Y./Reinke M./Sandu C.S./Bevenuti G./Hoffmann, P.
Complex Decomposition Behaviour of Cu(TMHD)₂ in High Vacuum CVD: Combinatorial Co-Deposition with Ti-Isopropoxide / 19th Euro-CVD conference 2013, Varna, BG, 09-01 thru 06 ◆

Kwon, H./Leparoux, M./Kawasaki, A.
Functionally graded dual-nanoparticulate-reinforced metal matrix composites / International Symposium of Advanced Plasma Science and its Applications for Nitrides and Nanomaterials. 2013, Nagoya, JP, 01-28 thru 02-01 ♣ ○

Leparoux M./Kwon, H./Kawasaki, A.
Fabrication of dual-nanoparticulate-reinforced aluminum alloy matrix composites by powder metallurgy route / LightMAT 2013, Bremen, DE, 09-3 thru 5 ♣

Lipecka J./Janczak-Rusch J./Leparoux M./Lewandowska M.
Brazability of aluminium 6061 matrix composite reinforced with carbon nanotubes with improved thermal stability / Euromat 2013, Sevilla, ES, 09-08 thru 13 ♣

Michael, R.
IONS – International OSA Network of Students – International Conference (> 100 participants) for photonic students, Zürich & Lausanne, 01-09 thru 11 ■

Reinke M./Kuzminykh Y./Hoffmann P.
Deposition of Functional Electro-Optic Materials by HV-CVD, Zürich & Lausanne, 01-09 thru 11 ◆ ♣

Reinke M./Kuzminykh Y./Hoffmann P.
Limitations of Patterning TiO₂ by Shadow Mask HV-CVD / EMRS 2013, Strasbourg, FR, 05-27 thru 31 ♣

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Limitations of Patterning TiO₂ by Shadow Mask HV-CVD / 19th Euro-CVD conference 2013, Varna, BG, 09-01 thru 06 ◆

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Titanium Tetra-Isopropoxide Decomposition Performance in the Presence of a β -Diketonate Precursor / 19th Euro-CVD conference 2013, Varna, BG, 09-01 thru 06 ♣

Saeidi F./Graça S./Meylan B./Hoffmann P./Wasmer K.
«Effect of laser surface texturing on tribological behavior in sliding surfaces» EDMX Research day 2013, EPFL, Lausanne, Lausanne, 06-09-2013 ◆

Sébastien, E./Meylan, B./Wasmer, K./Jacquot, P.
Analyse de l'usure de revêtements durs par micro-interférométrie de speckle et microscopie holographique numérique Mesures et Techniques Optiques pour l'Industrie – CMOI 2013, Orléans - France, FR, 11-18 thru 22 ♣

Advanced Materials Processing

Sriharitha, R./Balic, E./Hoffmann, P.

Liquid-Repellent Wear-Resistant Material CCMX annual meeting 2013, Bern, 04-30 ◆

Sriharitha, R./Balic, E./Hoffmann, P.

«Liquid-Repellent Wear-Resistant Material» EDMX Research day 2013, EPFL, Lausanne, Lausanne, 09-06 ◆

Sriharitha, R./Balic, E./Hoffmann, P.

«Wetting and tribological characterization of mesoporous alumina», Phd symposium 2013, Empa Dübendorf, Empa Akademie, Dübendorf 10-23 ♣

Wasmer, K.

Investigation Wafer Saw Damage: A Top Down Approach, Freiberg, DE, 06-13 thru 14 ♣ ○

Wasmer, K./ Böhlen, K./

Light Patterning by High Precision Excimer Laser Processing – 12th International Nanotechnology Exhibition & Conference (nano tech 2013), Tokyo, JP, 01-30 thru 02-01 ◆

Wasmer, K./ Böhlen, K./

Light Patterning by High Precision Excimer Laser Processing – Swiss Nano Convention 2013, Basel 05-23 thru 24 ◆

Electron Microscopy Center

Erni, R.

German-Japanese International Workshop «Structure and Control of Interfaces», Berlin, DE, 01-08 thru 11 ♣ ○

Erni, R.

Frühjahrestagung der Deutschen Physikalischen Gesellschaft DPG, Regensburg, DE, 03-11 thru 15 ♣ ○

Erni, R.

Microscopy and Microanalysis 2013. Session: Revisiting Resolution for STEM and TEM, Indianapolis, US, 08-04 thru 08 ■

Erni, R.

Microscopy Conference 2013, Regensburg, DE, 08-25 thru 30 ♣ ○

Erni, R.

Recent Advances in Spectromicroscopy: Experimental and Theoretical Tools, Mons, BE, 09-04 thru 06 ♣ ○

Erni, R.

Seminarvortrag IFW Dresden, Dresden, DE, 11-13 ♣ ○

Keller, D.

Recent Advances in Spectromicroscopy: Experimental and Theoretical Tools, Mons, BE, 09-04 thru 06 ♣

Rossell, M.

Frühjahrestagung der Deutschen Physikalischen Gesellschaft DPG, Regensburg, DE, 03-11 thru 15 ♣

Functional Polymers

Bele, A./Cazacu, M./Racles, C./Opris, D.M./Ignat, M./Stiubianu G./Musteata, V.

«Effect of crosslinking agents on the electromechanical properties of silicones», EuroEAP 2013: International conference on Electromechanically Active Polymer (EAP) transducers & artificial muscles, Empa Akademie, Dübendorf 06-25 thru 26 ◆

Geiger, T./Véron, A./Nüesch, F.

Polymethine dyes for photon harvesting and energy conversion in the far red to NIR, XII Encontro da SBPMat, Campos do Jordão, BR, 09-29 thru 10-03 ♣ ○

Jenatsch, S., Neukom M., Nüesch F., Ruhstaller B., Hany R.

Charge Mobility Determination in Cyanine/C₆₀ Bilayer Solar Cells Using Photo-CELIV Technique, Empa Akademie, Dübendorf 23-10 ◆

Jenatsch, S./Zhang H./Nüesch F./Ruhstaller B./Hany R.

Transparent organic photovoltaics using a near-infrared absorbing cyanine dye, London, UK, 09-03 thru 07 ◆

Ko, Y./Circu, M./Nüesch, F./Opris, D.M.

«Encapsulation of permanent dipoles using miniemulsion polymerization», 2013 Empa PhD Symposium, Empa Akademie, Dübendorf 10-23 ◆

Ko, Y./Circu, M./Nüesch, F./Opris, D.M.

«Encapsulation of permanent dipoles using miniemulsion polymerization», SCS Fall Meeting 2013, Lausanne 09-06 ◆

Ko, Y./Opris, D.M./Nüesch, F./Fischer, B./Walder, C.

New silicone systems as matrices in dielectric elastomer actuator applications, EuroEAP 2013: International conference on Electromechanically Active Polymer (EAP) transducers & artificial muscles, Empa Akademie, Dübendorf 06-25 thru 26 ◆

Nüesch, F.

Dye sensitized solar cells, working principles, challenges and opportunities, Nextgen Nano PV Conference, IES Cargèse, Corsica, FR, 04-01 thru 06 ♣ ○

Nüesch, F.

The use of cyanine dyes in solid state organic heterojunction solar cells, Kolloquium at the Institute of Physics, Zagreb, HR, 07-08 ♣ ○

Nüesch, F.

Optoelectronics with organic semiconductors, Summerschool Frontiers in Photochemistry, Les Diablerets 08-25 thru 28 ♣ ○

<p>Nüesch, F. Advances and bottlenecks in organic-based thin film solar cell technologies, ENE Seminar, PSI, PSI - Villigen 10-24 🍄 ○</p>
<p>Nüesch, F. Funktionelle Polymere in der Energietechnik, CEOtalk 2013, Nano-Cluster Bodensee, Rorschach 11-13 🍄 ○</p>
<p>Nüesch, F. Photographic Dyes Convert Light to Electricity, Rhin Solar Research and industry Forum on Organic Photovoltaics, Muttenz 11-20 🍄 ○</p>
<p>Nüesch, F./Harder, Ch./Zah, R. Environmental and Economical Impact of PV Energy Production, SPN workshop, Empa Akademie, Empa Akademie, Dübendorf 10-22 ■</p>
<p>Opris, D.M. «Dielectric elastomers put to work», SCS Fall Meeting 2013, September 6, 2013, Lausanne, Switzerland., Lausanne 09-06 🍄 ○</p>
<p>Opris, D.M./Michel, S./Nüesch, F./Borgschulte, A. «Self-healing electrodes for dielectric elastomer actuators», EuroEAP 2013: International conference on Electromechanically Active Polymer (EAP) transducers & artificial muscles, Empa Akademie, Dübendorf 06-25 thru 26 ◆</p>
<p>Opris, D.M./Quinsaat J./Nüesch, F./Hofmann, H./Racles, C./Cazacu, M. «Dielectric elastomer actuators», Makromolekulares Kolloquium Freiburg, 24-26 February, 2013, Freiburg, Germany., Freiburg, DE, 02-24 thru 26 ◆</p>
<p>Quinsaat, J. Silver nanoparticles as filler for high permittivity elastomers, 2013 Empa PhD Symposium, Empa Akademie, Dübendorf 10-23 🍄</p>
<p>Quinsaat, J./Nüesch, F./Hofmann, H./Opris, D.M. Dielectric properties of silver nanoparticles coated with silica of different shell thicknesses, EuroEAP 2013, Empa Akademie, Dübendorf 06-25 thru 26 ◆</p>
<p>Quinsaat, J./Nüesch, F./Hofmann, H./Testino, A./Opris, D.M. Synthesis and functionalization of silver nanoparticles for the preparation of high dielectric materials, Swiss NanoConvention 2013, Basel 05-2013 ◆</p>
<p>Quinsaat, J./Nüesch, F./Hofmann, H./Testino, A./Opris, D.M. «Functionalization of silver nanoparticles for dielectric elastomer actuators», SCS Fall Meeting 2013, Lausanne 09-06 ◆</p>
<p>Quinsaat, J./Nüesch, F./Hofmann, H./Testino, A./Opris, D.M. Synthesis and functionalization of silver nanoparticles for the preparation of high dielectric materials, EDMX Research Day 2013, Lausanne 09-06 ◆</p>
<p>Quinsaat, J./Nüesch, F./Hofmann, H./Testino, A./Opris, D.M. Synthesis and functionalization of silver nanoparticles for the preparation of high dielectric materials, SCS meeting 2013, Lausanne 09-06 ◆</p>
<p>Racles, C./Cazacu, M./Fischer, B./Opris D.M. «Synthesis and characterization of silicones containing cyanopropyl groups and their use in dielectric elastomer actuators», EuroEAP 2013: International conference on Electromechanically Active Polymer (EAP) transducers & artificial muscles, Empa Akademie, Dübendorf 06-25 thru 26 ◆</p>
<p>Schlagenhauf, L. Characterization of abraded particles from epoxy/carbon nanotubes, Nanotech2013, Washington, D.C., US, 05-12 thru 16 🍄 ○</p>
<p>Tisserant, J.N. 2013 Empa PhD Symposium, Empa Akademie, Dübendorf, 10-23 ■</p>
<p>Tisserant, J.N./Hany, R./Mezzenga, R./Heier, J. Growth and Alignment of Thin Film Organic Single Crystals from Dewetting Patterns, MRC Graduate Symposium, Zurich 06-13 ◆</p>
<p>Tisserant, J.N./Hany, R./Mezzenga, R./Heier, J. Growth and Alignment of Thin Film Organic Single Crystals from Dewetting Patterns, Superior Conference, Strasbourg, FR, 06-26 thru 28 ◆</p>
<p>Tisserant, J.N./Hany, R./Mezzenga, R./Heier, J. Growth and Alignment of Thin Film Organic Single Crystals from Dewetting Patterns, ECME 2013, London, UK, 09-03 thru 07 ◆</p>
<p>Tisserant, J.N./Hany, R./Mezzenga, R./Heier, J. Growth and Alignment of Thin Film Organic Single Crystals from Dewetting Patterns, MRS Fall Meeting, Boston, US, 12-01 thru 06 🍄</p>
<p>Véron, A./Peng, C./Heier, J./Linden, A./Nüesch, F./Geiger, T. Near Infrared Absorbing Colorants with Application in Light to Energy Conversion, Nextgen Nano PV Conference, IES Cargèse, Corsica, FR, 04-01 thru 06 ◆</p>
<p>Véron, A./Peng, C./Heier, J./Linden, A./Nüesch, F./Geiger, T. NIR Cyanine Dyes with Tailor-Made Counterions, XII Encontro da SBPMat, Campos do Jordão, BR, 09-29 thru 10-03 🍄</p>

Wang, L.

Ionic incorporation of cyanine dyes into a methyl methacrylate polymer for photovoltaic applications, Lausanne 09-06 ◆

Zhang, H., Wicht, G., Nüesch, F., Hany, R.

Near infrared absorbing cyanine dyes for visibly transparent organic solar cells, Nextgen Nano PV Conference, IES Cargèse, Corsica, FR, 04-01 thru 06 ♣ ○

Adamaki, V., Clemens, F., Pennock, S.R., Taylor, T., Bowen, C.R.

Manufacture and characterization of Magneli phases conductive ceramic fibres, Cancun, MA, 08-11 thru 15 ♣

Blugan, G.

Meet the Experts (Implants): Implantable ceramic MEMS electrodes for cardiac pace makers, Interlaken 04-22 thru 24 ♣

Bora, D.K.

Calcharge Battery kickoff event, LBNLOperando NEXAFS spectroscopy for studying electrochemical processes in energy related materials, Berkeley, US, 05-01 ◆

Bora, D.K.

MRS Spring Meeting, 2013, In - situ Probing of Electron-hole Pair Generation at Semiconductor- electrolyte Interface Using Soft Ray Absorption Spectroscopy, San Francisco, US, 05-01 thru 05 ♣

Bora, D.K.

International exploratory workshop – Soft X rays, electrochemistry and energy materials, Understanding the nature of electron hole during photoelectrochemical water splitting with soft X rays, Empa Akademie, Dübendorf 06-02 thru 04 ◆

Bortolani, F./Clemens, F./Fernandez, J.F.

Ferroelectrics UK 2013: Synthesis and characterisation of single KNN-based piezoelectric fibers, Sheffield, GB, 01-17 thru 18 ♣

Boudoire, F.

29th annual meeting of the Swiss Working Group on Surface and Interface Science: 'From polymers to oxides: A novel bottom-up approach to grow hematite sub-micro and nanostructures', Fribourg 01-25 ◆

Boudoire, F.

Workshop on Patterns and Hydrodynamic Instabilities in Reactive Systems: 'Hematite nanopatterning using electrohydrodynamic lithography', Brussels, BE, 05-14 thru 17 ◆

Boudoire, F.

Swiss NanoConvention: 'Efficient light trapping on patterned oxide photoanode surface for application in water splitting', Basel 05-23 thru 24 ◆

Boudoire, F.

Abteilungstagung 2013: 21 Jahre Hochleistungskeramik im 21. Jahrhundert: 'Efficient visible light trapping in patterned oxide hetero-junction photoanodes for solar water splitting', Empa Akademie, Dübendorf 07-02 ◆

Boudoire, F.

Empa PhD Students' Symposium, 3rd place Oral Presentation award: 'Visible light trapping in microstructured oxide photoanodes for solar water splitting', Empa Akademie, Dübendorf 10-23 ◆

Braun, A.

Solar hydrogen generation by water splitting in photoelectrochemical cells, Universität Konstanz, Physikalisches, DE, 01-29 ♣ ○

Braun, A.

Clean and Greentech Workshop, Pretoria, ZA, 02-10 thru 14 ♣ ○

Braun, A.

Direct observation of water splitting with in-situ valence band spectroscopy, SAOG 2013, Fribourg 02-25 ♣

Braun, A.

Iron oxide – a low-cost and functional photo-electrode for solar water splitting, Physical Chemistry Seminar, Universität Zürich 02-28 ♣ ○

Braun, A.

Soot under X-rays: Empa Colloquium Natural Resources and Pollutants/NAREP Seminar, Empa Akademie, Dübendorf 03-04 ♣ ○

Braun, A.

MRS Spring Meeting: Electrochemical In-situ and Operando Analyses of Batteries, Ceramic Fuel Cells, Gas Sensors and Photo-electroch. Cells, San Francisco, US, 04-1 thru 8 ♣

Braun, A.

DoE PEC Working Group Meeting, Stanford, US, 04-01 ♣

Braun, A.

Photosynthetic proteins for technological applications: biosensors and biochips, Antwerpen, BE, 04-10 ♣

Braun, A.

X-ray spectroscopy and scattering methods for lithium battery studies; PSI Elektrochemistagung 2013, PSI - Villigen 04-24 ◆

Braun, A.

Nanostructured Iron Oxide: The Inorganic Backbone for Artificial Photosynthesis"; International Conference on Advanced Complex Inorganic Nanomaterials, Namur, B, 07-16 ♣ ○

- Braun, A.**
A Braun; GSFMT Summer School Pühajärve, Tartu, EE, 07-26 thru 27 🍄 ○
- Braun, A.**
Towards a low-cost and functional photo-electrode for solar water splitting, Sungkyunkwan University, Suwon, KP, 09-16 🍄 ○
- Braun, A.**
Direct observation of the photo-electrochemical water splitting; Yonsei University Physics Department, Yonsei University, Seoul, KP, 09-17 🍄
- Braun, A.**
Evidence for a proton-polarion in ceramic proton conductors, Gwangju Institute of Technology, KP, 09-25 🍄 ○
- Braun, A./Gajda-Schranz, K. et al.**
Solar hydrogen production by water splitting in photoelectrochemical cells. PSI Elektrochemistagung 2013, PSI - Villigen 04-26 ◆
- Braun, A. et al.**
Advanced Light Source User's Meeting 2013, Berkeley, US, 10-07 thru 09 ■
- Braun, A./Remhof, A./Embs, J.**
2013 ESS Science Symposium: Neutrons for Future Energy Strategy, PSI - Villigen 05-27 thru 29 ■
- Braun, A./Chen Q. et al.**
Ceramic Proton Conductors for IT-SOE/FC Electrolytes: PSI Elektrochemistagung 2013, PSI - Villigen 04-25 ◆
- Braun, A./Flak D. et al.**
Electronic structure and transport properties of gas sensors: PSI Elektrochemistagung 2013, PSI - Villigen 04-27 ◆
- Braun, A./Hongyou F./Ken Haenen/Lia Stanciu/Jeremy A. Theil**
MRS Spring Meeting 2015; Meeting Chair, San Francisco, US, ■
- Braun, A./Schranz K. et al.**
Photoanodes Functionalized with Light Harvesting Antenna Proteins. PSI Elektrochemistagung 2013, PSI - Villigen 04-28 ◆
- Braun, A./Huthwelker, T./van Bokhoven, J.**
International Exploratory Workshop «International Exploratory Workshop on Soft X-rays, Electrochemistry, and Energy Materials», Empa Akademie, Dübendorf 06-03 thru 05 ■ ◆
- Braun, A./Elena A. Rozhkova/Ana Moore/Katsuhiko Ariga**
MRS Spring Meeting 2013; Symposium D: From Molecules to Materials–Pathways to Artificial Photosynthesis, San Francisco, US, 04-01 thru 05 ■
- Clemens, F.**
DKG: Entwicklung und Charakterisier. von Kieselgur basierend auf Extrudaten f. d. Cehmical-Looping-Combustion Prozess, Weimar, DE, 03-18 thru 20 🍄 ○
- Clemens, F.**
21 years EMPA High Performance ceramics lab: Porous ceramic materials and their use for energy and environmental technology, Empa Akademie, Dübendorf 04-02 🍄 ○
- Clemens, F.**
ECERS, Limoges, FR, 06-23 thru 28 🍄
- Clemens, F.**
COST, Prag, CZ., 07-21 thru 25 🍄 ○
- Clemens, F.**
Verbundwerkstofftagung: short fiber reinforced porous CMCs and MMCs tubular structures by thermoplastic powder extrusion, Karlsruhe, DE, 07-3 thru 5 🍄 ○
- Clemens, F.**
Electroceramics (ICE): KNN ceramic fibres with oriented grain growth based on platelets and powders synthesized by molten salt method, J. Pessoa, BR, 11-09 thru 13 🍄
- Clemens, F./Bortolani, F./Losiola, T./Fernandez, J.F.**
Piezoelektrický seminář: Meltspinning of potassium sodium niobate (KNN) ceramic fibers using platelets and powders, Liberec, CZ., 10-30 🍄 ○
- Clemens, F./Bortolani, F./Losiola, T./Ziemski**
ICE 2013: KNN ceramic fibres with oriented grain growth based on platelets and powders synthesized by molten salt method, J. Pessoa, BR, 11-09 thru 13 🍄
- Gajda-Schranz, K.**
MRS Spring Meeting: Nano-bio Interfaces for Solar Water Splitting, San Francisco, US, 04-1 thru 8 🍄
- Gajda-Schranz, K.**
26th ICP Conf.: Photo-electrochemical hydrogen generation on protein functionalized hematite photoanode, Leuven, BE, 07-20 thru 26 🍄
- Gajda-Schranz, K.**
AOT-19: Advanced Oxidation Processes for ibuprofen removal and the ecotoxicity of the degradation intermediates, San Diego, US, 11-17 thru 21 🍄 ○

Gajda-Schranz, K.

SPASEC-18: Photoelectrochemical Cells for Solar Fuel Generation Based on Nano-Bio Assemblies, San Diego, US, 11-17 thru 21 🍀 ○

Garcia, A.

SP4: Evaluation of water splitting photoactivity of undoped W and Nb doped TiO₂ nanopowders obtained by flame spray synthesis, Prag, CZ., 06-23 thru 27 ◆

Garcia, A.P./Regonini, Michalow-Mauke, K./Alves, A.K./Berutti F./ Bergmann/Graule, T./Braun, A./Clemens, F.

PhD Symposium: EVALUATION OF WATER SPLITTING BEHAVIOR FOR UNDOPED TiO₂ NANOPOWDER OBTAINED BY FLAME SPRAY SYNTHESIS, Empa Akademie, Dübendorf 10-23 ◆

Graule, T.

DKG: Thermal Sparying, Weimar, DE, 03-18 thru 20 🍀 ○

Graule, T.

COST Meeting: Nanoparticles for flame retardancy, Krakau, PL, 05-15 thru 18 🍀 ○

Graule, T.

Ceramic based water filters for bacteria & virus filtration, Chongqing, CN, 11-03 thru 10 🍀 ○

Kastyl, J./Trunec, M./Clemens, F.

ECERS: Thermoplastic co-extrusion of layered ceramics with modified mechanical properties, Limoges, FR, 06-23 thru 27 ◆

Kastyl, J./Trunec, M./Clemens, F.

21 years EMPA High Performance ceramics lab: Thermoplastic co-extrusion of layered ceramics with modified mechanical properties, Empa Akademie, Dübendorf 07-02 ◆

Kastyl, J./Trunec, M./Clemens, F.

PhD Symposium: Thermoplastic co-extrusion of core-shell ceramics with modified mechanical properties, Empa Akademie, Dübendorf 10-23 🍀

Kübler, J.

CerModel Conf.: Simulation and validation of themomechanical stresses in planar SOFC's, Trento, IT, 07-9 thru 13 🍀 ○

Kübler, J.

FAC IV Conf.: Mechanical properties of a ZrB₂-30wt%SiC ceramic composite, Smolenice, SK, 09-29 thru 10-01 🍀 ○

Liu, Y./Clemens, F./Graule, T.

CCIC-8: Mechanical attrition resistance reinforcements for diatomite based porous materials, Chongqing, CN, 11-02 thru 8 ◆

Lusiola, T./Clemens, F./Bortolani, F.

COST Meeting: Microstructure study of piezoelectric KNN thick Films and Fibres, Sevilla, ES, 09-8 thru 11 ◆ 🍀 ○

Melnykowycz, M., Clemens, F., Koll, B., Graule, T., Watras, T., Binkowski, M., Mattmann, C., Silveira, I.

Smart World Events: High Stretch Sensor Technology for Wearable Computing Applications, Fribourg 10-03 🍀 ○

Melnykowycz, M., Clemens, F., Tschudin, M., Hirt, E.

CTI MedTech: Integration eines faserbasierten, piezoresistiven Sensors in Bänder zur Messung des Anpressdruckes in medizinischen, prophylaktischen und sportlichen Anwendungen bis hin zu Lifestyle Produkte, Bern 08 -27 ◆

Michalow-Mauke, K.

Eurp. Symposium on Photocatalysis, Portoroz, SI, 09-25 thru 28 ◆

Ramachandran, D.K., Kaiser, A., Kwok, K., Søgaard, M., Cheng, C., Gurauskis J., Clemens, F.

ICCPS 12: Developing MgO supports and dip coating CGO slurries for Oxygen Transport membranes, Portland, US, 08-05 thru 07 ◆

Regonini, D., Braun, A., Clemens, F.

ICE 2013: Photoelectrochemical Properties of Anodized Self-Oriented TiO₂ Nanotubes, J. Pessoa, BR, 11-09 thru 13 ◆

Regonini, D., Garcia, A.P., Teloecken, A.C., Alves, A.K., Berutti F., Bergmann, C.P., Gajda-Schranz, K., Braun, A., Graule, T., Clemens, F.

ICE 2013: TiO₂ Nanotubes & Electrospun Fibres Photoelectrodes for Efficient Electron Transport in Water Splitting, J. Pessoa, BR, 11-09 thru 13 🍀

Regonini, D., Teloecken, A.C., Gajda-Schranz, K., Alves, A.K., Berutti F., Bergmann, C.P., Braun, A., Graule, T., Clemens, F.

SP4: Electrospun TiO₂ Fibres Composite Photoelectrodes for Water Splitting, Prague, CZ., 06-24 thru 27 🍀

Teloecken, A.C./Alves, A.K./Berutti F./Bergmann, C.P./Regonini, D./Graule, T./Clemens, F.

PHYSICAL PROPERTIES OF TiO₂ PHOTOELECTRODES PREPARED BY DIP – COATING TECHNIQUE, Cancun, MX, 08-11 thru 15 ◆

Tsekouras, G.

Exsolution of B-site dopants dictates high temperature steam electrolysis activity of titanate cathodes, 19th International Conference on Solid State Ionics, Kyoto, JP, 06-2 thru 7 🍀

Tzu-Wen, H.

SOFC-life project meeting : Evaluation of Empa-Hexis Research Topics, London 04-08 thru 10 🍄

Tzu-Wen, H.

29th One-Day-Symposium Electrochemistry Laboratory :Spatial heterogeneities in heat and mass transfer in SOFC stacks and their influence on the electronic structure and conductivity of LSM cathodes, PSI - Villigen 04-24 🍄

Tzu-Wen, H.

ESS Science Symposium – Neutrons for Future Energy Strategies : Phases of electrolytes controlled the degradation behavior in electrolyte-supported solid oxide fuel cell, Lucerne 05-29 thru 31 ◆

Tzu-Wen, H.

Abteilungstagung 2013: 21 Jahre Hochleistungskeramik im 21. Jahrhundert: The degradation behavior in long time operated SOFC systems, Dübendorf Empa, , 07-02 ◆

Bliersbach, A./Mauron, Ph./Remhof, A./Gaboardi, M./Pontiroli, D./Riccò, M./Züttel, A.

7th International Symposium Hydrogen & Energy, Stoos 01-21 ◆

Beni, A.

Passive oxide layers characterization on Al-Cr-Fe Complex Metallic Alloys BY HX-PES, Soft X Ray Spectroscopy and Electrochemistry workshop, EMPA Dübendorf 06-3 thru 5 🍄 ○

Beni, A./Ott, N./Pawelkiewicz, M./Jeurgens, L./Schmutz, P.

Near- Surface characterization of nm- thick passivation oxi-hydroxides by Hard X -Ray Photoelectron Spectroscopy, SAOG Meeting Fribourg Jan 25 🍄

Beni, A./Ott, N./Pawelkiewicz, M./Jeurgens, L./Schmutz, P.

Characterization of the passivation mechanisms of new Al-Cr-Fe Complex Metallic Alloys by Hard X Ray Photoelectron Spectroscopy, Ecasia- 15th European Conference on Application of Surface and Interface Analysis, Forte Village Resort, Sardinia (Italy), IT, 10-13 thru 18 13 🍄

Beni, A./Pawelkiewicz, M./Jeurgens, L./Schmutz, P.

Oxidation and Passive oxide layers characterization on Al-Cr-Fe Complex Metallic Alloys, International Conference on Quasicrystals ICQ12 Krakow, Poland, PL, 09-1 thru 6 13 🍄 ○

Brodacka, S./Passerone, D./Pignedoli, C./Antusek, A./Pigozzi, G./Jeurgens, L./Janczak-Rusch, J./Kozubski, R.

Molecular Dynamics of melting phenomena in Ag, Cu, Ag/AlN and Cu/AlN nanolayers, EUROMAT 2013 conference, Symposium C2III, Sevilla, ES, 09-08 thru 13 🍄

C. Leinenbach

Entwicklung, Materialeigenschaften und Anwendungen neuartiger eisenbasierter Formgedächtnislegierungen, Wissenschaftliches Kolloquium SFB926-Bauteiloberflächen, Kaiserslautern, DE, 05-15 🍄 ○

C. Leinenbach

Session Chair Phase Stability, Diffusion Kinetics and Their Applications, Materials Science & Technology 2013 Montreal, CA, 10-27 Thru 31 ■ 🍄 ○

C. Leinenbach

Experimental study and thermodynamic modeling of interface reactions during active brazing of diamond to metals, Hero-M Materials Seminar, KTH Stockholm, SE, 12-06 🍄 ○

Duarte, L.

Electron Probe Microanalysis as one Tool for Phase Diagram Investigation, EMAS 2013, 13th European Workshop Porto, Portugal, PRT, 05-12 thru 16 13 ◆

Duarte, L.

Intermetallics: Phase Diagrams and Joining, Porto University, Seminar of Metallurgical Materials Master, PRT, 05-21 🍄 ○

Guseva, O.

Corrosion from analysis to modelling, VUB Brüssel, BEL, 10-24 🍄 ○

Janczak-Rusch, J.

Symposium Chair, 10th International Conference on Brazing, High Temperature Brazing and Diffusion Bonding 2013, Aachen, DE, 06-18 thru 20 ■ 🍄 ○

Janczak-Rusch, J.

Topic Coordinator «Joining and Interface Design» AND chair of two sessions, EUROMAT 2013 conference, Symposium C2III, Sevilla, ES, 09-08 thru 13 ■ 🍄 ○

Janczak-Rusch, J./Lipecka, J./Longtin, R./Jeurgens, L.

The Use of Reactive Multilayer Foils for Joining of Nanostructured Materials, CECAM Workshop: «Reactive Multilayers Foils. Bridging the gap from Thermodynamics, Modelling and Experiments», Lausanne 07-08 thru 10 🍄 ○

Janczak-Rusch, J./Pigozzi, G./Pawelkiewicz, M./Kaptay, G./Tillmann, W./Jeurgens, L.

Development of State-of-the-art Micro- and Nano-joining Technologies by Smart Interfacial Design, SC-MICRO Annual Meeting, Annual Meeting IIW Commission and IIW2013 Micro-/Nano-joining workshop, Essen, DE, Sep 14 🍄

Janczak-Rusch, J./Pigozzi, G./Sobol, K.K./Pawelkiewicz, M./Jeurgens, L.

Interfacial design of nanomaterials for nanojoining technologies, EUROMAT 2013 conference, Symposium C2III, Sevilla, ES, 09-08 thru 13 🍄 ○

Jeurgens, L.	In-situ, real-time investigations of the growth of ultrathin oxide films, SAOG Meeting Fribourg 01-25 🍷
Jeurgens, L.	Organizer of the symposium C.2.II «Interface Design», EUROMAT 2013 conference, Symposium C2III, Sevilla, ES, 09-08 thru 13 ■
Jeurgens, L.	Surprises at interfaces in nanomaterials, Slovak University of Technology in Trnava, SK, 06-10 🍷
Jeurgens, L./Pigozzi, G./Kaptay, G./La Mattina, F./Patscheider, J./Tillmann, W./Janczak-Rusch, J.	Tailoring melting depressions in Ag-Cu/AlN nano-multilayers for low-temperature joining applications, SC-MICRO Annual Meeting, Annual Meeting IIW Commission and IIW2013 Micro-/Nano-joining workshop, Essen, DE, 09-14 🍷 ○
Koster, M./Kenel, C./Leinenbach, C.	Characterization of the fatigue behavior of brazed steel joints by digital image correlation (DIC) Integrity Society), 13th Int. Conference on Fracture (IFC13), Beijing, CN, 06-16 thru 21 🍷
Koster, M./Lis, A./Kenel, C./Leinenbach, C.	Integrity of brazed steel joints under quasi-static and cyclic loading, 10th International Conference on Brazing, High Temperature Brazing and Diffusion Bonding 2013, Aachen, DE, 06-18 thru 20 🍷
Lee, W./Weber, B./Feltrin, G./Czaderski, C./Motavalli, M./Leinenbach, C.	Thermo-mechanical characterization of an Fe-Mn-Si-Cr-Ni-VC shape memory alloy for application in prestressed concrete structures, ASEM13, Int. Convention Center Jeju, Jeju Island, KP, 09-08 Thru 12 🍷
Leinenbach, C./Longtin, R./Shorubalko, I./Sanchez, J.-R./Hack, E./Elsener, H.-R./Groening, O./Groening, P./Greenwood, P./Rupesinghe, N./Teo, K.	Conductive high-temperature resistant carbon nanotube-substrate contacts by active vacuum brazing, Materials Science & Technology 2013 Montreal, CA, 10-27 Thru 31 🍷
Leinenbach, C./Weyrich, N./Jin, S./Duarte, L.	Low temperature joining of titanium at T=400°C, Materials Science & Technology 2013 Montreal, CA, 10-27 Thru 31 🍷
Leinenbach, C./Zhu, W./Duarte, L./Liu, L./Liu, H./Jin, H.	Thermodynamic and kinetic modeling and simulation of the interface reactions during active ceramic-metal brazing, Materials Science & Technology 2013 Montreal, CA, 10-27 Thru 31 🍷
Lipecka, J./Janczak-Rusch, J./Leparoux, M./Lewandowska, M.	Brazeability of aluminium 6061 matrix composite reinforced with carbon nanotubes with improved thermal stability, EUROMAT 2013 conference, Symposium C2III, Sevilla, ES, 09-08 thru 13 🍷
Lis, A.	PhD Symposium EMPA, Dübendorf 10-24 ■
M. Faller	GfKORR Arbeitskreis Korrosion im Bauwesen, Helgoland, DE, 03-06z ■ 🍷 ○
M. Faller	3-Länder-Korrosionstagung «Korrosionsschutztechnische Herausforderungen der Energiewende», Frankfurt a. M., DE, 04-26 thru 27 ■ 🍷 ○
N. Weyrich, Ch. Leinenbach	Low temperature joining of Ti using Au-based solder alloys, Löt2013 Aachen, DE, 06-17 thru 21 🍷
N. Weyrich, C. Leinenbach	Joining of Cu, Ni and Ti using novel Au-Ge-(Sb, Sn) high-temperature solder alloys, EUROMAT 2013 conference, Symposium C2III, Sevilla, ES, 09-08 thru 13 🍷
P. Schmutz	Jubiläumsfeier der Schweizerische Stiftung für Oberflächentechnik: Empa Akademie Workshop «New Metallic coatings and Innovative Surface», EMPA Dübendorf 10-24 ■
P. Schmutz	Corrosion research @ Empa: from local electrochemistry to intermetallic nanoparticles production, Uppsala Universitet, SE, 11-07 🍷 ○
Pigozzi, G./Antušek, A./Janczak-Rusch, J./Passerone, D./Pignedoli, C./Patscheider, J./Jeurgens, L.	Effect of interface structure on the melting behavior of Ag-Cu/AlN nanofoils for low-temperature joining applications, EUROMAT 2013 conference, Symposium C2III, Sevilla, ES, 09-08 thru 13 🍷
Pigozzi, G./Janczak-Rusch, J./Kaptay, G./La Mattina, F./Patscheider, J./Tillmann, W./Hauert, R./Jeurgens, L.	Interfacial melting point depressions in Ag-Cu/AlN nano-multilayers for low-temperature joining applications, ECASIA 2013, Sardegna, IT, 10-13 thru 18 🍷
Pigozzi, G./Janczak-Rusch, J./La Mattina, F./Patscheider, J./Jeurgens, L.	Nanostructured Multilayers for Low-Temperature Joining Applications, CECAM Workshop: «Reactive Multilayers Foils. Bridging the gap from Thermodynamics, Modelling and Experiments», Lausanne 07-08 thru 10 ◆
Pigozzi, G./Janczak-Rusch, J./La Mattina, F./Patscheider, J./Jeurgens, L.	Nanostructured Multilayer Systems for Low Temperature Joining Applications, Swiss Nanoconvention, Basel 05-23 thru 24 ◆

Suter, T.	Empa-FSRM Kurs: 2 Vorträge(Einführung in die Korrosion und Lokale elektrochemische Kapillar-Messmethoden mit Beispielen, Empa Dübendorf, , 07-03 ■
Suter, T.	3-Länder-Korrosionstagung «Mikro- und Nanoelektrochemische Messtechniken für Korrosionsuntersuchungen in Industrie und Forschung», Frankfurt a. M., DE, 11-12 thru 13 ♣ ○
Vetushka, A./Base, T./Schmutz, P.	KPFM Investigation of Carborane Cluster Dipoles Chemisorption on Metal Surfaces, 19th International Vacuum Congress Paris, FR, 09-09 thru 13 ◆
Best, James P.	Ultrathin hybrid films: Conception and a framework for mechanical analyses, Invited group seminar at Institute of Technology (KIT, IFG), Karlsruhe, DE, 09-19 ♣ ○
Gamez, G./Mohanty, G./Michler, J.	Ultrafast Elemental Mapping of High-throughput Screening Samples with Glow Discharge Optical Emission Spectrometry, The Great Scientific Exchange (SCIX), Milwaukee, US, 09-29 thru 10-04 ♣ ○
Ghisleni, R./Esqué de los Ojos, D./Battisti, A./Brunner, A.J./Terrasi, G.P./Michler, J.	Interface characterization of carbon fibers embedded in thermo setting polymer via cyclic single fiber push out, EuroMat 2013, MRS, Sevilla, ES, 09-09 ♣ ○
Ghisleni, R./Raghavan, R./Wheeler, J.M./Niederberger, Chr./Michler, J.	In-situ Nanomechanical Testing Methods to Explore Fracture and Plastic Deformation Mechanisms of Semiconductors and Metals, Agilent Workshop, Roma, IT, 05-15 ♣ ○
Hasegawa, M./Chen, J./Wheeler, J.M./Koodakal, R./Philippe, L./Michler, J.	Electrodeposition of Porous Copper Using Colloidal Crystal Templating, The 27th Conference of the European Colloid and Interface Society (ECIS), Sofia, BG, 09-02 ♣
Keith, T./Koodakal, R./Chawla, V./Spolenak, R./Michler, J.	Compositional and thickness gradients in sputtered metallic films, ECI Nano- and Micromechanical Testing in Materials R&D IV, Olhão, PT, 10-10 ◆
Michler J.	«Variable Temperature, In-situ Nanomechanical Testing Methods to Explore Fracture and Plastic Deformation Mechanisms of Semiconductors and Metals», International Conference on Plasticity, Bahamas, BS, 01-01 thru 11 ♣ ○
Michler J.	Elevated Temperature Nanoindentation of Multilayered Coatings, International Conference on Thin Films and Metallurgical Coatings, San Diego, US, 04-28 thru 05-03 ■ ♣
Michler J.	In-situ small scale Mechanics, Workshop / annual meeting of CNRS Network GDR Mechano Düsseldorf, Düsseldorf, DE, 07-19 thru 20 ♣ ○
Michler J.	In-situ Micro-thermomechanical Testing: Part II – Plasticity of Multilayer Thin Films, TMS Conference on nanoscale Multilayers, Madrid, ES, 10-01 thru 04 ♣ ○
Michler J.	ECI Conference on Nanomechanical testing in Materials Research, Faro, PT, 10-06 thru 11 ■
Michler J.	Elevated Temperature, In-situ Microcompression Methods to Explore Fracture and Plastic Deformation Mechanisms, CNRS summer school on Small Scale Plasticity, Cargèse, FR, 10-12 thru 17 ♣ ○
Mieszala, M./Hasegawa, M./Philippe, L./Wheeler, J.M./Raghavan, R./Michler, J.	Synthesis and Mechanical Properties of Electrodeposited Nanotwinned and Porous Copper, Small Scale Plasticity, Carghèse, Corsica, FR, 10-14 thru 19 ◆
Mieszala, M./Hasegawa, M./Philippe, L./Wheeler, J.M./Raghavan, R./Michler, J.	Synthesis and Mechanical Properties of Electrodeposited Nanotwinned and Porous Copper, PhD symposium 2013, Empa Akademie, Dübendorf 10-23 ◆
Mohanty, G./Rajan, K./Michler, J.	Nanoindentation creep testing of fcc metals at elevated temperatures, Euromat, Sevilla, ES, 09-08 thru 09-13 ♣
Mohanty, G./Wheeler, J.M./Chawla, V./Raghavan, R./Bellaton, D./Michler, J.	Elevated temperature nanoindentation using active surface referencing for low drift and combinatorial experiments on composition gradients, ECI Nano- and Micromechanical Testing in Materials R&D IV, Olhão, PT, 10-06 thru 11 ◆
Mohanty, G./Wheeler, J.M./Raghavan, R./Philippe, L./Michler, J.	Strain rate jump and load relaxation tests on nanocrystalline Ni as a function of temperature, Euromat, Sevilla, ES, 09-08 thru 09-13 ♣
Philippe, L./Elias, J./Utke, I./Bechelany, M./Michler, J.	ZnO Architectures for solar cell application, EMRS Warsaw, Warsaw, PL, 09-16 thru 20 ♣
Philippe, L./Utke, I./Elias, J./Bechelany, M./Michler, J./Yoon, S./Weidenkaff, A.	ALD/ECD enabled urchin-inspired architectures for solar cells, EMRS Strasbourg, Strasbourg, FR, 05-27 thru 31 ♣ ○

Raghavan, R./Wheeler, J.M./Esqué de los Ojos, D./Michler, J./Almandoz, E./Fuentes, G.G.
Temperature-dependence of Multilayer Thin Films: Part II – Deformation of Metal-Ceramic Multilayers, Euromat, Sevilla, ES, 09-09 🍀
Szkudlarek, A./Gabureac, M./Utke, I.
Surface kinetics aspects of Focused-Electron-Beam-Induced-Deposition, E-MRS 2013 Spring Meeting, Strasbourg, FR, 05-27 thru 31 🍀
Szkudlarek, A./Gamez, G./Ishizaki, K./Rudkowski, A./Utke, I.
Microplasma- and Laser-Assisted Focused-Electron-Induced-Deposition of Copper(II) Hexafluoroacetylacetonate, EUROCVD 19, Varna, BG, 09-01 thru 06 ♦
Szkudlarek, A./Szmyt, W./Winkler, R./Plank, H./Utke, I.
Determination of surface kinetics parameters from Pulsed Focused-Electron-Beam-Induced-Deposition, 39th International Conference on Micro and Nano Engineering, MNE, London, GB, 09-16 thru 19 🍀
Utke, I.
MNE 2013, http://www.mne2013.org/ , Suzhou, CN, 08-26 thru 30 ■
Utke, I.
MNE 2013, http://www.mne2013.org/ , London, GB, 09-16 thru 19 ■
Utke, I./Bachmann, J./Christiansen, S./Chmielowski, R.
EMRS 2013 Spring Meeting, Symposium A: Energy conversion applications of atomic layer deposition, Strasbourg, FR, 05-27 thru 31 ■
Utke, I./Gabureac, M./Bernau, L./Boero, G.
Two-adsorbate species FEBID for tuning granular nanomaterials to magnetic sensor applications, 9th International Conference on Micro and Nano Engineering, MNE, London, GB, 09-16 thru 19 🍀
Wehrs, J./Wheeler, J.M./Mohanty, G./Raghavan, R./Wick, M./Frey, D./Philippe, L./Michler, J.
Micromechanical survey of nanocrystalline nickel produced by electrodeposition, ECI Nano- and Micromechanical Testing in Materials R&D IV, Olhão, PT, 10-07 thru 11 ♦
Wehrs, J./Wheeler, J.M./Mohanty, G./Raghavan, R./Wick, M./Frey, D./Philippe, L./Michler, J.
Micromechanical survey of nanocrystalline nickel produced by electrodeposition, Small Scale Plasticity 2013, Carghèse, Corsica, , 10-14 thru 19 ♦
Wheeler, J.M./Breguet, J. M./Rabe, R./Frey, D./Raghavan, R./Michler, J.
Instrumentation for displacement controlled, cyclic, elevated temperature, nanomechanical testing, ECI conference, Olhão, PT, 09-03 thru 04 ♦
Wheeler, J.M./Maier, V./Durst, K./Goeken, M./Michler, J.
Nano-Mechanics of UFG Aluminum as a function of strain rate and temperature, TMS 2013 142nd Annual Meeting, San Antonio, US, 03-04 🍀
Wheeler, J.M./Michler, J.
Elevated Temperature Nanomechanical Testing in situ in the SEM, SEM Annual Conference, Chicago, US, 06-04 🍀 ○
Wheeler, J.M./Michler, J.
Indenter Materials for High Temperature Nanoindentation, MicroMaterials Conference, Oxford, US, 12-11 🍀 ○
Wheeler, J.M./Morel, A./Montagne, A./Thilly, L./Ghisleni, R./Michler, J.
Elevated Temperature Micro-Plasticity of Indium Antimonide, MRS Fall Meeting, Boston, US, 12-05 🍀
Wheeler, J.M./Niederberger, Chr./Raghavan, R./Weaver, M./Thompson, G./Michler, J.
In Situ, Elevated Temperature Nano-Mechanical Testing of a NiTiPd Shape Memory Alloy, TMS 2013 142nd Annual Meeting, San Antonio, US, 03-04 🍀
Wheeler, J.M./Raghavan, R./Michler, J.
In situ Micro-Thermomechanical Testing: A general tool for investigating plasticity, ECI Nano- and Micromechanical Testing in Materials R&D IV, Olhão, PT, 10-08 ♦ 🍀 ○
Wheeler, J.M./Raghavan, R./Utke, I./Michler, J.
Temperature-dependence of Multilayer Thin Films: Part I – Experimental Considerations and Failure in Solder Multilayers, EuroMat, Sevilla, ES, 09-09 🍀
Wheeler, J.M./Raghavan, R./Utke, I./Michler, J.
In situ Micro-Thermomechanical Testing: Part I – Experimental Considerations, Nanoscale Multilayers, Madrid, ES, 10-02 🍀 ○
Wheeler, J.M./Wehrs, J./Wick, M./Philippe, L./Michler, J.
Indenter Materials for High Temperature Nanoindentation, MRS Fall Meeting, Boston, US, 12-05 🍀
Barker, P.M./Lewin, E./Patscheider, J.
Reactively grown TiN and Ti-Si-N films with high deposition rate using chopped HIPIMS, HiPIMS 2013, Braunschweig, DE, 06-13 🍀
Bernard, L.
NanoConvention, Basel 05-23 ♦
Bernard, L.
E-MRS, Strasbourg, F, 05-29 🍀
Bernard, L.
SIMS19, Jeju, KR, 10-01 🍀

Bernard, L. SIMS19, Jeju, KR, 10-03 ◆
Bernoulli, D./Wyss, A./Häfliger, K./Thorwarth, K./Thorwarth, G./Hauert, R./Spolenak, R. Influence of Film Thickness on Fragmentation and Contact Damage of Diamond-Like Carbon (DLC) Coated Ti Substrates /MRC Graduate Symposia, Zurich 06-13 ◆
Bliersbach, A./Gaboardi, M./Bertoni, G./Aramini, M./Vlahopoulou, G./Pontiroli, D./Salviati, G./Mauron, Ph./Ricco, M./Züttel, A. PhD Students' Symposium, Empa Akademie, Dübendorf 10-23 ◆
Böttger, M./Gussarov, A./Shklover, V./Patscheider, J./Sobiech, M. «Effect of Droplet Inclusion in Arc-evaporated Multilayer Coatings on the Anisotropy of Thermal Conductivity», ICMCTF 2013, San Diego, CA, US, 05-02 ◆
Böttger, M./Shklover, V./Lewin, E./Patscheider, J./Cahill, D.G./Sobiech, M. «Design of Thermal Conductivity of Hard Oxynitride Coatings», ICMCTF 2013, San Diego, CA, US, 05-02 🍄
Crockett, R. Adsorption behavior of amphiphilic polymers, Torino, IT, 09-09 thru 13 ■ 🍄
Crockett, R. The Behavior of Water in Low-Friction, Adsorbed Layers, Tokyo, Japan, JP, 10-04 🍄 ○
Crockett, R. Lubrication with polysaccharides, Sendai, Japan, JP, 10-08 🍄 ○
Ernst, K.-H. Inelastic electron tunneling induced unidirectional motion of single molecules, / SSNS'13, Zao Onsen, Japan, JP, 01-16 🍄 ○
Ernst, K.-H. Mirror-symmetry breaking in adsorption, self-assembly and molecular dynamics at surfaces / Nanoscience on Surfaces Workshop, Schladming, Österreich, AT, 01-21 🍄 ○
Ernst, K.-H. Biomolecules and Surfaces, 29th SAOG Meeting, Fribourg 01-25 ■
Ernst, K.-H. CO2 activation, dissociation and hydrogenation on model catalysts / UFSP lightChEC, Zurich, Zurich 04-02 🍄
Ernst, K.-H. Mirror symmetry breaking in flatland: chirality in 2D crystallization and molecular dynamics at surface / Institute of Chemistry Seminar, Chinese Academy of Sciences, Beijing, Beijing, China, CN, 04-17 🍄 ○
Ernst, K.-H. Chirality in flatland: aspects of handedness in 2D crystallization and molecular dynamics / Physical Chemistry Seminar, University College London, London, England, UK, 04-24 🍄 ○
Ernst, K.-H. Driving nanomachines with electrons / 3S'13 2013, Åre, Schweden, SE, 05-11 🍄
Ernst, K.-H. Chirality in molecular recognition and dynamics at surfaces / Controlled Atomic Dynamics on Solid Surfaces: Atom and Molecular Manipulation, San Sebastian, Spain, ES, 05-13 🍄 ○
Ernst, K.-H. Handedness in flatland: chirality in 2D crystallization and molecular surface dynamics / Physikalisch-Chemisches Kolloquium der Universität Marburg, Marburg, Deutschland, DE, 06-06 🍄 ○
Ernst, K.-H. Stereochemistry in flatland: chiral recognition among molecules on surfaces / School of Pharmaceutical Science and Technology, Tianjin University, Tianjin, China, CN, 06-26 🍄 ○
Ernst, K.-H. Shaking hands in flatland: molecular recognition among chiral molecules on surfaces / International Workshop on Nanomaterials and Nanodevices, Beijing, China, CN, 07-02 🍄 ○
Ernst, K.-H. Electrically driven molecular machines at surfaces / International Workshop on Nanomaterials and Nanodevices, Guilin, China, CN, 07-05 🍄 ○
Ernst, K.-H. Analyzing chiral recognition at surfaces by STM manipulation / 9th International Symposium on Atomic Level Characterizations 2013 (ALC'13), Kona, The Big Island, Hawaii, USA, US, 12-02 thru 06 🍄 ○
Ernst, K.-H. 9th International Symposium on Atomic Level Characterizations 2013 (ALC'13), Kona, The Big Island, Hawaii, USA, US, 12-05 ■
H.J. Hug 12th Joint InterMag/MMM, Chicago, US, 01-13 thru 17 🍄
H.J. Hug Swiss-Japanese Physics Meeting, Tsukuba, JP, 11-13 thru 17 🍄 ○
Hauert, R Delayed delamination of coatings in corrosive media / Pool Meeting, Zuverlässigkeitstechnik, Empa Akademie, Dübendorf 03-10 🍄 ○

Hauert, R	State of the art and failure mechanisms of DLC coated articulating joint replacements / SVC TechCon Conference, Providence RI, US, 04-20 thru 25 🍄 ○
Hauert, R	An overview on diamond-like carbon coatings in medical applications / ICMCTF-2012 conference, San Diego CA, USA, 30.April 2013, San Diego CA, US, 04-28 thru 05-03 ■ 🍄
J. Schwenk	JEMS 2013, Rhodos, GR, 08-27 thru 29 🍄
Jaeger, D./Patscheider, J.	«Shake-up Features in Titanium Nitride Bilayer Systems used to Model Ultra-hard TiN/ Si3N4 Nanocomposites», ICMCTF 2013, San Diego, CA, US, 05-01 🍄
Karageorgaki, C./Ernst, K.-H.	Biomolecules and Surfaces, 29th SAOG Meeting, Fribourg 01-25 ◆
Karageorgaki, C./Ernst, K.-H.	DPG-Frühjahrstagung der Sektion Kondensierte Materie, Regensburg, DE, 03-10 thru 15 🍄
Karageorgaki, C./Ernst, K.-H.	Swiss Nano Convention, Basel 05-23 thru 25 ◆
Karageorgaki, C./Ernst, K.-H.	SCS Fall Meeting, Lausanne 09-06 ◆
Karageorgaki, C./Ernst, K.-H.	PhD Students' Symposium, Empa Akademie, Dübendorf 10-23 ◆
Keller, B.A.	Investigation of Titania-Blood-Plasma Interfaces with Time-of-Flight Secondary Ion Mass Spectrometry and PCA Analysis, Cagliari, I, 10-13 thru 18 ◆
Lewin, E.	Bonding at the interface, probing the inner nature of nanocomposites, Strasbourg, FR, 05-28 🍄 ○
Lewin, E./Patscheider, J.	«AlN-based optically transparent hard nanocomposite coatings: going from Si to Sn», ICMCTF 2013, San Diego, CA, US, 04-29 ■ 🍄
Marioni, M. A.	12th Joint InterMag/MMM, Chicago, US, 01-13 thru 17 ◆
Marioni, M. A.	Uni Chemnitz, Chemnitz, DE, 05 14 🍄 ○
Marioni, M. A.	JEMS 2013, Rhodos, GR, 08-27 thru 29 🍄
Müller, U.	32nd International Conference on Thermoelectrics (ICT2013), Kobe, JP, 06-30-07-04 🍄
P. H. Michael Böttger, Andrei V. Gusarov, Valery Shklover, Jörg Patscheider, Matthias Sobiech	Influence of arc-evaporation droplets on anisotropy of multilayer metal nitrides, Strasbourg, FR, 05-30 🍄
Patscheider, J./Lewin, E.	«Optically transparent hard nanocomposite coatings», Inauguration Nanocenter, Uni Rzeszow, Rzeszow, PL, 05-21 🍄 ○
Patscheider, J./Lewin, E.	Ternary AlN-based optically transparent hard nanocomposite coatings, 11th IMRC, Cancun, M1, 08-13 🍄 ○
Patscheider, J./Lewin, E.	Optically transparent coatings by adding Si, Ge and Sn to AlN, AEPSE 2013, Jeju, KR, 08-28 🍄 ○
Patscheider, J./Lewin, E.	«At play in the garden of group 14: Al-A-N ternary coatings», TACT2013, Taipei, TW, 10-07 🍄 ○
Patscheider, J./Lewin, E./Péllisson-Schecker, A./Parlinska-Wojtan, M.	AlN-based optically transparent hard coatings, Seminar CAPST, SKKU, Seoul, KR, 09-02 🍄 ○
Seibel, J./Zoppi, L./Parschau, M./Ernst, K.-H.	Biomolecules and Surfaces, 29th SAOG Meeting, Fribourg 01-25 ◆
Seibel, J./Zoppi, L./Parschau, M./Ernst, K.-H.	DPG-Frühjahrstagung der Sektion Kondensierte Materie, Regensburg, DE, 03-10 thru 15 🍄
Seibel, J./Zoppi, L./Parschau, M./Ernst, K.-H.	Swiss Nano Convention, Basel 05-23 thru 24 ◆
Seibel, J./Zoppi, L./Parschau, M./Ernst, K.-H.	SCS Fall Meeting, Lausanne 09-06 ◆
Stöckl, Q. S./Bandera, D./Parschau, M./Bauert, T./Siegel, J. S./Ernst, K.-H.	Biomolecules and Surfaces, 29th SAOG Meeting, Fribourg 01-25 ◆
Stöckl, Q. S./Bandera, D./Parschau, M./Bauert, T./Siegel, J. S./Ernst, K.-H.	DPG-Frühjahrstagung der Sektion Kondensierte Materie, Regensburg, DE, 03-10 thru 15 🍄

Stöckl, Q. S./Bandera, D./Parschau, M./Bauert, T./Siegel, J. S./Ernst, K.-H.

Swiss Nano Convention, Basel 05-23 thru 25 ◆

Stöckl, Q. S./Bandera, D./Parschau, M./Bauert, T./Siegel, J. S./Ernst, K.-H.

8th MRC Graduate Symposium, Zurich 06-13 ◆

T. Kudernac, M. Parschau, N. Ruangsupapichat, B. Macia, N. Katsonis, S. R. Harutyunyan, B. L. Feringa, K.-H. Ernst

Electrically-driven molecular motors: Unidirectional motion and inelastic electron tunneling / 112th Bunsentagung, Karlsruhe, Deutschland, DE, 05-11 🍀

Thorwarth, K./Jaeger, D./Figi, R./Stiefel, M./Weisse, B./Müller, U./Thorwarth, G./Hauert, R.

Near zero wear of diamond like carbon coated implants for up to 100 years of articulation / ICMCTF-2012 conference, San Diego CA, USA, 30.April 2013, San Diego CA, US, 04-28 thru 05-03 ■ ◆

Thorwarth, K./Jaeger, D./Figi, R./Stiefel, M./Weisse, B./Müller, U./Thorwarth, G./Hauert, R.

Near zero wear of diamond like carbon coated implants for up to 100 years of articulation / Meet the Expert (Implants), Interlaken 04-22 thru 23 ◆

Thorwarth, K./Jaeger, D./Müller, U./Schmutz, P./Stiefel, M./Weisse, B./Thorwarth, G./Bernoulli, D./Wyss, A./Spolenak, R./Hauert, R.

Low wear articulating implants employing DLC coatings with predictable, long-lasting coating adhesion lifetime / CCM1 Annual Meeting, Bern 04-30 ◆

Benassi, A.

Joint MMM/Intermag conference, Chicago, Illinois, US, 🍀

Benassi, A.

Conferenza della Società Italiana di Fisica, Trieste, IT, 09-23 thru 27 🍀

Benassi, A.

Conference on Friction and Energy Dissipation in Man-made and Biological Systems, Trieste, IT, 11-04 thru 09 🍀 ○

Benassi, A.

Frontiers in Condensed Matter physics, Trieste, IT, 11-11 thru 15 ◆

Dienel, T.

Frühjahrstagung DPG 2013, Regensburg, DE, 03-14 🍀

Dienel, T.

IVC-19, ICN+T 2013, Paris, F, 09-08 🍀

Fasel, R.

Atomically precise graphene nanoribbons, Physikalisch-Chemisches Kolloquium, Institut für Physikalische Chemie, Johannes Gutenberg Universität, Mainz, DE, 02-04 🍀 ○

Fasel, R.

Atomically precise graphene nanoribbons, MRS Spring Meeting 2013, San Francisco, US, 04-03 🍀 ○

Fasel, R.

Graphene – an exceptional nanomaterial, Empa SG, St. Gallen 05-28 🍀 ○

Fasel, R.

8th Annual Meeting of the Swiss molecules@surfaces community (molCH), SNF headquarters, Bern, Bern 06-10 ■

Fasel, R.

Atomically precise graphene nanoribbons: Graphene Week 2013, Chemnitz, DE, 07-02 🍀 ○

Fasel, R.

Atomically precise graphene nanoribbons, ECI Conference, Advances and Applications in Carbon Related Nanomaterials: From Pure to Doping Including Heteroatom Layers, Castelldefels, ES, 09-23 🍀 ○

Fasel, R.

Bottom-up chemically synthesized armchair graphene nanoribbons with 1 nm width and perfect edges, Lithography Workshop 2013, La Quinta, US, 11-11 🍀 ○

Gröning, O.

Einführung in die Nanotechnologie, Dietikon 04-03 🍀

Gröning, O.

Carbon Nanostructures and Graphene: Synthesis, Characterization and electronic Properties, Freiburg i.B., DE, 06-20 🍀 ○

Gröning, O.

Nanostructured surfaces for guided molecular self-assembly, Tsukuba, J, 07-01 thru 04 🍀 ○

Gröning, O.

Modeling and Experiments in Nano- and Surface Science, Männedorf 07-09 thru 12 🍀 ○

Gröning, O.

Prospettive e limiti di nanotubi di carbonio come fonte di elettroni, Manno 09-26 🍀 ○

Gröning, O.

On-Surface Chemical Synthesis of Graphene Nanostructures: From Metallic to Insulating Substrates, Tsukuba, J, 10-09 thru 11 🍀 ○

Gröning, O. Nanotechnologie: Modetrend oder nachhaltige technologische Entwicklung?, Luzern 11-05 🍀
Passerone, D. CCMX Meeting, Bern 04-30 ♦
Passerone, D. 3rd Tutorial CP2K, Zurich 06-17 thru 21 🍀 ○
Passerone, D. Conference on Frontiers of Condensed Matter Physics, Trieste, IT, 11-11 thru 15 ♦
Pignedoli, C. CPMD Meeting, Leipzig, DE, 02-06 thru 09 🍀 ○
Prinz, J. Workshop: Statistical Physics and Low Dimensional Systems (SPLDS), Pont-a-Mousson, FR, 05-15 thru 17 🍀 ○
Prinz, J. MolCH Meeting, Bern 06-10 🍀 ○
Prinz, J. 3rd International Symposium of Intermetallic Compounds in Catalysis, Chania, GR, 06-19 thru 21 🍀
Prinz, J. CCMX Sumemr School, EPFL, Lausanne 08-26 thru 28 🍀
Prinz, J. Swiss Physical Society /Austrian Physical Society Meeting, Linz, Austria, AT, 09-03 thru 6 🍀
Ruffieux, P. Electronic Properties of Bottom-up Fabricated Graphene Nanoribbons, TUM-IAS Workshop on Surface-Supported Molecular Nanostructures: Foundations and Functionality, München, DE, 04-10 thru 04-12 🍀 ○
Ruffieux, P. Electronic Structure of Atomically Precise Graphene Nanoribbons, Nanoconvention 2013, Basel 05-23 thru 24 ♦
Ruffieux, P. Electronic Structure of Atomically Precise Graphene Nanoribbons, Joint Annual Meeting of the Swiss and Austrian Physical Society, Linz, AT, 09-02 thru 06 🍀
Ruffieux, P. Atomically Precise Graphene Nanostructures, Scientific Retreat of CEITEC, Valtice, CZE, 10-03 thru 04 🍀 ○
Ruffieux, P. Electronic Structure of Bottom-up Fabricated Graphene Nanoribbons, MRS Fall meeting 2013, Boston, US, 12-01 thru 06 🍀 ○
Sanchez, C. Multitechnique Characterization of Atomically Precise Graphene Nanoribbons, Seville, ES, 09-09 thru 13 🍀
Sanchez-Valencia, J.R. Atomically precise graphene nanoribbons: Electronic structure, optical properties and vibrational characteristics / Graphene 2013, Bilbao, ES, 04-23 thru 04-26 🍀
Scopece, D. PASC Junior Retreat, Männedorf 07-09 thru 12 ♦
Shinde, P. PASC Junior Retreat, Männedorf 07-09 thru 12 ♦
Söde, H. Electronic Properties of atomically precise Graphene Nanoribbons, International Winterschool on Electronic Properties of Novel Materials 2013, Kirchberg, A, 03-02 thru 09 ♦
Söde, H. Band gap evolution and termini of short graphene nanoribbons, Workshop on nanostructured graphene 2013, Antwerp, BE, 05-21 thru 24 ♦
Söde, H. Electronic Properties of atomically precise Graphene Nanoribbons, MolCH meeting 2013, Bern 06-10 🍀
Söde, H. Electronic Properties of atomically precise Graphene Nanoribbons, IVC/ICN+T 2013, Paris, F, 09-09 thru 13 🍀
Söde, H. Electronic Properties and Termini of atomically precise Graphene Nanoribbons, 12th International Conference on Frontiers of Polymers and Advanced Materials 2013, Auckland, NZ, 12-08 thru 13 ♦
Talirz, L. HP2C/PASC Materials Simulation Junoir Retreat, Männedorf 07-09 thru 12 🍀
Talirz, L. ICN+T 2013, Paris, FR, 09-09 thru 13 🍀
Vallés Pardo, J.L. PASC Junior Retreat, Zurich 07-09 thru 12 ♦

Widmer, R.

26. Symposium on Surface Science, Åre, SE, 03-03 ◆

Widmer, R.

IVC-19, ICN+T 2013, Paris, FR, 09-08 ♣

Widmer, R.

3rd International Symposium of Intermetallic Compounds in Catalysis, Chania, GR, 09-19 ♣ ○

Bodnarchuk, M./Erni, R./Krumeich, F./Kovalenko, M.V.

Binary superlattices from colloidal nanocrystals and gaint polyoxomethalate clusters/Workshop on hybrid materials, Nicosia, CY, 05-23 ♣

Bodnarchuk, M./Erni, R./Krumeich, F./Kovalenko, M.V.

Binary superlattices from colloidal nanocrystals and gaint polyoxomethalate clusters/Swiss Chemical Society Fall Meeting, Lausanne 06-09 ◆

Buecheler, S./Burn, A./Nishiwaki, S./Muralt, M./Pilz, S./Romano, V./Witte, R./Spühler, G.J./Kraimer, L./Tiwari, A.N.

CIGS thin film solar modules interconnected by all-in-fiber laser based scribing process/28th EU PVSEC, Paris, FR, 09-30 thru 10-04 ◆

Buecheler, S./Pianezzi, F./Lehner, C./Nishiwaki, S./Perrenoud, J./Tiwari, A.N.

Stoichiometry control of vacuum deposited indium sulphide thin films as buffer layers in CIGS solar cells/28th EU PVSEC, Paris, FR, 09-30 thru 10-04 ◆

Fella, C.M./Stückelberger, J.A./Uhl, A.R./Romanyuk, Y.E./Tiwari, A.N.Influence of annealing conditions on non-vacuum deposited Cu₂ZnSn(S,Se)₄ absorber layers for thin film solar cells/ MRS Spring meeting 2013, San Francisco, US, 04-01 thru 05 ◆**Fella, C.M./Stückelberger, J.A./Werner, M./Haass, S./Romanyuk, Y.E./Tiwari, A.N.**Influence of Na on the crystallization and electronic properties of solution deposited Cu₂ZnSn(S,Se)₄ solar cell absorbers/4th European Kesterite Workshop, Berlin, DE, 10-20 thru 22 ♣**Fella, C.M.; Stückelberger, J.A.; Fluri, A.; Uhl, A.R. Werner, M.; Romanyuk, Y.E.; Tiwari, A.N.**Reaction Pathways for the formation of Cu₂ZnSn(S,Se)₄ absorbers from metal salt precursors annealed under selenium atmosphere/28th EU PVSEC, Paris, FR, 09-30 thru 10-04 ♣**Gretener, C./Kranz, L./Perrenoud, J./Buecheler, S./Tiwari, A.N.**

Back contact formation and Cu doping of CdTe solar cells in substrate configuration/28th EU PVSEC, Paris, FR, 09-30 thru 10-04 ♣

Hagendorfer, H./Gschwind, S./Benedixen, N./Losert, S./Günther, D.

AF4 and beyond – hyphenation to plasma based spectroscopy techniques for metallic engineered nanoparticle analysis/Austrian Chemical Society, Vienna, AT, 09-26 thru 27 ♣ ○

Hagendorfer, H./Lienau, K./Nishiwaki, S./Romanyuk, Y.E./Tiwari, A.N.

Chemical bath deposition for high performance Aluminium doped Zinc oxide window layers for thin film solar cells/Chemistry Days – Austrian Chemical Society, Vienna, AT, 09-23 thru 26 ♣

Hagendorfer, H./Lienau, K./Nishiwaki, S./Romanyuk, Y.E./Tiwari, A.N.

Solution deposition of Aluminium doped Zinc oxide (AZO) transparent conductive thin films for solar cells/MRS Spring meeting, San Francisco, US, 04-01 thru 05 ◆

He, M./Kovalenko, M.

A General and Simplified Approach for the Synthesis of Uniform and Monodisperse Indium, Bismuth, Copper and Antimony Nanocrystals/Swiss Chemical Society Fall Meeting, Lausanne 09-06 ◆

Jäger, T./ Bissig, B./ Döbeli, M./ Romanyuk, Y.E./Tiwari, A.N.Reactive Sputtering of SnO₂:F with Rapid Thermal Post-annealing/E-MRS Spring meeting, Strasbourg, FR, 05- 27 thru 31 ◆**Keller, D.**

Recent Advances in Spectromicroscopy: Experimental and Theoretical Tools, Mons, BE, 09-04 thru 06 ♣

Keller, D./ Buecheler, S./Reinhard, P./Pohl, D./Surrey, A./Rellinghaus, B./Erni, R./Tiwari, A.N.

Local band gap measurements by VEELS of thin film solar cells/Workshop: Recent Advances in Spectromicroscopy: Experimental and Theoretical Tools, Mons, BE, 09-04 thru 06 ♣

Kovalenko, M.V.

Seminar/4th Symposium on Academic Exchange and Collaborative Research between MRC-ETHZ and Hokkaido University, Hokkaido, JP, 02-21 thru 22 ♣ ○

Kovalenko, M.V.

Precise engineering of colloidal nanocrystals for electrochemical energy storage/Workshop on Hybrid Materials/QUANTSOL 2013, Bad Gastein, AT, 03-03 thru 07 ♣ ○

Kovalenko, M.V.

Precise engineering of colloidal nanocrystals for electrochemical energy storage/Workshop on Hybrid Materials, Nicosia, CY, 05-23 ♣ ○

Kranz, L./Jäger, T./Reinhard, P./Hagendorfer, H./Romanyuk, Y.E./Buecheler, S./Tiwari, A.N.Trihalide perovskite planar heterojunction solar cells combined with Cu(In,Ga)Se₂ devices in tandem structures/MRS Fall meeting, Boston, US, 12-01 thru 06 ♣

- Kranz, L./Schmitt, R./Gretener, C./Perrenoud, J./Pianezzi, F./Uhl, A./Jaeger, D./Buecheler, S./Tiware, A.N.**
Progress towards 14% Efficient CdTe Solar Cells in Substrate Configuration/IEEE photovoltaic specialists conference, Tampa, US, 06-16 thru 21 🍀
- Kravchyk, K./Protesescu, L./Bodnarchuk, M./Krumeich, F./Yarema, M./Walter, M./Guntlin, C./Kovalenko, M.V.**
Highly monodisperse Sn/SnO₂ nanocrystals as an advanced active anode/E-MRS Spring meeting, Strasbourg, FR, 05-27 thru 31 🍀 ○
- Pianezzi F./Chirila A./Reinhard P./Nishiwaki S./ Buecheler S./ Tiware A.N.**
20.4% Efficiency Flexible CIGS Solar Cell with a Novel Surface Modification Treatment of the Absorber Layer/28th EU PVSEC, Paris, FR, 09-30 thru 10-04 🍀
- Protesescu, L./Bodnarchuk, M./Kovalenko, M.V.**
Chemical design of infrared-active Pb/Cd chalcogenide nanocrystal heterostructures/Swiss Chemical Society Fall Meeting, Lausanne 09-06 ♦
- Protesescu, L./Conley, M./Copéret, C./de Kergommeaux, A./Reiss, P./Kovalenko, M.V.**
Molecular-level understanding of inorganic capping CdSe colloidal quantum dots/E-MRS Spring meeting, Strasbourg, FR, 05-27 thru 31 🍀
- Protesescu, L./Kovalenko, M.V.**
Molecular level understanding of inorganically-capped colloidal nanocrystals/Workshop on hybrid materials, Nicosia, CY, 05-23 🍀
- Reinhard, P./Chirila, A./Pianezzi, F./Kranz, L./Fella, C.M./Nishiwaki, S./Buecheler, S./Tiware, A.N.**
Influence of Composition Modifications on Structural and Electrical Properties of Flexible Cu(In,Ga)Se₂ Solar Cells with Reduced Absorber Thickness/MRS Spring meeting, San Francisco, US, 04-01 thru 05 🍀
- Reinhard, P./Pianezzi, F./Bissig, B./Fella, C.M./Nishiwaki, S./Buecheler, S./Tiware, A.N.**
Flexible Cu(In,Ga)Se₂ solar cells with absorber thickness of 1 μm deposited at higher evaporation rates/28th European photovoltaic solar energy conference and exhibition (28th EU-PVSEC), Paris, FR, 09-30 thru 10-04 ♦
- Reinhard, P./Chirila, A./Pianezzi, F./Nishiwaki, S./Buecheler, S./Tiware, A.N.**
High efficiency flexible Cu(In,Ga)Se₂ solar cells/20th anniv. Active Matrix-Flat Panel Display (AM-FPD), Kyoto, JP, 07-02 thru 05 🍀 ○
- Romanyuk, Y.E.**
Solution-processed chalcogenide solar cells/Workshop Next generation PV, Cargèse, FR, 04-01 thru 06 ■ 🍀 ○
- Romanyuk, Y.E./Uhl, A.R./Fella, C.M./Hagendorfer, H./Tiware, A.N.**
Solution-Processed Chalcogenide Thin Film Solar Cells/MRS Fall meeting, Boston, US, 12-01 thru 06 🍀 ○
- Tiware, A.N.**
Fortschritte bei der Forschung und der industriellen /National PV Tagung, Basel 03-11 thru 12 🍀 ○
- Tiware, A.N.**
Flexible CIGS solar cells with reduced absorber thickness/4th International Workshop on CIGS PV Technology, Berlin, DE, 04-17 thru 18 🍀 ○
- Tiware, A.N.**
High Efficiency Flexible Solar cells/Intersolar 2013, Munich, DE, 06-17 thru 19 🍀 ○
- Tiware, A.N.**
Manufacturing innovation as the key to next generation PV products/EC-JRC International Conference, Ispra, IT, 06-24 thru 25 🍀 ○
- Tiware, A.N.**
Advances in Thin Film PV: CIGS & CdTe/28th EU PVSEC, Paris, FR, 09-30 thru 10-03 🍀 ○
- Tiware, A.N.**
Advances in Thin Film PV: CIGS & CdTe /Renewable Energy in the service of humanity UNESCO Workshop, Paris, FR, 10-03 🍀 ○
- Tiware, A.N.**
Progress of thin film solar cells towards >20% efficiency and low manufacturing cost /28th EU PVSEC, Taipei, CN, 10-28 thru 11-1 🍀 ○
- Tiware, A.N.**
Advances in high efficiency flexible solar cells/Plastic Electronics Conference 2013, Dresden, DE, 10-8 thru 10 🍀 ○
- Uhl, A.R./Fuchs, P./Fella, C.M./Romanyuk, Y.E./Tiware, A.N.**
Rapid thermal processing of nanoparticle precursors for CuInSe₂ solar cell absorber layers/JSAP-MRS Conference, Kyoto, JP, 09-16 thru 20 🍀 ○
- Walter, M./Kravchyk, K./He, M./Bodnarchuk, M./Protesescu, L./Kovalenko, M.V.**
Monodisperse Sn, Sb and SnGe nanocrystals for high performance Lithium-ion and Sodium-ion batteries/ETH Industry Day, Zurich 09-12 ♦
- Walter, M./Kravchyk, K./He, M./Kovalenko, M.V.**
Highly Monodisperse Tin Nanocrystals as Anode Material in High-Performance Lithium-ion Batteries/Swiss Chemical Society Fall Meeting, Lausanne 09-06 🍀

Walter, M./Kravchyk, K./Protesescu, L./Bodnarchuk, M./Krumeich, F./Yarema, M./Guntlin, C./Kovalenko, M.V.

Highly monodisperse Tin nanocrystals as an advanced active anode material in high-performance lithium ion batteries/NanoEvent 'NextNanoStars', Basel 03-21 ◆

Walter, M./Kravchyk, K./Protesescu, L./Bodnarchuk, M./Krumeich, F./Yarema, M./Guntlin, C./Kovalenko, M.V.

Highly monodisperse Tin nanocrystals as an advanced active anode material in high-performance lithium ion batteries/Swiss Nanoconvention, Basel 05-23 thru 24 ◆

Werner, M./Fella, C.M./Gretener, C./ Romanyuk, Y.E./Tiwari, A.N.

CZTS solar cell absorbers deposited by sequential ultrasonic spray pyrolysis/28th EU PVSEC, Paris, FR, 10-09 thru 4 ◆

Werner, M./Fella, C.M./Haass, S./Romanyuk, Y.E./Tiwari, A.N.

Investigation of a two-solution approach for sprayed kesterite films for solar cells/4th European Kesterite Workshop, Berlin, DE, 11-20 thru 22 ◆

Civil and Mechanical Engineering

Meier, U.

Zukunftsszenarien für Faserkunststoffverbunde im Brückenbau/Carbon Composites e.V. (CCeV), IHK-Schwaben; Augsburg, DE, 03-13 🍀 ○

Meier, U.

Carbon Fibers: Example of a Chinese Swiss Cooperation in Structural Engineering/ Chinese Association of Materials Switzerland (CAMSTS), ETH Zurich 03-16 🍀 ○

Meier, U.

Innovation and Reliability with High Performance Fibrous Composite Materials in Bridge Engineering/2013 International Bridge and Tunnel Technology Congress, Shanghai Rainbow Hotel, Shanghai, CN, 04-12 🍀 ○

Meier, U.

Advanced Research Topics of FRP in Civil Engineering/Civil Engineering Seminar, University of Transport and Communication (UTC), Hanoi, VN, 04-15 🍀 ○

Meier, U.

Long-term Experience with Applications of CFRP Composites in Civil Engineering in Switzerland/, University of Transport and Communication (UTC), Hanoi, VN, 04-15 🍀 ○

Meier, U.

Overview, Trend and Perspective of FRP in Civil Engineering/Civil Engineering Seminar, University of Transport and Communication (UTC), Hanoi, VN, 04-15 🍀 ○

Meier, U.

Advanced Research Topics of FRP in Civil Engineering/ Seminar at Faculty of Civil Engineering, Water Resources University (HWRU), Hanoi, VN, 04-16 🍀 ○

Meier, U.

Long-term Experience with Applications of CFRP Composites in Civil Engineering in Switzerland/ Seminar at Faculty of Civil Engineering, Water Resources University (HWRU), Hanoi, VN, 04-16 🍀 ○

Meier, U.

Overview, Trend and Perspective of FRP in Civil Engineering/Seminar at Faculty of Civil Engineering, Water Resources University (HWRU), Hanoi, VN, 04-16 🍀 ○

Meier, U.

Selected Concepts for FRP in Civil Engineering/International New Construction Technology Conference, Transportation Department, Cao Lanh City, Dong Thap Province, VN, 04-18 🍀 ○

Meier, U.

The Swiss Experience with Fiber Reinforced Polymers in Structural Engineering/International New Construction Technology Conference, Transportation Department, Cao Lanh City, Dong Thap Province, VN, 04-18 🍀 ○

Meier, U.

Innovation in Bridge Engineering due to Advanced Composite Materials/Bridge Innovation Summit 2013, Beijing Northeast Marriott, Beijing, CN, 04-26 🍀 ○

Meier, U.

Long-Term Reliability of Carbon Fiber Reinforced Polymers in Civil Construction/4th International Conference on Integrity, Reliability and Failure IRF2013, Hotel Vidamar, Funchal, Madeira, PT, 06-24 🍀 ○

Meier, U.

Environmental Friendly Footbridge Made of CFRP, GFRP and Timber/19th International Conference on Composite Materials ICCM19, Hall Viger, Palais des congres, Montreal, CA, 08-02 🍀 ○

Meier, U.

Try the impossible to achieve the possible/Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures SMAR 2013, TR Istanbul Technical University (ITU), Istanbul, TR, 09-10 🍀 ○

Meier, U.

Opportunities and challenges for fiber reinforced polymers in structural engineering in seismic-active areas/Yuzuncu Yil University 2013 International Van Earthquake Conference, Rescate Hotel, Van, TR, 10-23 🍀 ○

- Bradford Grover/ Frances King/Stefan Schoenwald/Phalguni Mukhopadhyaya/David van Reenen**
Measurement of airborne sound transmission loss of a small-scale assembly containing vacuum insulated panels, 11th International Vacuum Insulation Symposium IVIS 2013, Empa Akademie, Dübendorf 19-09 🌿 ○
- Churchill, C./Hopkins C.**
Prediction of the Dynamic Properties of a Cross Laminated Timber Plate from an Investigation of the Eigenmodes Using a Scanning Laser Vibrometer, AIA-DAGA 2013, Meran, IT, 03-18 thru 21 🌿
- Churchill, C./Hopkins, C.**
Development of SEA models of composite heavyweight-lightweight floors by incorporating measured stiffness data for suspended ceiling hangers, International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿 ○
- Czolbe, C./Wunderli, J. M./Fischer, F.**
sonRAIL emission web tool – A new web application of the Swiss method on railway noise calculation released in 2013, 11th International Workshop on Railway Noise, Uddevalla, SE, 09-9 thr 13 ♦
- Eggenschwiler, K.**
Nutzungsabhängige Raumakustik, 4. HolzBauSpezial Akustik & Brandschutztag 2013, Bad Wörishofen, DE, 03-13 thru 14 🌿 ○
- Eggenschwiler, K.**
Fluglärm – eine komplexe technische und gesellschaftliche Herausforderung, Technische Gesellschaft Zürich TGZ, Zurich 11-05 🌿
- Eggenschwiler, K.**
Physikalische und normative Grundlagen der Raumakustik, Expertentag Bauphysik: Raumakustik, CPI – Weiterbildung für nachhaltiges Dämmen, Bern 12-12 🌿
- Geyer, Ch./Bütikofer, R./Müller A./Schuppisser B./Sanavic A.**
First year of the Lightweight Test Suite in Dübendorf, Measurements of the acoustical performance of timber constructions, AIA-DAGA 2013, Meran, IT, 03-18 thru 21 🌿
- Geyer, Ch./Bütikofer, R./Müller A./Schuppisser B./Sanavic A.**
The acoustical performance of Swiss timber constructions, International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿 ○
- Heutschi, K.**
9 Jahre nach SonRoad, SGA Frühlingstagung, Fribourg 04-18 🌿
- Heutschi, K.**
Bedeutung der Meteorologie für Strassenlärmprognosen, SGA Frühlingstagung, Fribourg 04-18 🌿
- Heutschi, K./Pieren, R.**
Auralization of Wind Turbines, AIA-DAGA 2013, Meran, IT, 03-18 thru 21 🌿
- Lee, P. J./Lee, B. K./Griffin, M.**
Evaluation of floor vibrations induced by walking in reinforced concrete buildings, International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿
- Locher, B./Wunderli, J. M., Hafner, M./Köstli, K.**
Noise emission of parked trains, International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿
- Schäffer, B./Zellmann, Ch./Plüss S./ Thomann G.**
Estimating the effects of aircraft noise on the population using the Zurich Aircraft Noise Index ZFI, International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿
- Schoenwald, S./Zeitler B./Sabourin, I./King, F.**
Sound insulation performance of Cross Laminated Timber Building Systems, International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿 ○
- Wunderli, J. M.**
Interaktion Strassenverkehr – Umwelt, Fokus Lärm, ZHAW school of engineering, Winterthur 09-04 ♦
- Zeitler, B./Schoenwald, S./King, F.**
Flanking Sound Insulation with Assemblies with high axial and lateral load-bearing capacity International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿 ○
- Zeitler, B./Schoenwald, S./Sabourin, I.**
Impact Soundinsulation of Wood-Concrete Hybrid Assemblies International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿 ○
- Zellmann, Ch./Wunderli, J. M./Schäffer, B.**
sonAIR – data acquisition for a next generation aircraft noise simulation model, International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2013), Innsbruck, AT, 09-15 thru 18 🌿 ○
- Aigner, N./ Colombo, J./ Burgert, I./ Del Gado, E.**
Building a mesoscale model of the secondary wood cell wall, The XIIIth Cell Wall Meeting, Nantes, France, FR, 07-11 🌿 ○
- Aigner, N./ Colombo, J./ Burgert, I./ Del Gado, E.**
Building a mesoscale model of the secondary wood cell wall/International IUFRO Conference MeMoWood Measurement methods and Modelling approaches for predicting desirable future Wood properties, Nancy, FR, 10-03 🌿 ○

Arnold, M.	Precision of natural weathering tests according to EN 927-3/COST FP1006 Workshop 'Process and Service life modelling', Ghent University, Ghent, Belgium, BE, 04-17thru18 🍄 ○
Burgert, I.	Biomaterial Wood, Kolloquium University of Basel 04-10 🍄 ○
Burgert, I.	Holz mit verbesserten Materialeigenschaften/Laubholzverwendung in der Nordwestschweiz, Schloss Ebenrain, Sissach 04-10 🍄 ○
Burgert, I.	From plant structure and function to bio-inspired materials/COST Action FP1105, Napier University, Edinburgh, UK, 05-14 🍄 ○
Burgert, I.	Plant structure and function – from biological to bio-inspired materials, MIT Boston, US, 05-23 🍄 ○
Burgert, I.	Plant actuation and stress generation/INdAM Meeting «The Mathematics of Cells and Tissues», Cortona, IT, 09-02 🍄 ○
Burgert, I.	Holzbasierte Materialien/IndustryDay, ETH Zürich 09-12 🍄 ○
Burgert, I.	Bio-inspired functionalization of wood and wood cell walls/Engineering Life 2013: Bio-molecular principles for novel methods and materials, Dresden, DE, 09-17 🍄 ○
Burgert, I.	Bio-inspired wood materials/Conference on Intelligent Materials, DGM, Kiel, DE, 09-26 🍄 ○
Burgert, I.	Wood functionalization/10. Werkstoffkongress, Montanuniversität Leoben, AT, 11-06 🍄 ○
Burgert, I./Eder, M./Gierlinger, N./Fratzl, P.	The nanostructural and micromechanical design of plant cell walls/Conference on Cellulose synthesis, structure, matrix interactions and technology, State College, Pennsylvania, US, 05-17 🍄 ○
Cabane, E./Keplinger, T./Burgert, I.	Chemical modification of wood via cell wall initiated polymerization/ACS 246th National Meeting, Convention Center, Indianapolis, US, 09-08 🍄 ○
Civardi, C.	Uptake and dissemination of copper nano particles, NRP 64 Meeting, Lausanne 03-16thru18 🍄 ○
Gierlinger, N.	Insights into plant cell wall molecules through Confocal Raman microscopy/Nordic Vibrational Spectroscopy Conference, Angstrom laboratories, Uppsala, SE, 10-22 ◆
Gierlinger, N.	Cell wall assembly on the micro- and nano level revealed by Raman, SNOM and AFM/FP1105 COST Action First Workshop, INNVENTIA, Stockholm, SE, 12-03 🍄 ○
Gierlinger, N./Burgert, I.	Cell wall formation in young poplar trees studied in-situ by Confocal Raman microscopy/Conference on Cellulose synthesis, structure, matrix interactions and technology, State College, Pennsylvania, US, 05-16 🍄 ○
Josset, S./Orsolini, P./Tingaut, P./Zimmermann, T.	Environmentally friendly materials from renewable resources/Swiss Nano Convention, Basel 05-23thru24 ◆
Josset, S./Tingaut, P./Zimmermann, T./Orsolini, P.	Environmentally friendly nanofibrillated materials from renewable sources/Statusseminar 2013 S-WIN, PSI - Villigen 04-24 🍄 ○
Künniger, T.	Nanopartikel in Fassadenbeschichtungen – Funktionen und Effekte/Nanomaterialien in Fassadenbeschichtungen, Empa Akademie, Dübendorf 11-14 🍄 ○
Luss, S./Rosner, S./Gierlinger, N./Schwanninger, M.	Hydraulic properties and wood density of Norway spruce wood estimated by Fourier transform near infrared spectroscopy (FT-NIR)/Clim Tree 2013, ETH, Zurich 09-01thru05 ◆
Orsolini, P./Josset, S./Tingaut, P./Zimmermann, T.	Microfibrillated cellulose from waste resources; possibilities of low-cost production on the semi-industrial scale/Biopol 2013, 4th International Conference on Biodegradable and Biobased Polymers, National Research Council (CNR), Rome, IT, 10-01thru03 🍄 ○
Pérez de Larraya Alamán, U./Sehaqui, H./Estella, P./Tingaut, P./Zimmermann, T.	Nanocellulose Membranes with antifouling properties for water purification technologies/Biopol 2013, 4th International Conference on Biodegradable and Biobased Polymers, National Research Council (CNR), Rome, IT, 10-01thru03 🍄 ○
Razghandi, K./ Bertinetti, L./Guiducci, L./Turcaud, S./Rüggeberg, M./Dunlop, J.W.C./Neinhuis, C./Burgert, I./Fratzl, P.	Smart honeycomb devices inspired by ice plant hydro-actuated seed dispersal/EUROMAT, European Congress and Exhibition on advanced Material and Processes, Sevilla, ES, 11-09 🍄 ○

Razghandi, K./ Bertinetti, L./Burgert, I./Fratzl, P.

Ice Plant Hydro-actuated Seed Dispersal An Inspiration for a biomimetic design/Summer Workshop on Mechanics in Biology, Berlin, DE, 09-17 🍄 ○

Razghandi, K./Bertinetti, L./Guiducci, L./ Turcaud, S./Rüggeberg, M./Dunlop, J./Neinhuis, C./Burgert, I./Fratzl, P.

Bio-inspired honeycomb devices for movement & stress generation/GdR Mephy Workshop: Moving Without Muscles – walkers, jumpers, plants, Grenoble, FR, 09-19 🍄 ○

Rüggeberg, M.

Convertible wooden elements for architecture and construction/Symposium of the Material Research Centre, ETH Zürich 06-13 🍄 ○

Rüggeberg, M./Burgert, I.

Convertible wooden elements for architectural design/GdR Mephy Workshop: Moving Without Muscles – walkers, jumpers, plants, Grenoble, FR, 09-20 🍄 ○

Rüggeberg, M./Saxe, F./ Metzger, T.H./ Sundberg, B./ Fratzl, P./ Burgert, I.

Improved orientation analysis of cellulose in complex plant tissues by X-ray diffraction/The 13th Cell wall meeting, Centre des Congrès, Nantes, FR, 07-08 🍄 ○

Salvador, J. H./Azpeitia, M./Orsolini, P./Tingaut, P./Zimmermann, T./Tejado, A.

How impurities (hemicelluloses, inks and lignin) affect the functionalization of cellulose fibres/6th international WPC symposium, Biarritz, FR, 09-23thru24 🍄 ○

Schubert, M.

Fungal laccases as a tool for wood functionalization, IRG Meeting, Stockholm, SE, 06-19 🍄 ○

Schwarze, F.

Fungi go classic/Festvortrag im Rahmen der Exmatrikulation der Medizinabsolventen im Greifswalder Dom, Universitätsmedizin der Ernst-Moritz-Arndt-Universität Greifswald, DE, 06-28thru30 🍄 ○

Schwarze, F.

Fungi go classic/IDB-ETH Seminar Die Grossen Hölzer, ETH Zürich 09-19 🍄 ○

Schwarze, F.

Methods for detecting wood decay in living trees/XIII-Simpósio de Manejo de Doenças de Plantas: Desafios e Perspectivas, Universidade Federal de Lavras, BR, 10-6thru10 🍄 ○

Schwarze, F.

Detectability of wood decay with invasive diagnostic devices/XIII-Simpósio de Manejo de Doenças de Plantas: Desafios e Perspectivas, Universidade Federal de Lavras, BR, 10-8 🍄 ○

Sehaqui, H.

Nanocellulose applications: overview of main uses and reinforcement in composites/Workshop on Biorefinery and Nanocellulose, Empa Akademie, Dübendorf 09-17 🍄 ○

Sehaqui, H. /Liu, P. /Mathew, A.P. /Zimmermann, T. /Tingaut, P.

Adsorption of heavy metal ions (Cu²⁺) onto biobased nanofibers/Nano Water Dresden, Fraunhofer Institute for Ceramic Technologies and Systems IKTS, Dresden, DE, 04-17thru18 🍄 ○

Sehaqui, H. /Zimmermann, T. /Tingaut, P.

Hydrophobic nanofibrillated cellulose-based nanopaper through a mild chemical functionalization approach/2013 TAPPI International Conference on Nanotechnology for Renewable Materials, KTH Royal Institute of Technology campus Stockholm, SE, 06-24thru27 🍄 ○

Tingaut, P.

Potential applications of Nanofibrillated cellulose from wood / Innovation in the Forest-based sector – Prerequisite for a green economy / United-Nations, Geneva 04-22 🍄 ○

Tingaut, P./Zimmermann, T.

Functional materials from cellulose-based nanofibers, University of Bordeaux, FR, 11-13 🍄 ○

Wang, X./Keplinger, T./Burgert, I.

Chemical and structural characterization of bamboo fibre walls by confocal Raman microscopy/The 8th Pacific Regional Wood Anatomy Conference & Annual Meeting of International Academy of Wood Science, Nanjing, CN, 10-17 🍄 ○

Zhang, Z./Sèbe, G./ Rentsch, D./ Zimmermann, T./Tingaut, P.

Silylated nanofibrillated cellulose as building block for the elaboration of foams with tunable properties/EPNOE-ACS, Nice, FR, 10-21thru24 🍄 ○

Zimmermann, T.

Angewandte Holzforschung @ Empa, University of Natural Resources and Life Sciences Vienna, AT, 05-14 🍄 ○

Zimmermann, T.

What is Nanocellulose?/Workshop on Biorefinery and Nanocellulose, Empa Akademie, Dübendorf 09-16 ■ 🍄

Zimmermann, T.

Angewandte Holzforschung @ Empa/Rotary Club, Rapperswil 09-23 🍄 ○

Zimmermann, T.

Nanozellulose basierte Materialinnovationen/Bayern Innovativ, Holz als neuer Werkstoff, Salzstadel Regensburg, DE, 11-06 🍄 ○

Zimmermann, T.

Microfibrillated cellulose and barrier based packaging/Winter Training School: Use of Nanopolysaccharides in Packaging, INP Pagora, Grenoble, FR, 12-12 🍄 ○

- Zimmermann, T. /Ho, T. T. T. / Tingaut, P. /Caseri, W.**
Nanofibrillated cellulose/ layered silicates composite films for barrier applications/2013 TAPPI International Conference on Nanotechnology for Renewable Materials, KTH Royal Institute of Technology campus Stockholm, SE, 06-24thru27 🍄 ○
- Živković, V. /Turkulin, H./Arnold, M./Pandey, K. K./Richter, K.**
Novel approach in analysis of light source effects to spectral sensitivity of fir wood surfaces/6th European Weathering Symposium EWS, Bratislava, SK, 09-11thru13 🍄 ○
- Kulasinski, K.**
Adsorption of water and swelling of complex porous media investigated with Molecular Dynamics simulations, Penn State University, US, 05-16 thru 18 ◆
- Allegrini J./Dorer V./Carmeliet J.**
Validation of CFD simulations with wind tunnel measurements for buoyant flows in street canyons, PhysMod 2013, Surrey, UK, 09-16 thru 18 🍄
- Allegrini, J./Dorer, V./Kämpf, J./Carmeliet, J.**
Modelling the urban microclimate and its influence on building energy demands of an urban neighbourhood, CISBAT 2013, Lausanne 09-04 thru 06 🍄
- Brunner, S**
Ein Aerogel-Dämmputzsystem im Praxistest und Vakuumisulationspanele (VIP) / Zukunftsperspektiven im Fassadenbau, Wien, AT, 06-07 🍄 ○
- Brunner, S./Ghazi Wakili K.**
11th International Vacuum Insulation Symposium (IVIS2013), Empa Akademie, Dübendorf 09-19 thru 20 ■
- Brunner, S./Ghazi Wakili K./Johansson P.**
Vacuum insulation panels (VIP) in refrigerator room, freezing room & fridge / 11th International Vacuum Insulation Symposium (IVIS2013), Empa Akademie, Dübendorf 09-19 thru 20 🍄
- Carmeliet**
Sustainable cities and urban energy systems of the future, Los Alamos National Lab, EES, Los Alamos, US, 08-12 🍄 ○
- Carmeliet, J.**
On the nonlinear elastic behavior of porous media /18th International Conference of Nonlinear Elasticity of Materials, Ascona 06-09 thru 14 🍄 ○
- Carmeliet, J./Ferdowsi, B./Griffa, M./Guyer, R./Johnson, P.A./Marone, C.**
Microslips as a precursor for dynamically triggered earthquakes /18th International Conference of Nonlinear Elasticity of Materials, Ascona 06-09 thru 14 🍄
- Defraeye T./ Aregawi W., Cantré D., Hartmann S., Lehmann E., Carmeliet J., Verboven P., Derome D., Nicolai B.**
The hydraulic architecture of leaves from neutron tomography/ International Conference on Tomography of Materials and Structures/1st International Conference on Tomography of Materials and Structures, Ghent, BE, 07-01 thru 05 🍄
- Defraeye T./ Verboven P., Carmeliet J., Derome D., Nicolai B.**
Transpiration from stomata via the leaf boundary layer: a microscale modelling approach/ Proceedings of the International Conference on Functional Structural Plant Modelling, Saariselka, FI, 06-09 thru 14 🍄
- Derluyn, H.**
Studying salt crystallization damage in porous limestone with neutron – X-ray imaging and poromechanical modeling/18th International Conference of Nonlinear Elasticity of Materials, Ascona 06-10 thru 14 🍄
- Derluyn, H./ Boone, M.N./ Dewanckele, J./ Cnudde, V./ Derome, D./ Carmeliet, J.**
Segmentation of salt solution and hydrated salt crystals in porous limestone /1st International Conference on Tomography of Materials and Structures, Gent, BE, 07-01 thru 05 🍄
- Derluyn, H./ Derome, D./ Carmeliet, J./ Stora, E./ Barbarulo, R**
Influence of hysteretic moisture transfer on concrete durability/8th International Conference on Fracture Mechanics of Concrete and Concrete Structure, Toledo, SP, 03-10 thru 14 🍄
- Derluyn, H./ Moonen, P./ Carmeliet, J.**
Numerical modeling of salt transport, crystallization and damage in porous limestone / 5th Biot Conference on Poromechanics, Vienna, AT, 07-10 thru 12 🍄
- Derome D**
The role of water in the HTM behavior of wood /COST Action FP 0904 . Thermo-Hydro-Mechanical Wood Behavior and Processing :Evaluation, processing and predicting of THM treated wood behaviour by experimental and numerical methods, Iasi, RO, 05-09 thru 11 🍄 ○
- Derome D**
The role of water in the behavior of wood / Los Alamos National Lab, EES, Los Alamos, US, 08-14 🍄 ○
- Derome D, Abbasion S, Segighi Gilani, M, Moonen,lehmann E, Carmeliet J**
Modélisation couplée thermo-hygro-mécanique du bois et validation avec imagerie à neutron/Colloque Interuniversitaire Franco-Québécois sur la Thermique des Systèmes, Reims, FR, 06-03 thru 05 🍄
- Derome, D./Ahmad Rafsanjani, A./Patera, A./Kulasinski, K./Guyer, R./Carmeliet, J.**
What is swelling? / 18th International Conference of Nonlinear Elasticity of Materials, Ascona, SU, 06-09 thru 14 🍄

- Derome, D./Ahmad Rafsanjani, A./Patera, A./Kulasinski, K./Guyer, R./Carmeliet, J.**
What is swelling of wood?/ International IUFRO Conference MemoWood- Measurement methods and modelling approaches for predicting desirable future wood properties, Nancy, FR, 10-01 thru 04 🌲 ○
- Derome, D./Carmeliet, J.**
18th International Conference of Nonlinear Elasticity of Materials, Ascona, SU, 06-09 thru 14 ■
- Derome, D./Defraeye, D./Houvenaghel/Carmeliet, J.**
Numerical analysis of convective drying of gypsum boards/Central Europe Symposium Building Physics 2013, Vienna, AT, 07-10 thru 12 🌲
- Derome, D./Patera, A./Rafsanjani, A./Abbasion, S./Carmeliet, J.**
The role of water in the hygro-thermo-mechanical behavior of wood/International Mechanical Engineering Congress and Exposition, San Diego, US, 11-15 thru 21 🌲
- Evins, R**
Using comfort criteria and parametric analysis to drive passive building design, Building Simulation, Chambéry, FR, 08-25 thru 28 ◆
- Evins, R**
Simulation of movable translucent aerogel shutters, Central European Symposium on Building Physics, Vienna, AT, 09-09 thru 11 ◆ 🌲
- Ferdowsi, B./Griffa, M./Guyer, R./Johnson, P.A./Marone, C./Carmeliet, J.**
3D DEM modeling of slip triggering in sheared granular media by means of boundary vibration /Les Houches Physics school, Les Houches, FR, 02-17 thru 22 ◆
- Ferdowsi, B./Griffa, M./Guyer, R./Johnson, P.A./Marone, C./Carmeliet, J.**
3D MD Modeling of Slip Triggering in Sheared Granular Layers by Means of Boundary Vibration /18th International Conference of Nonlinear Elasticity of Materials, Ascona 06-09 thru 14 🌲
- Ferdowsi, B./Griffa, M./Guyer, R./Johnson, P.A./Marone, C./Carmeliet, J.**
3D MD Modeling of Slip Triggering in Sheared Granular Layers by Means of Normal and Shear Boundary Vibration /Dynamic Triggering of Earthquakes, Pennsylvania State University, US, 11-19 thru 20 🌲
- Ferdowsi, B./Griffa, M./Guyer, R./Johnson, P.A./Marone, C./Carmeliet, J.**
3D MD Modeling of Slip Triggering in Sheared Granular Layers by Means of Normal and Shear Boundary Vibration, Yale University, School of Engineering and Applied Sciences, US, 11-21 🌲 ○
- Fumey, B./Weber, R./Dorer, V./Carmeliet, J.**
Experience and outlook on the thermo chemical storage system based on aqueous sodium hydroxide, CISBAT 2013, Lausanne 09-04 thru 06 ◆
- Fumey, B./Weber, R./Dorer, V./Carmeliet, J.**
Experience on the development of a thermo-chemical storage system based on aqueous sodium hydroxide. ISES2013, Cancun, MX, 11-03 thru 07 🌲
- Fumey, B./Weber, R./Gantenbein, P./Daguenet-Frick, X./Williamson, T./Dorer, V.**
Potential and challenge of a closed sorption heat storage based on sodium hydroxide and water, Intersolar, Munich, DE, 06-17 thru 20 🌲 ○
- Fumey, B./Weber, R./Gantenbein, P./Daguenet-Frick, X./Williamson, T./Dorer, V.**
Closed sorption heat storage based on aqueous sodium hydroxide, SHC 2013, International Conference on Solar Heating and Cooling for Buildings and Industry, Freiburg, DE, 09-23 thru 25 🌲
- Fumey, B./Weber, R./Gantenbein, P./Daguenet-Frick, X./Williamson, T./Dorer, V.**
Development of a closed sorption heat storage prototype. 8th International Renewable Energy Storage Conference and Exhibition, IRES 2013, Berlin, DE, 11-18 thru 20 🌲
- Ghazi Wakili, K.**
High Performance Insulation Materials, 34th AIVC Conference 2013, Athens, GR, 09-25 thru 26 🌲 ○
- Ghazi Wakili, K.**
High Performance Insulation Materials, 44th International HVAC&R Congress and Exhibition 2013, Belgrade, RS, 12-4 thru 6 🌲 ○
- Guizzardi, M./Derome, D./Vonbank, R./Carmeliet, J.**
Prevention strategies for risk of moisture related damages due to renovation of historical buildings/ Central Europe Symposium Building Physics 2013, Vienna, AT, 09-09 thru 11 🌲
- H. Derluyn/P. Moonen/J. Carmeliet**
Numerical modeling of crystallization-induced fracturing in porous limestone. In: 5th Biot Conference on Poromechanics (BIOT-5), Vienna, AT, 07-10 thru 12 🌲
- H. Derluyn/P. Moonen/J. Carmeliet**
Numerical modelling of crystallization-induced fracture processes. In: Proceedings of the 8th International Conference on Fracture Mechanics of Concrete and Concrete Structures (FraMCoS-8), Toledo, ES, 03-10 thru 14 🌲 ○
- Hugi, E./ Terrasi, G./Maluk, C./Bisby, L.**
Fire behavior of slender concrete beams prestressed with CFRP tendons/ICCS 17, Porto, PRT, 06-17 thru 21 🌲
- J. Carmeliet/J. Allegrini/P. Moonen/S. Saneinejad/V. Dorer**
Urban Energy and Microclimate: Wind tunnel experiments and Multiscale modeling. Building Simulation 2013 (BS2013), Chambéry, FR, 08-25 thru 30 ◆

- K. Orehounig/J. Carmeliet/J. Allegrini/P. Moonen/S. Saneinejad/V. Dorer**
Urban Energy and Microclimate: Wind tunnel experiments and Multiscale modeling. 2nd Central European Symposium on Building Physics (CESBP 2013), Vienna, AT, 09-9 thru 11 🍀
- Koebel, M.**
4th Annual Sustainable Building Materials & Construction Technologies, Dubai, UAE, 02-17 thru 19 🍀 ○
- Koebel, M.**
Tufts University Engineering Seminar Series: «Aerogel preparation technology», Boston, MA, US, 03-01 🍀 ○
- Koebel, M.**
Brown University Chemistry department lecture, Providence, RI, US, 03-05 🍀 ○
- Koebel, M.**
2mme conférence «Zero Carbone» dans l'environnement construit, Fribourg 11-20 🍀 ○
- Koebel, M.**
High Performance Thermal Insulation Workshop, ZAE Bayern, Würzburg, DE, 11-27 thru 28 🍀 ○
- Kubilay, A./Derome, D./Blocken, B./Carmeliet, J.**
Spatial distribution of wind-driven rain in the urban environment / Central Europe Symposium Building Physics 2013, Vienna, AT, 09-09 thru 11 🍀
- Lee, J.B./Derome, D./Carl, S./Carmeliet, J.**
Impingement and absorption of droplets on porous stones using neutron imaging technique / PSI user meeting 2013, PSI - Villigen 09-18 thru 20 ◆
- M. Immer/P. Moonen/J. Carmeliet**
The influence of the approach flow on the flow within a shear-driven cavity. International Workshop on Physical Modelling of Flow and Dispersion Phenomena (PHYSMOD 2013), Surrey, UK, 09-16 thru 19 🍀
- Mirzaei, P./Carmeliet, J.**
A Thermography Study to Understand the Influence of underneath Cavity on Life-time Enhancement of Building Integrated Photovoltaic. CLIMA 2013, Prague, CZ, 06-16 thru 19 🍀
- Orehounig, K./Dorer V./Carmeliet J.**
Sustainable energy plan for a village in Switzerland / Cisbat Conference, Lausanne 09-04 thru 06 🍀
- Orehounig, K./Evins, R./Dorer V./Carmeliet J.**
Assessment of renewable energy integration for a village using the energy hub concept / ISES Solar world congress, Cancun, MX, 11-03 thru 07 🍀
- P. Moonen/E. Paterna/J. Carmeliet**
Experimental design of spatially and temporally resolved PIV measurements. International Workshop on Physical Modelling of Flow and Dispersion Phenomena (PHYSMOD 2013), Surrey, UK, 09-16 thru 20 🍀
- P. Moonen/Y. Takano**
The influence of roof shape on flow and dispersion in an urban street canyon. International Workshop on Physical Modelling of Flow and Dispersion Phenomena (PHYSMOD 2013), Surrey, UK, 09-16 thru 18 🍀
- Patera, A./Derome D./Jefimovs K./ Carmeliet J.**
A comprehensive and consistent tomographic dataset to document the swelling of softwood tissues/ 1st International Conference on Tomography of Materials and Structures, UGCT, Gent, BE, 07-01 thru 05 🍀
- Patera, A./Derome, D./Carmeliet, J.**
Hygro-mechanical behaviour of wood investigated by Synchrotron radiation X-ray Tomographic Microscope / Joint User meeting PSI 2013, PSI - Villigen 09-18 thru 20 ◆
- Patera, A./Derome, D./Van den Bulcke, J./Carmeliet, J.**
3D Experimental investigation of the hygro-mechanical behaviour of wood at cellular and sub-cellular scale: detection of local deformations/1st International Conference on Tomography of Materials and Structures, UGCT, Gent, BE, 07-01 thru 05 🍀
- Rafsanjani A./Derome, D./ Carmeliet, J.**
A poromechanics approach to predict the effective swelling behavior of cellular materials / 5th Biot Conference on Poromechanics, Vienna, AT, 07-10 thru 12 🍀
- Rafsanjani A./Derome, D./ Guyer, RA / Carmeliet, J.**
Anisotropic Swelling Behavior of Cellular Solids /18th International Conference of Nonlinear Elasticity of Materials, Ascona 06-09 thru 14 🍀
- S. Cochard/E. Paterna/P. Moonen/J. Carmeliet**
Wind tunnel investigation of the wake behind two porous high-rise buildings with the same porosity. 16th Australasian Wind Engineering Society Workshop (AWES), Brisbane, AU, 07-18 thru 19 🍀
- Stahl, T.**
Aerogel Hochdämmputz von der Entwicklung bis zur Fertigstellung/40 Ludwigsburger Fachforum, Ludwigsburg, DE, 10-9 🍀 ○
- Stahl, T.**
Aerogel Hochdämmputz von der Entwicklung bis zur Fertigstellung/41 Offenbacher Fachforum, Frankfurt, DE, 11-19 🍀 ○
- Stahl, T.**
Aerogel Hochleistungsdämmputz /BuFAs, 24te Hanseatische Sanierungstage, Heringsdorf, DE, 11-7 thru 9 🍀 ○

Stahl, T./ Zimmermann, M./Brunner, S./ Koebel, M.	High insulating render for historical buildings/150 Anniversary of diplomatic relations between Switzerland and Japan, Spiez 10-29 ♦
V. Dorer/J. Allegrini/M. Immer/M. Vonlanthen/P. Moonen/J. Carmeliet	Modelling the urban micro climate and its impact on the energy demand of buildings and building clusters. Building Simulation 2013 (BS2013), Chambéry, FR, 08-25 thru 30 ♣
Weber R.	NEST A laboratory for research and demonstration in building technology; St.Galler Forum für Management Erneuerbarer Energien, St. Gallen 05- 23 thru 24 ♣ ○
Weber, R./Dorer, V.	PCM elements for ceiling panels, Dublin, IE, 06-19 thru 21 ♣
Wolf, S./Trümpfer, S. Ghazi Wakili, K./Binder, B./Baumann, E.	Protective glazing: The conflict between energy-saving and conversion requirements/ICOM-CC Glass and Ceramics 2013, Amsterdam, NL, 10-7 thru 10 ♣
Zweifel, G./Struck, Ch./Tillenkamp, F./Keller, T./Dorer V./Weber, A./Gaegauf, Ch./Sattler, M.	Energy supply with micro-P for a residential unit with electric vehicle. Building Simulation 2013, Chambéry, F, 08-25-28 ♣
Galliot, C.	New developments in Tensairity and light-weight membrane structures. Structural Membranes 2013, München, DE, 10-20 thru 21 ♣
Gohl, F.	Simulation based design of kitepower systems. AWEC 2013, Berlin, DE, 09-10 thru 11 ♦
Luchsinger, R.H.	The SwissKitePower project: Form kites to twings. AWEC 2013, Berlin, DE, 09-10 thru 11 ♣
Luchsinger, R.H.	Kitepower: Renewable energy with flying membranes. Structural Membranes 2013, München, DE, 10-20 thru 21 ♣
Luchsinger, R.H./Galliot, C.	From roofs to wings: Light-weight inflatable structures are taking off. Tensinet Symposium 2013, Istanbul, TR, 05-08 thru 10 ♣
Hasse, A./Campanile, L.F./Jähne, R.	Compliant Mechanisms as Enabling Technology for Morphing, Bristol, UK, 02-26 ♣ ○
Alahrache, S./Winnefeld, F./Lothenbach, L./Hesselbarth, F.	Activation of fly ash-OPC blends, 1st International Conference on the Chemistry of Construction Materials, Berlin, DE, 10-07 thru 09 ♦
Blanc, P./Lothenbach, B./Perrone, J./Schwyn, B.	NEA TDBIV Project: Preparation of a state-of-the art report on thermodynamic data for cements, Ghent, BE, 05-06 thru 08 ♦ ♣ ○
Dauzères, A./ Lothenbach, B./L'Hopital, E./Estève, I./ Schwyn, B./Mäder, U./ Jenni, A.	Mg-perturbation in the low-pH cementitious materials in contact with a clayey rock: the M-S-H question, Ghent, BE, 05-06 thru 08 ♣
Deschner, F./Winnefeld, F./Lothenbach, B./Neubauer, J.	Hydration of fly ash blended Portland cement at different temperatures, 3rd International Workshop Mechanisms and Modelling of Waste/Cement Interactions, Ghent, BE, 05-06 thru 08 ♣
Di Bella, C.	Shrinkage and Cracking in Cementitious Materials. Nanocem Consortium Autumn Meeting 2013, Guildford, UK, 11-07 thru 08 ♣
Griffa, M.	Topical Day on Imaging/Image Analysis III, Empa Akademie, Dübendorf 04-24 ■
Griffa, M./Derome, D./Erni, R./Stämpfli, R./ Whitby, J.	The Empa shared platform for Image Analysis. An overview. Topical Day on Imaging/Image Analysis IV, 30. October 2013.; Empa Akademie, Dübendorf 10-30 ♣
Griffa, M./Igarashi, G./Neuenschwander, J./ Münch, B./Leemann, A./Jerjen,I./Schuetz,P./Lura, P.	Detection and characterization of Alkali-Aggregate Reaction damage in concrete by nonlinear elasticity measurements / XVIII International Conference on Nonlinear Elasticity in Materials (XVIII ICNEM), «S. Franscini» Center - Ascona 06-09 thru 15 ♣
Griffa, M./Münch, B.	Segmentation algorithms for porous (building) materials. An (incomplete and biased) overview. Topical Day on Imaging/Image Analysis III, Empa Akademie, Dübendorf 04-24 ♣
Griffa, M./Münch, B./ Igarashi,G./Leemann, A./Mokso, R./Jerjen, I./Schuetz, P./Lura P.	Damage in cement-based materials by the Alkali-Aggregate reaction: detection and characterization by X-ray tomographic microscopy. 1st International Conference on Tomography of Materials and Structures (ICTMS)., Ghent, BE, 07-01 thru 05 ♣

Kaufmann, J.	Ground support 2013, Perth, AU, 05-13 thru 15 🍀
Kulik, D.A./Kosakowski, G./Lothenbach, B./Wieland, E./ Berner, U.	Local- and partial equilibria in thermodynamic- and transport modeling of cement systems, Ghent, BE, 05-06 thru 08 🍀
Le Saout, G./Lothenbach, B./Taquet, P./Fryda, H./Winnefeld, F.	Hydration study of a calcium aluminate cement blended with anhydrite. 1st International Conference on the Chemistry of Construction Materials, Berlin, DE, 10-07 thru 09 🍀
Leemann, A.	Konferenz: über Alkali-Kieselsäure-Reaktion, Berlin, DE, 03-07 🍀 ○
Leemann, A.	Cement quality and drinking water. European Committee for the study of corrosion and protection of pipes and pipeline systems – Drinking water, waste water, gas and oil (Ceacor Congress), Florence, IT, 06-04 thru 06 🍀 ○
Leemann, A./Hoffmann, C.	Concrete erosion in nitrification basins of wastewater treatment plants. Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2013), Istanbul, TR, 09-09 thru 11 🍀
Leemann, A./Nygaard, P./Lura, P.	Impact of admixtures on the plastic shrinkage cracking of self-compacting concrete. 7th International RILEM Symposium on Self-Compacting Concrete, Paris, FR, 09-09 thru 11 🍀
L'Hopital, E./Lothenbach, B./Kulik, D.A./ Srivener, K.	Aluminium and alkali uptake in calcium silicate hydrate, Ghent, BE, 05-06 thru 08 🍀 ○
L'Hopital, E./Lothenbach, B./Kulik, D.A./ Srivener, K.	Aluminium Uptake in Calcium Silicate Hydrate. TRANSCEND Conference Water Transport in cementitious materials, Guildford, UK, 11-03 thru 06 🍀
Lothenbach, B.	3rd International Workshop Mechanisms and Modelling of Waste/Cement Interactions, Ghent, BE, 05-06 thru 07 ■
Lothenbach, B.	Thermodynamic data for cementitious systems: katoite. Goldschmidt conference, session 23e, Florence, IT, 08-25 thru 30 🍀 ○
Lothenbach, B.	Thermodynamic modelling of cement hydration. 33rd Cement and Concrete Science conference 2013 (CCS Conference 2013), Portsmouth, UK, 09-02 thru 03 🍀 ○
Lothenbach, B.	Thermodynamic modelling of cement hydration. 33rd Cement and Concrete Science conference 2013 (CCS Conference 2013), Portsmouth, UK, 2-3 September 2013, Portsmouth, UK, 09-02 thru 03 🍀
Lothenbach, B./ Le Saout, G.	Influence of temperature on the hydration of blended cements, Ghent, BE, 05-06 thru 08 🍀 ○
Lura, P.	Lecture «Intellectual property rights and patenting – from a patenting officer's point of view», in Marie Curie Training Course 6, Innovation of cementitious materials, Lyon (Lafarge), FR, 02-11 🍀 ○
Lura, P.	Short course on «Early-age properties and early-age cracking» at Riga Technical University, Riga, LV, 04-25 thru 26 ■ 🍀
Lura, P.	Short course on «Early-age early-age cracking in cementitious materials» for Siam Cement Group, Bangkok, TH, 10-08 thru 09 ■ 🍀
Lura, P.	«Die Steinzeit der Zukunft». ETH Zürich: Treffpunkt Science City – Materialien am Limit, Zurich 11-24 🍀 ○
Lura, P./Leemann, A./Di Bella, C.	The influence of concrete mixture composition on the risk of plastic shrinkage cracking. Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2013), Istanbul, TR, 09-09 thru 12 🍀
Lura, P./Wyrzykowski, M.	«Moisture dependence of thermal expansion in cement-based materials» in Workshop 'Strains induced by phase changes in deformable porous solids: What about building materials?' organized by Ecole des Ponts ParisTech/Lafarge, Paris, FR, 07-08 thru 09 🍀 ○
Martin, L.H.J./Winnefeld, F./Müller, C.J./Lothenbach, B.	Influence of limestone on the hydration of calcium sulfoaluminate cements, 1st International Conference on Sulphoaluminate Cement: Materials and Engineering Technology, Wuhan, CN, 10-23 thru 24 🍀
Nygaard, P.V./Klinghoffer, O.	Corrosion rate measurements of steel in concrete – Evaluation of a new algorithm for analysis of galvanostatic potential transients. Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2013), Istanbul, TR, 09-09 thru 13 🍀

- Rossen, J./Lothenbach, B./Scrivener, K.**
Stability of C-A-S-H in Blended Cement Pastes. TRANSCEND Conference Water Transport in cementitious materials, Guildford, UK, 11-03 thru 06 ◆
- Rossen, J./Scrivener, K./Lothenbach, B.**
Optimising the experimental conditions for analyzing calcium silicate hydrates in a white Portland cement paste. 33rd Cement and Concrete Science conference 2013 (CCS Conference 2013), Portsmouth, UK, 09-02 thru 03 ♣
- Schaub, P./Dähn, R./Popov, D./Leemann, A./Mäder, U./Jenni, A./Pattison, P./Wieland, E.**
In-situ X-Ray Micro-Diffraction Analysis of Heterogeneous Cementitious Materials. 3rd international Workshop Mechansims and modelling of waste cement interactions, Ghent, BE, 05-06 thru 08 ♣
- Schaub, P./Dähn, R./Popov, D./Leemann, A./Mäder, U./Jenni, A./Pattison, P./Wieland, E.**
In-situ X-Ray Micro-Diffraction Analysis of Heterogeneous Cementitious Materials. 3rd international Workshop Mechansims and modelling of waste cement interactions, Ghent, BE, 05-06 thru 08 ◆
- Trauchessec, R./Winnefeld, F./Mechling, J. M./Lecomte, A./Roux, A./Le Rolland, B.**
Composition and thermodynamic modeling of calcium sulfoaluminate cement and ordinary Portland cement blends. 1st International Conference on Sulphoaluminate Cement: Materials and Engineering Technology, Wuhan, CN, 10-23 thru 24 ♣
- Weber, B./Wyrzykowski, M./Griffa, M./Carl, S./Lehmann, E./Lura, P.**
Neutron radiography of heated high-performance mortar, Paris, FR, 09-25 thru 27 ♣
- Wieland, E./Dähn, R./Dilnesa, B.Z./Lothenbach, B./Lothenbach, B./ Neubauer, J.**
Determination of the Fe speciation in cementitious materials using synchrotron-based micro-spectroscopic techniques, Ghent, BE, 05-06 thru 08 ♣ ○
- Winnefeld, F.**
Interaction of superplasticizers with calcium sulfoaluminate cements. Tenth ACI International Conference on Superplasticizers and Other Chemical Admixtures in Concrete, Berlin, DE, 01-31 ♣ ○
- Winnefeld, F.**
Hydration of calcium sulfoaluminate cements – quantification by experimental approaches and thermodynamic modelling, Building Materials Analysis Workshop, Halle (Saale), DE, 03-18 thru 19 ♣ ○
- Winnefeld, F./Klemm, S.**
Influence of citric acid on the hydration kinetics of calcium sulfoaluminate cement, 1st International Conference on Sulphoaluminate Cement: Materials and Engineering Technology, Wuhan, CN, 10-23 thru 24 ♣
- Winnefeld, F./Lothenbach, B.**
Thermodynamic modeling of the hydration of calcium sulfoaluminate cements blended with mineral additions, 1st International Conference on Sulphoaluminate Cement: Materials and Engineering Technology, Wuhan, CN, 10-23 thru 24 ♣ ○
- Winnefeld, F./Lothenbach, B./Ben Haha, M./LeSaout, G.**
Hydration of alkali activated slag – influence of activator and slag composition, International Workshop Alkali-activated Materials and Geopolymers: Innovative Solutions for Civil Engineering, Bologna, IT, 12-04 ♣ ○
- Winnefeld, F./Lothenbach, B./Pinka, S./Müller, C.J./Famy, C.**
Hydration and volume stability of binders based on calcium sulfoaluminate cement – Portland cement – gypsum: influence of binder composition and filler type, 1st International Conference on the Chemistry of Construction Materials, Berlin, DE, 10-07 thru 09 ♣
- Wyrzykowski, M./Gawin, D./Lura, P.**
Modeling Water Transport in Concrete at Early Age. TRANSCEND Conference Water Transport in cementitious materials, Guildford, UK, 11-03 thru 06 ♣
- Wyrzykowski, M./Kaufmann, J./Lura, P./Kiesewetter, R./Baumann, R.**
Pore structure of mortars with cellulose ether additions / The Fourth International Drymix Mortar Conference idmmc four, Nürnberg, DE, 03-18 ♣
- Brunner, A.J.**
Damage Accumulation Investigation in Fibre-Reinforced Polymer-Matrix Composites: From Test Coupons to Structural Elements, 6th International Conference on Composites Testing and Model Identification, Aalborg, DK, 04-22 thru 24 ♣
- Brunner, A.J./Tannert, T.**
Schallemissionsanalyse ausgewählter Zugversuche an unterschiedlichen Klebeverbindungen für Holz, Deutsche Gesellschaft für Zerstörungsfreie Prüfung 2013, Dresden, DE, 05-06 thru 08 ♣
- Koller, R.E./Stoecklin, I./Terrasi, G.P.**
CFRP-strengthening and long-term performance of fatigue critical welds of a steel box girder, 2nd Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Istanbul, TR, 09-09 thru 11 ♣
- Maluk, C./Bisy, L./Terrasi, G.**
Effects of polypropylene fibre type on occurrence of heat-induced concrete spalling, 3rd International RILEM Workshop, Paris, FR, 09-25 thru 27 ♣
- Przybilla, C./Koller, R./Canteli, A./Castillo, E.**
A Model Allowing for the Influence of Geometry and Stress in the Assessment of Fatigue Data, 13th International Conference on Fracture, Beijing, CN, 06-16 thru 21 ♣

Mechanical Systems Engineering

Ritschel, F./Zauner, M./Sanabria, S.J./Brunner, A.J./Niemi, P.
Acoustic Emission and Synchrotron Radiation X-ray tomographic in-situ microscopic of sub-macroscopic damage phenomena in wood, 18th International Nondestructive Testing and Evaluation of Wood Symposium, Madison, US, 09-09 🍄

Ritschel, F./Zauner, M./Sanabria, S.J./Brunner, A.J./Niemi, P.
In-situ Kombination von Schallemissionsanalyse und Röntgen-Mikrotomografie mit Zugversuchen an Miniatur-Prüfkörpern aus Fichtenholz, Jahrestagung der Deutschen Gesellschaft für Zerstörungsfreie Prüfung 2013, Dresden, DE, 05-06 thru 08 🍄

Stelzer, S./Jones, R./Brunner, A.J.
Interlaminar Fatigue Crack Growth in Carbon Fiber Reinforced Composites, 19th International Conference for Composites Materials, Montreal, CA, 07-28 thru 08-02 🍄

Toumpanaki, E./Lees, J./Terrasi, G.P.
Effect of Moisture Uptake on the Shear Stiffness of CFRP Tendons and the Role of the Manufacturing Route, FRP Reinforce Concrete Structures 11 conference, Guimares, PT, 06-26 thru 28 🍄

Bergamini, A.
Adaptive Werkstoffe für Formadaption und Schwingungsunterdrückung, Wissenschaftstag 2013, Braunschweig, DE, 09-12 🍄 ○

Bergamini, A.
Electrostatic tuning of the mechanical behaviour of structural elements, Palm Beach, AW, 10-05 thru 10 🍄

Bergamini, A.
Variable-stiffness skin concept for camber-morphing airfoils, ICAST 2013, Palm Beach, AW, 10-05 thru 10 🍄

Holdsworth, S.R.
Improving performance of an existing energy solution, ESS Science Symposium – Neutrons for Future Energy Strategies, PSI, PSI - Villigen 05-27 thru 29 🍄 ○

Holdsworth, S.R./Hosseini, E.
Recent experience with the LICON methodology, HTMTC Workshop on Accelerated Testing of Materials, High Temperature Materials Testing Committee, European Structural Integrity Society, Derby, UK, 09-24 thru 25 🍄 ○

Mazza, E.
In-vivo assessment of the biomechanical properties of the pregnant cervix, International Tissue Elasticity Conference, Lingfield, UK, 10-1 thru 4 🍄

Pham, M.S./Janssens, K.G.F./Mazza, E./Holdsworth, S.R.
Evolutionary constitutive modelling based on multi-scale interactions of dislocations, Symposium on Integrated Computational Modelling of Materials for Nuclear Energy, TMS Annual Meeting, San Antonio, Tx, US, 03-3 thru 7 🍄 ○

Protection and Physiology

Annaheim, S.
Einfluss von Feuerwehr-Schutzbekleidung auf die thermophysiologischen Reaktionen des Trägers bei moderater Aktivität, Tagung Schweizerische Gesellschaft für Ergonomie, Fribourg, Fribourg 10-03 🍄

Annaheim, S.
A 9-zone thermal head manikin to investigate local effects of bicycle helmets on heat transfer, International Cycling Safety Conference, Helmond, NL, 11-20 thru 21 🍄

Camerlo, A.
Fragrance encapsulation in nanofibers by emulsion electrospinning, epf 2013, Pisa, IT, 06-16 thru 21 🍄

Fortunato, G.
Bulk and surface modification of nano- and micron-sized e-spun fibers, International Istanbul Textile Congress 2013. Innovative and Functional Textiles, Istanbul, TR, 05-30 thru 06-01 🍄 ○

Fortunato, G.
Nano- und mikroskopische Fasern für medizinische Anwendung, Fasern in der Medizin, Forschungsinstitut Hohenstein, Bönningheim, DE, 07-07 🍄 ○

Guex, G.A./Fortunato, G./Giraud, M.N.
Design and functionalisation of electrospun substrates for muscle repair, DPCI Doctoral Research lecture, Swiss Chemical Society, Div. of Polymers & Colloids, Basel 06-07 🍄

Guex, G.A./Hegemann, D./Giraud, M.N./Fortunato, G.
Covalent immobilisation of VEGF on electrospun fibres, SSB-Meeting, Davos 06-25 ♦

Lavielle, N.
Transversal porosity gradient in electrospun biopolyester nanofibrous membranes for directional drug delivery-Focus on composite self-organization, epf 2013, Pisa, IT, 06-16 thru 23 🍄

Lavielle, N.
Transversal porosity gradient in electrospun biopolyester nanofibrous membranes for directional drug delivery-Focus on drug delivery, Euromat 2013, European Congress and Exhibition on Advanced Materials and Processes, Sevilla, ES, 11-08 thru 13 🍄

Lehmeier, F.
Vortrag: Laser welding textiles and ultrathin membranes, Avantex Symposium, Frankfurt, DE, 06-12 🍄

Lehmeier, F./Camenzind, M./Weder, M.
Vortrag: Laserschweissen Textilien und ultradünne Membrane – Möglichkeiten und Herausforderungen, ALASKA Seminar Aachen, Aachen, DE, 09-26 thru 27 🍄

Meyer, V. R.

HPLC 2013 39th Internat. Symposium on High Performance Liquid Phase Separations & Related Techniques, Amsterdam, NL, 06-15 thru 20 ◆

Meyer, V.-R.

Vortrag: Standard Deviations and Calibration Functions – Are they reliable?, 1st Global IC User Meeting, Metrohm, Herisau 10-23 ♣

Psikuta, A./Bohnet, A./Frackiewicz-Kacmarek, J./ Rossi, René M.

Use of 3D Body Scanning Technique to Investigate an Effect of Garment Design on Heat and Mass Transfer in Clothing, 4th International Conference and Exhibition on 3D Body Scanning Technologies, Long Beach, California, US, 11-19 thru 20 ♣

Rossi R.

Vortrag: Textile Sensors for Body Monitoring, World Materials Research Institutes Forum Symposium, Dübendorf, CH, 05-13 ♣ ○

Rossi, R. M.

Analysis of the physiological stress of firefighters protective clothing, AvanteX Symposium, Frankfurt, DE, 06-12 ♣

Rossi, R./Beringer, J. von Hohenstein

Characterisation of clothing physiological properties of functional textiles with one-, two- and three dimensional methods, Internationale Chemiefasertagung, Dornbirn, AT, 09-11 thru 13 ♣

Rotaru, G./Derler, S.

Friction of ice sublimating from rough surfaces, WTC 2013 / 5th World Tribology Congress, Torino, IT, 09-08 thru 13 ♣

Scherer, L.

Sensors based on polymer optical fiber fabrics, Sensors & MediTex, Greiz, DE, 01-17 ♣ ○

Scherer, L.

Leuchtextilien – Jetzt und in der Zukunft, Innovation Day, Empa Akademie, Dübendorf 08-29 ♣ ○

Scherer, L.

Controlled caffeine transfer through light-responsive membrane, NanoApp, Portoroz, SI, 09-24 ♣ ○

Scherer, L.

Textiles meet Light, NanoApp, Portoroz, SI, 09-24 ♣

Scherer, L.

Textilien der Zukunft, Medizin und Labortechnologie, Basel 11-09 ♣ ○

Scherer, L.

Sensors based on polymer optical fiber fabrics, International Textile Conference, Aachen, DE, 11-26 thru 28 ♣

Schöller, K.

Swelling behaviour and permeability switching in light-responsive amphiphilic polymer conetworks, European Polymer Forum 2013, Pisa, IT, 06-16 thru 21 ♣

Schöller, K.

Light-triggered release from responsive amphiphilic conetworks, Swiss Chemical Society Fall Meeting 2013, Lausanne 09-06 ◆

Schöller, K.

Sensors in medical textiles: Development of electrically conductive and polymer optical fibers, Chemiefaser-Tagung, Dornbirn, AT, 09-11 thru 13 ♣ ○

Schöller, K.

Textilbasierte optische Sensorik für medizinische Anwendungen, Kooperationsforum Intelligente Textilien 2013, Lindau, DE, 10-17 ♣ ○

Weder, M.

Wie man sich bettet so liegt man, Luzerner Schlaftage, Schlafklinik Zurzach 03-23 ♣ ○

Widmer, S.

Sol-Gel based Optical Ammonia Gas Sensor, SENSOR 2013 – 16th International Conference on Sensors and Measurement Technology, Nürnberg, DE, 05-13 thru 16 ♣

Arraigada, M.

Innovative Accelerating Pavement Testing (APT) linked to structural assessment, SIIV Societa Italiana Infrastrutture Viarie, Padova, IT, 9-12 ♣ ○

Bueno, M./ Hugener, M., Partl, M.N.

Development of a New Method to Assess the Low Temperature Properties of Bituminous Binders With the Dynamic Shear Rheometer/1st Int Conference on Rheology and Processing of Construction Materials, IFSTTAR, Paris, FR, 9-2 thru 4 ♣ ○

Fischer, H./ Poulidakos, L., Planche, J.-P., Das, P., Grenfell, J

Challenges while performing AFM on Bitumen. RILEM Symposium on Multi-Scale Modelling and Characterization of Infrastructure Materials, KTH, Stockholm, SE, 6-10 thru 12 ♣ ○

Fischer, H./Poulidakos, L./Planche, J.-P./Das, P./Grenfell, J.

Challenges while performing AFM on Bitumen, Rilem, Stockholm, SE, 6-10 thru 12 ♣ ○

Garcia, A./ Norambuena-Contreras, J./Partl, M.N.

Distribution of steel fibers during mixing of dense asphalt concrete/5th EATA Conference of the European Asphalt Technology Association, TU Braunschweig, Braunschweig, DE, 6-3 thru 5 ◆

Garcia, A./ Norambuena-Contreras, J./Partl, M.N.

Electrical, Thermal and Induction Heating Properties of Dense Asphalt Concrete/8th International Conference on Road and Airfield Pavement Technology, Taipei, TW, 6-14 thru 16 ♣ ○

Garcia, A./ Norambuena-Contreras, J./Partl, M.N.

Influence of Environmental Factors on the Particle Loss Resistance of Dense Asphalt Concrete Reinforced with Steel Wool Fibers/ 8th International Conference on Road and Airfield Pavement Technology, Taipei, TW, 6-14 thru 16 ◆

Garcia, A./Norambuena-Contreras, J./Asanza Izquierdo, E./Castro-Fresno, D./Partl, M. N.

A new Model on the Hydraulic Conductivity of Asphalt Mixtures/8th International Conference on Road and Airfield Pavement Technology, Taipei, TW, 6-14 thru 16 ♣ ○

Hugener, M.

Low Temperature Characterization of Binders and Experience with Vegetable Based Rejuvenators, SIV Societa Italiana Infrastrutture Viarie, Padova, IT, 9-12 ♣ ○

Jeoffroy, E./Garcia, A./Studart, A./Partl, M.

Accelerated Crack Healing in Dense Asphalt Concrete by Induction Heating, Empa PhD Symposium, Empa Akademie, Dübendorf 10-23 ◆

Lal, S./Poulikakos, L./Partl, M./Derome, D./Carmeliet, J.

Dynamics of Wetting and Drying in Porous Asphalt under Realistic Atmospheric Conditions, Empa PhD Symposium, Empa Akademie, Dübendorf 10-23 ◆

Partl, M.N.

Performance-Based Investigation of Mechanical Pavement Properties/ 2nd MESAT Conference on Sustainable Asphalt Pavements in the Middle East, American University of Sharjah, Sharja, UAE, 2-05 ♣ ○

Partl, M.N.

Specific Aspects of Innovative Testing and Research for Asphalt Pavement Materials/ 8th International Conference on Road and Airfield Pavement Technology, Taipei, TW, 6-14 thru 16 ♣ ○

Partl, M.N./ Ashgarzadeh, M./Tabatabaee, Naderi, K.

Modeling the Phase Angle Master Curves of Modified Bituminous Binders: Estimating the Plateau Zone using Heaviside Step Function/1st Int Conference on Rheology and Processing of Construction Materials, IFSTTAR, Paris, FR, 9-2 thru 4 ♣ ○

Partl, M.N./Bueno, M./Hugener, M.

Fracture Toughness Testing Aspects for Assessing Low Temperature behavior of Bituminous Binders/RILEM Symposium on Multi-Scale Modelling and Characterization of Infrastructure Materials, KTH, Stockholm, SE, 6-10 thru 12 ♣ ○

Partl, M.N./Ghafoori Roozbahany, E./Witkiewicz, P.

Evaluation of Fracture Tests for Compaction Joints in Asphalt Pavements/Internat. RMPD Seminary, American University of Sharjah, Sharja, UAE, 2-04 ♣ ○

Poulikakos, D./Saba Saneinejad/Marjan Sedighi Gilani/Iwan Jerjen/Peter Vontobel/Eberhard Lehmann/Dominique Derome

Forced convective drying and gravity driven drainage of wet porous asphalt imaged with neutron radiography, Materials research Society, Boston, US, 12-03 ♣ ○

Raab, C./Arrigada M./Partl, M.N.

Bond Performance and Crack Development of Reinforced Asphalt Pavements, Int. Journal of Pavements, Sao Paulo, BR, 12-09 ♣ ○

Raab, C./Partl, M.N.

Investigation of Asphalt Bridge Deck Systems, Int. Journal of Pavements, Sao Paulo, BR, 12-10 ♣ ○

Soenen, H./ Besamusca, J./Poulikakos, L./Planche, J-P./ Das, P./Kringos, N./Grenfell, J./Chailleux, E

Differential Scanning Calorimetry Applied to Bitumen: Results of the RILEM NBM TG1 Round Robin test/RILEM Symposium on Multi-Scale Modelling and Characterization of Infrastructure Materials, KTH, Stockholm, SE, 6-10 thru 12 ♣ ○

Soenen, H./Besamusca, J./Poulikakos, L./Planche, J-P./Das, P./Kringos, N./Grenfell, J./Chailleux, E.

Differential Scanning Calorimetry Applied to Bitumen: Results of the RILEM NBM TG1 Round Robin test, Rilem, Stockholm, SE, 6-10 thru 12 ♣ ○

Feltrin, G./Flouri, K./Jalsan, K./Bischoff, R./Meyer, J.

Wireless vibration monitoring of a footbridge. Evaces'13 Experimental Vibration Analysis for Civil Engineering Structures – UFJF, Ouro Preto, BR, 10-28 thru 30 ♣

Flouri, K./Bischoff, R./Meyer, J./Feltrin, G.

Wireless monitoring of the dynamic performance of a footbridge. SMAR 2013, ITU, Istanbul, TR, 09-09 thru 11 ♣

Franke B./Franke, S./Widmann, R./

X-Ray technology for the assessment of existing timber structures. 18th Int. Nondestructive Testing and Evaluation of Wood Symposium, Madison, Winconsin, US, 09-24 thru 27 ♣

Franke, B./Widmann, R./Müller, A./Tannert, T.

Assessment and monitoring of the moisture content of timber bridges. ICTB 2013, 2nd. Int. Conference Timber Bridges, Las Vegas, Nevada, US, 09-30 thru 02 ♣

Jockwer, R./Frangi, A./Serrano, E./Steiger, R.

Enhanced design approach for reinforced notched beams. CIB-W18 meeting 46, Vancouver, CA, 08-26 thru 29 🍄

Jockwer, R./Steiger, R./Frangi, A.

Fully threaded self-tapping screws subjected to combined axial and lateral loading with different load to grain angles. RILEM Timber Structures Conference on «Materials and Joints in Timber Structures – Recent Advancement of Technology», Stuttgart, DE, 10-08 thru 10 🍄

Kobel, P./Steiger, R./Frangi, A.

Experimental analysis on the structural behaviour of connections with LVL made of beech wood RILEM Timber Structures Conference on «Materials and Joints in Timber Structures – Recent Advancement of Technology», Stuttgart, DE, 10-08 thru 10 🍄

Maslanka, M./Weber, F.

Precise Stiffness Control with MR Dampers. Paper No. 147, IMAC-XXXI Conference & Exposition on Structural Dynamics, Garden Grove, US, 02-11 thru 14 🍄

Meier, U./Brönnimann, R. Widmann, R./Winistörfer, A./Irniger, Ph./Deuring, M.

Environmental-friendly footbridge made of CFRP, GFRP and Timber. ICCM19 19 International Conference of Composite Materials, Composite Materials: The Great Advance, Montreal, CA, 07-28 thru 02 🍄

Michels, J./Czaderski, C./Martinelli, E./Motavalli, M.

RC beams strengthened with prestressed and gradually anchored CFRP strips. SMAR 2013, ITU, Istanbul, TR, 09-09 thru 11 🍄

Michels, J./Motavalli, M.

Strength Evolution after high temperature exposure of coated carbon fiber rovings used for a fiber-reinforced cementitious matrix (FRCM) APFIS 2013, The 4th Asia Pacific Conference on FRP Structures, Melbourne, AU, 12-11 thru 13 🍄

Motavalli, M./Havranek, B.

SMAR 2013, ITU, Istanbul, TR, 09-09 thru 11 ■

Prinz, G./Ghafoori, E./Nussbaumer, A./Motavalli, M./Herwig, A./Fontana, M.

Finite element modeling for fatigue strengthening of metallic riveted bridges using un-bonded pre-stressed CFRP plates, SMAR 2013, ITU, Istanbul, TR, 09-09 thru 11 🍄

Sadeghi, A./Weber, B./Pfyl-Lang, K./Motavalli, M.

Post-tensioning for rehabilitation of the in-plane behavior of structural masonry walls SMAR 2013, ITU, Istanbul, TR, 09-09 thru 11 🍄

Sanabria, S.J./Schütz, P., Neuenschwander, J./Widmann, R./Niemz, P.

Novel air-coupled ultrasound method for moisture-induced delamination imaging in individual bonding planes of historic glued timber. 18th Int. Nondestructive Testing and Evaluation of Wood Symposium, Madison, Winconsin, US, 09-24 thru 27 🍄

Steiger, R./Piskoty, G./Widmann, R./Herwig, A.

Failures in large-span roof structures in Switzerland, IABSE Workshop on Safety, Failures and robustness of large structures, Helsinki, FI, 02-14 thru 15 🍄 ○

Weber, B./Wyrzykowski, M./Griffa, M./Carl, S./Lehmann, E./Lura, P.

Neutron Radiography of Heated High-Performance Mortar Fire Spalling 2013 International Workshop on Concrete Spalling due to Fire Exposure, Paris, FR, 09-25 thru 27 🍄

Weber, F./Distl, J./Maslanka, M.

Semi-active TMD Concept for Volgograd Bridge. Paper No. 148, IMAC-XXXI Conference & Exposition on Structural Dynamics, Garden Grove, US, 02-11 thru 14 🍄

Widmann, R./Beikircher, W./Cabo, J./Steiger, R.

Bending strength and stiffness of glulam beams made from thermally modified beech timber RILEM Timber Structures Conference on «Materials and Joints in Timber Structures – Recent Advancement of Technology», Stuttgart, DE, 10-08 thru 10 🍄

Widmann, R./Kutnar, A.

Dynamic mechanical analysis (DMA) as a tool for characterization and non-destructive testing of wood. 18th Int. Nondestructive Testing and Evaluation of Wood Symposium, Madison, Winconsin, US, 09-24 thru 27 🍄

Widmann, R./Meier, U.

Combination of timber, CFRP and GFRP for the design and construction of a bowstring arch bridge. ICBT, 2nd. Int. Conference Timber Bridges, Las Vegas, Nevada, US, 09-30 thru 02 🍄

Widmann, R./Tannert, T./Frei, R.

Comparison of different strengthening techniques of glulam SMAR 2013, ITU, Istanbul, TR, 09-09 thru 11 🍄

Materials meet Life**Amberg, M.**

Grain Growth of Sputter deposited Gold and Silver Thin Films on Polymer, 19th International Vacuum Congress (19th International Conference on Plasma Processes), Paris, FR, 09-12 🍄

Amberg, M.

Fadenbeschichtung mit Niederdruckplasmen, ITV Schlichterei- und Garnbeschichtungs-Kolloquium, Denkendorf, DE, 09-26 🍄 ○

Blanchard, N.

Effect of aqueous environment on properties of Ag/a-C:H:O nanocomposite films, 19th International Vacuum Congress (19th International Conference on Plasma Processes), Paris, FR, 09-13 ♣

Blanchard, N./Hanselmann, B./Hegemann, D./Heuberger, M.

Thin Plasma Polymer Coatings Exhibiting a Stable Vertical Chemical Gradient, 16. Fachtagung für Plasmatechnologie, Greifswald, DE, 02-19 ♦

Blanchard, N./Hanselmann, B./Hegemann, D./Heuberger, M.

Stability of hexamethyldisiloxane plasma polymers in aqueous environments, 19th International Vacuum Congress, Paris, FR, 09-10 ♦

Blanchard, N./Hanselmann, B./Hegemann, D./Heuberger, M.

Stability of hexamethyldisiloxane plasma polymers in aqueous environments, PhD Symposium, Empa Akademie, Dübendorf 10-23 ♦

Drabik, M./Amberg, M./Körner, E./Schöller, K./Hegemann, D.

Plasma and Textiles, Seminar Charles University in Prague, Pec p. Snezkou, CZ, 10-18 ♣ ○

Drabik, M./Celma, C./Rupper, P./Kousal, J./Biederman, H./Hegemann, D.

Properties of C:H:O plasma polymer films deposited from acetone vapors, 8th International Conference on Solid State Surfaces and Interfaces 2013 (SSSI 2013), Smolenice, SK, 11-25 ♣

Drabik, M./Hegemann, D.

Textile Sensoren mittels Nanokompositbeschichtungen, 52nd Dornbirn-Man-made Fibers Congress, Dornbirn, AT, 09-11 thru 13 ♣ ○

Drabik, M./Hegemann, D.

Ag/C:H:O Nanocomposites on Textile Fibers for Sensor Applications, 6th International Workshop on Polymer/Metal Nano-composite, Toulouse, FR, 09-16 thru 18 ♣

Drabik, M./Hegemann, D./Biederman, H.

Deposition process of Ag/a-C:H:O nanocomposite films, The 40th IOP Annual Spring Conference on Plasma Physics, York, GB, 03-25 thru 28 ♣ ○

Drabik, M./Hegemann, D./Pesicka, J./Biederman, H.

Effect of aqueous environment on properties of Ag/a-C:H:O nanocomposite films, European Congress and Exhibition on Advanced Materials and Processes, Sevilla, ES, 09-09 thru 13 ♣

Drabik, M./Schöller, K./Lawes, S./Hegemann, D./Gaan, S./Heuberger, M.

E-Fibers: Sensor Functionality, Nano-Tera.ch Annual Plenary Meeting 2013, Bern 05-30 thru 31 ♦

Drabik, M./Vogel-Schäuble, N./Hegemann, D./Biederman, H.

Deposition and properties of Ag/a-C:H:O Nanocomposites on Textile Fibers for Sensor Applications, XXXI International Conference on Phenomena in Ionized Gases, Granada, ES, 07-14 thru 19 ♦

Fortunato, G.

Entwicklung neuer Fasern, Materialforschung als Dienstleistung in Ihrer Nähe, Analytik, Entwicklung und geförderte Projekte, Empa, St. Gallen 06-20 ♣

Gaan, S./Liang, S.

Synergistic Interaction of Nanoparticles and Phosphorus Based Flame Retardants: Recent Developments, Krakow, PL, 05-16 thru 17 ♣ ○

Gaan, S./Neisius, M.

Recent developments in flame retardants based on phosphorus and nitrogen based compounds, COST MP 1105 Scientific workshop Innovative Flame Retardant Systems (applications and testing), Maribor, SI, 03-27 thru 28 ♣ ○

Gaan, S./Neisius, M./Stelzig, T./Liang, S.

Novel P-N Bonded Flame Retardants, 24th Annual Conference on Recent Advances in Flame Retardancy of Polymeric Materials, Stamford CT, US, 05-20 thru 22 ♣ ○

Gaan, S./Neisius, M./Stelzig, T./Liang, S./Cuchere, O./Buczko, A.

Novel P-N Bonded Gas Phase Flame Retardants, 14th European Meeting on Fire Retardant Polymers, FRPM2013, Lille, FR, 07-01 thru 04 ♣

Gottardo, L.

Design and development of liquid filled polymeric fibers with flexure rate viscoelastic properties, 29th International Conference of Polymer and Processing Society, Nürnberg, DE, 07-16 ♣

Halbeisen, M.

Die Kartonmenschale der Zukunft, Materialforschung als Dienstleistung in Ihrer Nähe, Analytik, Entwicklung und geförderte Projekte, Empa, St. Gallen 06-20 ♣

Hegemann, D.

Plasma-substrate interaction during plasma coating of polymers, 16. Internationale Fachtagung für Plasmatechnologie, Greifswald, DE, 02-18 thru 20 ♣ ○

Hegemann, D.

Functional Coatings for Textiles, Work it! Conference 2013, Silverstone, GB, 04-15 thru 17 ♣ ○

Hegemann, D.

Advanced Plasma Polymer Coatings for Biomedical Applications, E-MRS Spring Meeting 2013, Strasbourg, FR, 05-27 thru 31 ♣

Hegemann, D.

Plasma Technology and Textiles – Still in its Infancy ?, 3rd Int. bluesign conference, St.Gallen 07-09 thru 10 ♣ ○

Hegemann, D. Energetic Considerations for Sputter Deposition Processes, ICPP 2013 Int. Conference on Plasma Physics, Oslo, NO, 07-22 🍄
Hegemann, D. Plasma Functionalized Submicron-Scaled Polymeric Substrates for Biomedical Applications, 21st International Symposium on Plasma Chemistry, Cairns, AU, 08-05 thru 09 🍄
Hegemann, D. Highly Functional and Permanent Plasma Polymer Layers Enabling Biomedical Applications, 19th International Vacuum Congress IVC, Paris, FR, 09-09 thru 13 🍄
Heuberger, M. Ion specific structure of nano-confined electrolytes, 27th Conference of the European Colloid and Interface Society, Sofia, BG, 09-02 🍄
Heuberger, M. Structure and Dynamics of Confined Supercritical CO ₂ , 27th Conference of the European Colloid and Interface Society, Sofia, BG, 09-05 🍄
Heuberger, M. Surface Forces and Density Fluctuations in Supercritical CO ₂ , 6th International Symposium on High Pressure Process Technology, Belgrade, RS, 09-10 🍄
Heuberger, M./Dommann, A./Amberg, M. AGLPL-Jahresversammlung 2013, Tagungsorganisation, Vorträge, Führung, St. Gallen 11-07 ■
Hufenus, R. Multicomponent Synthetic Fibers, Aksa Akrilik Seminar, Yalova, TR, 04-03 🍄 ○
Hufenus, R. Multicomponent Synthetic Fibers, 5th International R&D Project Brokerage Event, Bursa, TR, 04-04 thru 05 🍄 ○
Hufenus, R. Multifunctional Fibers for Tomorrow's Textiles, International Textile Conference Commemorating the 50th Anniversary of the Korean Fiber Society, Daegu, KR, 04-16 thru 18 🍄 ○
Hufenus, R. Multicomponent Fibers: From Research to Practice, 4th IVC Innovation Symposium, St. Gallen 08-21 🍄 ○
Hufenus, R./Leal, A.A./Reifler, F.A. Processing and Mechanical Behavior of Melt-Spun Amorphous Filaments, The Fiber Society Fall 2013 Technical Conference, Clemson, US, 10-23 thru 25 🍄 ○
Hufenus, R./Reifler, F. Biodegradable Fibers from Renewable Sources – Melt-Spinning of Polyhydroxyalkanoates (PHAs), The Fiber Society Spring 2013 Technical Conference, Geelong, AU, 05-22 thru 24 🍄 ○
Hufenus, R./Reifler, F.A. Biodegradable fibers from renewable resources – meltspinning of poly(3-hydroxybutyrate), 12th International Conference on Frontiers of Polymers and Advanced Materials, Auckland, NZ, 12-08 thru 12 🍄 ○
Leal A. Mechanical Properties of Polymer Fibers & Fiber-reinforced Composites, Seminar bei der Fa. Aksa, Yalova, TR, 04-03 🍄 ○
Leal, A. Processing and Mechanical Properties of Melt-Spun Amorphous Filament, 29th International Conference of the Polymer Processing Society, Nürnberg, DE, 07-17 🍄
Leal, A./Hufenus, R. Self-Healing with Double Core Melt-Spun Filaments, V. International R&D Brokerage Event in Turkish Textile and Clothing Sector, Bursa, TR, 04-04 thru 05 🍄 ○
Leal, A./Reifler, F./Hufenus, R. Hybrid Roving for Thermoplastic Composites, V. International R&D Brokerage Event in Turkish Textile and Clothing Sector, Bursa, TR, 04-04 thru 05 🍄 ○
Liang, S. Phosphoramidate As Flame Retardant for Flexible Polyurethane Foams: Structure-Properties Relationship, 14th European conference on Fire Retardancy and Protection of Materials, Greifswald, DE, 06-30 thru 04 ◆
Neisius, M. Dopo-based flame retardants: Evaluation of different synthetic methods and mode of flame retardant action, FRPM 2013, Lille, FR, 07-03 ◆
Neisius, M. DOPO-Based Additives: Efficient Flame Retardants for Polyurethane Foams, 10th international Conference «Advances in Plastics Technology-APT'13», Sosnowiez, PL, 10-09 🍄 ○
Neisius, M. DOPO-based additives: efficient flame retardants for polyurethane foams, Fire Resistance in Plastics 2013, Köln, DE, 11-14 🍄
Neisius, M. Novel Derivatives of DOPO as Flame Retardant Additives for Polymers, 245th ACS Meeting, New Orleans, US, 04-09 🍄

Reifler, F.

Zusammenarbeit mit uns, Materialforschung als Dienstleistung in Ihrer Nähe, Analytik, Entwicklung und geförderte Projekte, Empa, St. Gallen 06-20 ♣

Rupper, P.

Massgeschneiderte Analytik, Materialforschung als Dienstleistung in Ihrer Nähe: Analytik, Entwicklung und geförderte Projekte, Empa, St.Gallen 06-20 ♣

Rupper, P.

Materialforschung als Dienstleistung in Ihrer Nähe, Analytik, Entwicklung und geförderte Projekte, Empa, St. Gallen 06-20 ■

Rupper, P./Gaan, S./Salimova, V./Heuberger, M.

Surface Chemical investigations of cellulose char with novel phosphoramidate flame retardants, ECASIA'13; 15th European Conference on Applications of Surface and Interface Analysis 2013, Sardinia, IT, 10-13 thru 18 ♣

Skacelova, D.

Modification of c-Si and its oxides using atmospheric-pressure plasma, CIP 2013, Paris, FR, 09-12 ♦

Stelzig, T.

Halogen-free Phosphor-based Flame Retardants for PA6 Fibres, Trends im Brandschutz, innovative Flammenschutzmittel und Kunststoffanwendungen 13. SKZ Konferenz, Würzburg, DE, 09-11 thru 12 ♣ ○

Stelzig, T.

Phosphorus-based flame retardants for PA6, 14th European Meeting on Fire Retardancy and protection of Materials, Lille, FR, 06-30 thru 04 ♦

Stelzig, T./Neisius, M./Liang, S./Gaan, S.

Flame Retardant Synthesis, Mechanisms and Applications: An Empa Perspective, BASF Flame Retardant Day, Ludwigshafen, DE, 10-29 ♣ ○

Altenried, S.

Comparison of different methods for biofilm quantification in microplates/SGM 2013, Interlaken 06-26 thru 27 ♦

Boesel, L.

The effect of plasticizers on the barrier properties of biomimetic composites of chitosan/clay/EUROMAT 2013, Sevilla, ES, 09-08 thru 13 ♣

Faccio, G.

Microbial tyrosinase for protein immobilisation/SGM 2013, Interlaken 06-26 thru 27 ♦

Faccio, G.

Tyrosinase for protein immobilization/FEBS Workshop, Biological Surfaces and Interfaces, Sant Feliu de Guixols, ES, 06-30 thru 07-05 ♦

Heck, T.

Improving the sortase A transpeptidation reaction for efficient site-directed protein immobilization/2nd International Conference on Biomaterials Science, Tsukuba, JP, 03-19 thru 22 ♦

Heck, T.

Enzymatische Funktionalisierung von Oberflächen/9. Thementage Grenz- und Oberflächentechnik (ThGOT) und 9. Thüringer Biomaterial-Kolloquium, Zeulenroda, DE, 09-03 thru 05 ♣

Ihssen, J.

Microplate screening of Campylobacter jejuni N-oligosaccharyltransferase mutant libraries for activity-relevant residues/10th Carbohydrate Bioengineering Meeting – CBM 2013, Prague, CZ, 04-21 thru 24 ♣

Ihssen, J.

The biotechnological potential of laccase-like multi-copper oxidases/SSM annual meeting 2013, Interlaken 06-26 thru 27 ♣

Kämpf, M.

Development of a bioprocess for the high yield production of glycoconjugate vaccines against Shigella flexneri 2a in E. coli/International Symposium of the German Society of Biochemistry and Molecular Biology (GBM), Frankfurt, DE, 10-03 thru 06 ♦

Lavielle, N.

Transversal porosity gradient in electrospun biopolyester nanofibrous membranes for directional drug delivery – Focus on composite self-organization/EPF 2013, Pisa, IT, 06-16 thru 21 ♣

Lavielle, N.

Transversal porosity gradient in electrospun biopolyester nanofibrous membranes for directional drug delivery/EUROMAT 2013, Sevilla, ES, 09-08 thru 13 ♣

Ren, Q.

High level production of a novel bacterial tyrosinase for biomaterials/Conference RPP7, Laupheim, DE, 05-06 thru 08 ♦

Ren, Q.

Process engineering for high level production of tyrosinase in recombinant escherichia coli/SGM 2013, Interlaken 06-26 thru 27 ♦

Ren, Q.

Bioprocess optimization of poly(4-hydroxybutyrate) (P4HB) from 4HB and xylose: Identification of factors stimulating P4HB synthesis/ESBP2013, Lisbon, PT, 10-07 thru 09 ♣

Richter, M.
Site-directed protein immobilization on polymer surfaces via sortase a transpeptidation reaction/The Joint European Summit for Clinical Nanomedicine 2013 (CLINAM 2013), Basel 06-23 thru 26 ■ 🍄

Richter, M.
SAM-dependent biocatalytic methylation reactions/Biotrans 2013, Manchester, UK, 07-21 thru 25 ◆

Richter, M.
Enzymatische Funktionalisierung von Oberflächen/Farbe und Lack-Konferenz, Stuttgart, DE, 11-21 🍄 ○

Stiefel, P.
Biofilm detection and removal/Biotechnet Summerschool 2013, Innsbruck, AU, 09-01 thru 05 🍄 ○

Thöny-Meyer, L.
Playing biomimetic puzzles on photoelectrochemical hematite cells: proteins, pigments & co., Cost Action TD 1102, Antwerpen, NL, 04-09 thru 12 🍄 ○

Thöny-Meyer, L.
Board SCG Frühjahrstagung, PSI - Villigen 04-19 ■

Thöny-Meyer, L.
Enzyme-catalyzed functionalization of surfaces through crosslinking reactions, World Biotechnology Congress 2013, Boston, US, 06-04 thru 07 🍄 ○

Thöny-Meyer, L.
The biotechnological potential of laccase-like multi copper oxidases (LMCOs)/Biotrans 2013, Manchester, UK, 07-21 thru 25 ◆

Butti, P.
Universität Antwerpen. Workshop on Nanostructured Graphene«Efficiency of Graphene based rectifiers», Antwerpen, BE, 05-21 thru 24 ◆

Butti, P.
PHD-Students-Symposium. «Efficiency of Graphene based rectifiers», Empa Akademie, Dübendorf 10-23 🍄

Grossmann, G.
16. Europäisches Elektroniktechnologie-Kolleg «Analytik in der Elektronik», Mallorca, ES, 03-21 thru 24 🍄 ○

Hack, E.
Photomechanics, «Failure and damage in CFRP torsion tubes», Montpellier, FR, 05-26 thru 29 ■ 🍄

Hack, E.
CEN-WS71 Kick Off Meeting, «Introduction to calibration procedures for full-field strain measurements», Brüssel, BE, 06-11 thru 13 ■ 🍄

Hack, E.
CEN-WS71, 9th Int. Conf. on Advances in Experimental Mechanics, «Calibration Inter-Laboratory Study», Cardiff, GB, 09-03 thru 05 🍄

Jacob, P.
Universität Stuttgart,«Chippausfälle durch Laserschäden Richtlinie des ESD-Forums für die Vorgehensweise bei der ESD-Risikobewertung für ESD-gerechte Maschinen- und Anlagen», Stuttgart, DE, 04-19 🍄 ○

Jacob, P.
VDE-ITG Tagung «Aluminium Protrusion und Extrusion und ihre vielfältigen Ursachen», Grainau, DE, 05-07 thru 08 🍄

Jacob, P.
Vortrag bei Fa. Philips: «Failure Analysis on Optoelectronic Components», Eindhoven, NL, 06-29 🍄 ○

Jacob, P.
Universität Stuttgart, «Keramische DIL Gehäuse für Backside-Untersuchungen an Chips», Stuttgart, DE, 10-18 🍄 ○

Jacob, P.
39th ISTFA International Symposium for Testing and Failure Analysis. «Anamnesis in Failure Analysis – How a System-Related Approach Can Save Failure Analysis (FA) Time, Shorten Learning Loops and Reduce Cost», San José, California, US, 11-03 thru 7 🍄

Jacob, P./Nicoletti, G.
ESREF 2013 «Failure causes generating aluminium protrusion/extrusion», Arcachon, FR, 09-30 thru 10-04 🍄

Scheller Lichtenauer, M./ Schuetz, P./ Zolliker, P.
Interaction improves judgements of surface reflectance properties / European Conf. on Visual perception, Bremen, DE, 08-25 thru 29 ◆

Scholder, O.
Universität Konstanz : Fabrication, simulation and characterisation of optical antennas, Konstanz, DE, 06-20 🍄 ○

Schütz, Ph.
1st Int. Conference on Tomography of Materials and Structures (ICTMS).«Reducing environmental scattering in industrial X-ray computer tomography by instrumental redesign», Ghent, BE, 07-01-thru 05 🍄

Shorubalko, I.
PASI Particle-surface interactions: from surface analysis to materials processing «Aspects of nanostructuring by Helium Focused beam», Luxembourg, LU, 06-03 thru 05 🍄

- Berner, S./Kopf, B./Lischer, S./Ruch, S./Maniura-Weber, K.**
Protein and blood adsorption on titanium and titanium zirconium implants as a model for osseointegration/EAO European Association for Osseointegration, Dublin, IE, 10-17 thru 19 ♣ ○
- Bürki, T.**
Novel human placenta in vitro models for nanomaterial testing/In vitro Barrier Models, St.Gallen 03-14 ♣ ○
- Bürki, T./Manser, P./Grafmüller, S./Annaheim, H./ Jochum, W./Diener, P.A./Von Mandach, U./Wick, P.**
Ex vivo and in vitro placenta model systems to study nanoparticle interaction with the placenta/41st Conference of the European Teratology Society, Stresa, IT, 09-08 thru 11 ◆ ♣
- Esteva, T./Studer, D./Shudo, M./Akagi, T./ Akashi, M./Maniura-Weber, K./Matsusaki, N./Zenobi-Wong, M.**
Coated γ -PGA-Phe nanoparticles for siRNA delivery/SSB2013 – 19th Swiss Conference on Biomaterials, Davos 06-25 thru 26 ◆
- Grafmüller S./Sommerhalder J./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 of the Life Sciences Switzerland LS2, Zurich 01-31 thru 01 ◆
- Grafmüller, S./Von Mandach, U./Manser, P./Diener, L./Diener, P.A./ Jochum, W./Krug, H.F./Wick, P.**
Transfer of engineered nanoparticles across the human placenta/Eurotox 2013, Interlaken 09-01 thru 04 ◆ ♣
- Hirsch, C.**
A novel comprehensive evaluation platform to assess nanoparticle toxicity in vitro/10th International Particle Toxicology Conference, Düsseldorf, DE, 06-04 thru 09 ♣
- Hirsch, C./Coullerez, G./Diener, L./Wick, P./Krug, H.F./Hofmann, H.**
Correlation between physical-chemical particle properties, dosimetry and in vitro nanotoxicity/CCMX annual meeting, Bern 04-30 ◆
- Hirsch, C./Wick, P./Krug, H.F.**
A novel comprehensive evaluation platform to assess nanoparticle toxicity in vitro/2nd QNano International Conference, Quality in nanosafety assessment – driving best practice and innovation, Prague, CZ, 02-27 thru 01 ◆
- Huber, R./Maniura, K./Spencer, N./**
Morphological Gradients for Protein Adsorption/SAOG 2013 29th Annual Meeting of the Swiss Working Group for Surface and Interface Science, Fribourg 01-25 ◆
- Huber, R./Maniura, K./Spencer, N./**
Using Gradients to Study Influence of Morphology on Protein Adsorption/ICBS 2013 2nd International Conference on Biomaterials Science, Tsukuba, JP, 03-19 thru 22 ◆
- Hufenus, R./Reifler, F.A./Maniura-Weber, K./Zinn, M./Spierings, A./Hänggi, U.J.**
Biodegradable Fibers from Renewable Sources – Melt-Spinning of Polyhydroxyalkanoates (PHAs)/Fiber Society's Spring 2013 Conference, Geelong, Victoria, AU, 05-22 thru 24 ♣
- Kaiser, J.-P./Diener, L./Wick, P.**
Are the nanoparticles in the paints the biocides of the 21st century?/10th International Particle Toxicology Conference, Düsseldorf, DE, 06-04 thru 08 ♣
- Kaiser, J.P./Wick, P.**
Effekte von freigesetzten Nanopartikeln auf die Gesundheit. Technologie-Briefing: Nanomaterialien in Fassadenbeschichtungen/Empa-Akademie, Empa Akademie, Dübendorf 11-14 ♣
- Kopf, B./Maniura, K./Courty, D./Spolenak, R./Torre, F.D./Faoro, F.**
Nanocrystalline Ti-alloys – a potential candidate as dental implant material/CTI Medtech Event 2013, Bern 08-27 ◆
- Kopf, B.S./Lischer, S./ Berner, S./Maniura-Weber, K.**
Interaction of blood components with titanium implant surfaces affects the osseointegration of bone implants/SSB 2013 – 19th Swiss Conference on Biomaterials, Davos 06-25 thru 26 ◆
- Kopf, B.S./Lischer, S./Berner, S./Maniura-Weber, K.**
Mimicking early events during osseointegration of titanium implants in vitro/ESF Workshop 'Biological Surface and Interface', Sant Feliu de Guixols, ES, 06-30 thru 06 ◆
- Kopf, B.S./Lischer, S./Tobler, U./Berner, S./Maniura-Weber, K.**
A new in vitro model to mimic the osseointegration of titanium implants in vivo/ESB 2013 – 25th European Conference on Biomaterials, Madrid, ES, 09-08 thru 12 ♣ ○
- Lischer, S./Pecnik, C./Muff, D./Özcan, M./Sailer, I./Berner, S./Appert, C./Maniura, K./Spolenak, R.**
Colored Ceramic Surfaces for Metallic Dental Implants and Prosthetic Appliances/CCMX annual meeting, Bern 04-30 ◆
- Lischer, S./Tobler, U./Gruner, Ph./Maniura-Weber, K.**
Choice of cell type and test method defines the results of a cytotoxicity study of HA coatings according to ISO-norm 10993-5/SSB 2013 – 19th Swiss Conference on Biomaterials, Davos 06-25 thru 26 ◆
- Maniura-Weber, K.**
Evaluation of biocompatibility using in vitro methods: interpretation, limitations and perspectives/Materials-Biology Interactions at Oerlikon Balzers, Oerlikon 04-08 ♣ ○

<p>Maniura-Weber, K. Studying biocompatibility using <i>in vitro</i> methods/World Medtech Forum (WMTF), Luzern, Luzern 09-17 thru 19 ♣ ○</p>
<p>Maniura-Weber, K. Cell studies at Empa – from 2D to 3D... more advanced?/Seminar Series Unispital Zürich, Bioengineering, Zurich 10-03 ♣</p>
<p>Millan, C./Miranda-Nieves, D./Yang, Y./Groth, T./Maniura-Weber, K./Zenobi-Wong, M. Use of Schiff Base Linkages for Engineering Cell-Cell and Cell-Tissue Interactions/ESF Workshop 'Biological Surface and Interface', Sant Feliu de Guixols, ES, 06-30 thru 05 ◆</p>
<p>Mulky, E Absorbable Fiber Reinforced Nanocomposites for bone void filler applications/Swiss Bone and Mineral Society Annual Meeting, Lausanne 03-21 ◆ ♣</p>
<p>Mulky, E Biodegradable Nano Fiber Reinforced Composites for Bone Void Filler/Applications Swiss Bone and Material Society, Interlaken 06-06 ◆ ♣</p>
<p>Mulky, E Biodegradable Nano Fiber Reinforced Composites for Bone Void Filler/Applications Summer School on Biomaterials and Regenerative Medicine, Riva del Garda, IT, 06-08 thru 12 ◆ ♣</p>
<p>Mulky, E./Yazgan, G./Fortunato, G./Buehlmann-Popa, A.M./Ruef, N./Hofstetter, W./Maniura-Weber, K./Luginbuehl, R. Biodegradable Fiber Reinforced Nanocomposites for bone void filler applications/SBMS/SVGO Annual Meeting 2013, Bern 06-06 ◆</p>
<p>Muoth, C./ Bürki, T./ Schipanski, A./ Rottmar, m./ Maniura-Weber, K. Engineering cell behavior: shape-normalised adherent cells to study cellular uptake of nanoparticles/Nanoscale Geometry and Functionality, Dechema ProcessNet Meeting, Frankfurt, DE, 03-27 ♣ ○</p>
<p>Obarzanek-Fojt, M./Elbs-Glatz, Y./Diener, L./Bruinink, A. In vitro evaluation of multiwall carbon nanotubes/PLLA composite by evaluating cytotoxicity of its degradation products/EuroNanoForum 2013, Dublin, IE, 06-18 thru 20 ◆</p>
<p>Obarzanek-Fojt, M./Elbs-Glatz, Y./Lizundia, E./Sarasua, J. R./Bruinink, A. From implantation to degradation – Are PLLA/MWCNT composite materials really cytocompatible?/SSB 2013 – 19th Swiss Conference on Biomaterials, Davos 06-25 thru 26 ♣ ○</p>
<p>Obarzanek-Fojt, M./Lizundia, E./Sarasua, J. R./Bruinink, A. Bioactive and non-toxic MWCNT reinforced PLLA composite for bone implant applications/ESB 2013 – 25th European Conference on Biomaterials, Madrid, ES, 09-08 thru 12 ◆</p>
<p>Rösslein, M. The Ultimate Goal – Achieving Comparability in a Nano-Cytotoxicity Assay Measurement/Nanobiotechnology International Workshop 2013/ Joint Research Centre EU, Ispra, IT, 12-03 thru 05 ♣</p>
<p>Rösslein, M./Wick, P. How well does RNA-seq quantification really work?/Systems Toxicology 2013 – From Basic Research to Human Risk, Ascona 04-28 thru 01 ◆</p>
<p>Schipanski, A./Mouth, C./Bürki, T./Rottmar, M./Wick, P, Maniura-Weber, K. Experimental approach to study the influence of cell architecture on cellular uptake of engineered nanomaterial/ESF Workshop 'Biological Surface and Interface', Sant Feliu de Guixols, ES, 06-30 thru 07 ◆</p>
<p>Schipanski, A./Mouth, C./Bürki, T./Rottmar, M./Wick, P./Maniura-Weber, K. Does the cell architecture influence engineered nanomaterial uptake? – an experimental approach/Clinical Nanomedicine & Targeted Medicine (CLINAM), Basel, Basel 06-23 thru 26 ♣ ○</p>
<p>Schipanski, A./Valet, S./ Maniura-Weber, K./Weisse, B./Berghänel, F. Development of a ceramic resurfacing hip joint implant with osseointegrative surface structure/CTI Medtech Event 2013, Bern 08-27 ◆</p>
<p>Studer, D./ Born, A.K./Maniura-Weber, K./Zenobi-Wong, M. Studying paracrine interactions in bioprinted co-cultures by use of collagen 2-reporter construct/Where science meets Clinics, Davos 09-05 thru 07 ◆</p>
<p>Studer, D./Esteve, T./Shudo, M./Akagi, T./Matsusaki, N./Akashi, M./Maniura-Weber, K./Zenobi-Wong, M. Coated γ-PGA-Phe nanoparticles for siRNA delivery/ESF Workshop 'Biological Surface and Interface', Sant Feliu de Guixols, ES, 06-30 thru 06 ◆</p>
<p>Wick, P. Umgang mit Risiken: Wie verändert Nanotechnologie unseren Alltag?/Postgraduales Masterstudium Versicherungsmedizin, Adliswil, Adliswil 02-07 ♣ ○</p>
<p>Wick, P. Nanotoxikologie: eine interdisziplinäre Herausforderung/Materials Valley, Nanopartikel – Einsatz in der Medizin, Chemie und Verfahrenstechnik, Hanau, DE, 02-21 ♣</p>
<p>Wick, P. Nanotoxikologie: eine interdisziplinäre Herausforderung/Materials Valley, Nanopartikel, Einsatz in der Medizin, Chemie und Verfahrenstechnik, Hanau, DE, 02-21 ♣ ○</p>

Wick, P.

Assessment of effectiveness and environmental risk posed by the use of nano-biocides/2nd International Fresenius Conference, Environmental Risk assessment of Biocides, Köln, DE, 04-25 thru 26 🍄 ○

Wick, P.

Assessment of effectiveness and environmental risk posed by the use of nano-biocides/2nd International Fresenius Conference, Environmental Risk assessment of Biocides, Köln, DE, 04-25 thru 26 🍄 ○

Wick, P.

What are cells telling us about nanomaterial safety?/World Materials Research Institute Forum (WMRIF), Empa Akademie, Dübendorf 05-12 thru 15 🍄 ○

Wick, P.

Nanomedicine-nanotoxicology the Janus Face of Nanomaterials/9th Materials' Days Rostock, Rostock, DE, 05-23 thru 24 🍄 ○

Wick, P.

What are cells telling us about nanomaterial safety?/12th FELASA SECAL Congress, Barcelona, ES, 06-10 thru 13 🍄 ○

Wick, P.

Nanoparticle transport across the human placenta/Clinical Nanomedicine & Targeted Medicine (CLINAM), Basel, Basel 06-23 thru 26 🍄 ○

Wick, P.

Knocking at the door of the unborn child: engineered issues in developmental and placental nanotoxicology, and directions for future research/41st Conference of the European Teratology Society, Stresa, IT, 09-08 thru 11 🍄 ○

Wick, P.

Innobite's 1st Workshop Biorefinery & Nanocellulose, Empa Akademie, Dübendorf 09-16 🍄 ○

Wick, P.

Current Challenges Facing Inorganic Nanoparticles in Medicine and Industry, Conference and working session, Bern 09-27 thru 28 🍄 ○

Yazgan, G./Zuber, S./Popa, A.M.

Nanostructured nanofibers for drug release and tissue engineering /SSB 2013 – 19th Swiss Conference on Biomaterials, Davos 06-25 thru 26 ♦

Zinn, M./Lischer, S./Dilettoso, S./Rupper, P./Maniura, K.

Soft polymeric surface coatings made from olefinic medium-chain-length poly(3-hydroxyalkanoate)/SSB2013 – 19th Swiss Conference on Biomaterials, Davos 06-25 thru 26 ♦ 🍄 ○

Mobility, Energy and Environment

Brunner, D.

Observing air pollutants and greenhouse gases from space – an overview/ Colloquium in Climatology, Climate Impact and Remote Sensing, University of Bern, Bern 12-18 🍄 ○

Brunner, D./ Henne, S./ Oney, B./ Bamberger, I./ Buchmann, N./ Davin, E./Mystakidis, S./ Seneviratne, S./ Gruber, N./ Liu, Y./ Leuenberger, M./ Roches, A./ Bey, I.

Understanding and quantifying CO₂ and 4 greenhouse gas fluxes on the regional scale: The project CarboCount / NOAA GMAC Annual Conference 2013, Boulder, Colorado, US, 05-21 thru 23 🍄

Brunner, D./ Henne, S./ Reimann, S./ Hiller, R. and Vollmer, M. K.

Lagrangian transport and inverse emission modeling of non-CO₂ greenhouse gases in Europe/ Atmospheric Chemistry Division, National Center for Atmospheric Research (NCAR), Boulder, Colorado, US, 05-19 🍄 ○

Brunner, D./ Knote, S./ Giordano L./ Hueglin, C.

Increases in wintertime oxidation capacity counteract the success of emission reduction measures in Europe with respect to secondary inorganic aerosols/International Technical Meeting on Air Pollution Modeling, Miami, Florida, US, 08-26 thru 30 🍄

Brunner, D./ Schnadt, C./ Henne, S./Hiller, R.

Inverse methane emission estimation from the scale of Switzerland to the global scale/ Oeschger Center, University of Bern, Bern 04-15 🍄 ○

Brunner, D./ Schnadt, C./ Henne, S./Hiller, R.

Inverse methane emission estimation from the scale of Switzerland to the globe/Earth and Environmental Sciences Division, Los Alamos National Laboratory, Los Alamos, New Mexico, US, 05-16 🍄 ○

Emmenegger, L.

Multi-component laser spectroscopy: on the way to the all-in-one laser sensor / Airmontech workshop, Duisburg, DE, 03-4 thru 6 🍄 ○

Emmenegger, L./ Tuzson, B./ Sturm, P./ Mangold, M./ Henne, S.

Four years of laser based d18O and d13C-CO₂ monitoring in the free troposphere/ EGU 2013, Vienna, A, 03-07 thru 12 🍄 ○

Emmenegger, L./ Tuzson, B./ Sturm, P./ Mangold, M./ Henne, S.

Tracking stable CO₂ isotopes with QCL spectroscopy at Jungfraujoch/ Goldschmidt 2013, Florence, IT, 08-25 thru 30 🍄 ○

<p>Emmenegger, L./ Tuzson, B./ Sturm, P./ Mangold, M./ Henne, S. Recent advances in QC laser spectroscopy for ambient air monitoring/ International Conference on THz and Mid Infrared Radiation and Applications to Cancer Detection Using Laser Imaging, Sheffield, GB, 10-10 thru 11 🍄 ○</p>
<p>Eyer, S./Mohn, J./Tuzson, B./Fischer, H./Emmenegger, L. Development of a real-time quantum cascade laser spectrometer for methane isotopic species in ambient air/ INGOS Project Meeting, Bremen, DE, 03-12 thru 14 🍄</p>
<p>Eyer, S./Mohn, J./Tuzson, B./Fischer, H./Emmenegger, L. Development of a real-time quantum cascade laser spectrometer for methane isotopic species in ambient air/ INGOS Project Meeting, Braunschweig, DE, 09-30 thru 10-02 🍄</p>
<p>Gehrig, R. Bedeutung der Raumlufqualität/Technischer Nichtraucherschutz am Arbeitsplatz, Empa Akademie, Dübendorf 02-26 🍄 ○</p>
<p>Gehrig, R. Air Quality Monitoring Technologies, Current State and Future Options/Final AirMonTech Conference, Brüssel, B, 05-16 🍄 ○</p>
<p>Gehrig, R. Emission Factors and Source Apportionment for Wear and Resuspension Particles Produced by Road Traffic/Urban Air Quality, the Challenge of Non-exhaust Emissions from Traffic, Barcelona, ES, 07-11 thru 12 🍄 ○</p>
<p>Herich, H. Abschätzung des Anteils der Holzfeuerungen an den Feinstaubkonzentrationen in der Schweiz/ LAI-Fachgespräch Holzfeuerungen in Ballungsräumen, Essen, DE, 10-01 thru 10-02 🍄 ○</p>
<p>Hiller, R./Bretscher, D./DelSontro, T./Eugster, W./Henne, S./Henneberger, R./Künzle, T./Merbold, L./Neininger, B./Schellenberger, A./Schroth, M./Buchmann, B./Brunner D. Spatially explicit methane inventory for Switzerland, Vienna, A, 04-09 thru 12 🍄</p>
<p>Hoerger, C.C./ Plass-Duelmer, C./ Steinbrecher, R./ Weiss, E./ Werner, A./ Reimann, S. et al. ACTRIS-Inter-laboratory comparison of VOCs in Europe: measurements of synthetic mixture and ambient air from pressurized cylinders, Vienna, A, 04-09 thru 12 ◆</p>
<p>Hueglin, Ch. Quality matters: The importance of reference methods and networks / Airmontech workshop, Duisburg, DE, 03-4 thru 6 🍄 ○</p>
<p>Hueglin, Ch./ Gehrig, R./ Hasenfratz, D./ Müller, M./ Saukh, O./ Schwarzenbach, B. / Emmenegger, L. Real-time mapping of air quality in cities for improved exposure estimation / ETH Nanoparticles Conference, Zurich 06-24 thru 26 🍄 ○</p>
<p>Jagerska, J./ Tuzson, B./ Looser, H./ Bismuto, A./ Beck, M./ Prinz, H./ Emmenegger, L. CLEO/EUROPE – IQEC 2013, München, DE, 05-12 thru 16 ◆</p>
<p>Ko, M./Newman, P./Reimann, S./Strahan, S. Re-Evaluation of the Lifetimes of Ozone- Depleting Substances and Related Trace Gases/CCMI-ESRL-NOAA annual meeting, 2013, Boulder, US, 05-14 thru 18 🍄</p>
<p>Leuenberger, M./Steinbacher, M./Buchmann, B./van der Laan-Luijkx, I./van der Lann, S./Schibig, M./Nyfeler, P. Comaprison of continuous in-situ CO2 observations at Jungfrauoch, Switzerland using two different measurement techniques / 17th WMO/IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases, and Related Measurement Techniques (GGMT-2013), Beijing, CN, 06-10 thru 14 🍄</p>
<p>Leuenberger, M./Steinbacher, M./Buchmann, B./van der Laan-Luijkx, I./van der Lann, S./Schibig, M./Nyfeler, P. Comaprison of continuous in-situ CO2 observations at Jungfrauoch, Switzerland using two different measurement techniques / 9th International Carbon Dioxide Conference, Beijing, CN, 6-3 thru 7 ◆</p>
<p>Liang, Q./ Chipperfield, M./ Rigby, M./ Ko, M./ Fleming, E./ Newman, P./ Reimann, S./ Strahan, S et al. Global OH abundance and lifetimes of long-lived OH-removal species inferred from 3CC13: Implications from box model inversion analysis and flux-based CCMs, Boulder, US, 05-14 thru 18 🍄</p>
<p>Mahieu, E./ O'Doherty, S./ Reimann, S./ Vollmer, M.K. et al. First retrievals of HCFC-142b from ground-based high-resolution FTIR solar observations: application to high-altitude Jungfrauoch spectra, Vienna, AT, 04-09 thru 12 ◆</p>
<p>Mangold, M./ Tuzson, B./ Looser, H./ Emmenegger, L. An portable Analyzer for CO2 isotopic composition measurements exclusively based on quantum cascade technology/ TDLS2013, Moskau, DE, 06-17 thru 21 ◆</p>
<p>Mangold, M./ Tuzson, B./ Looser, H./ Hofstetter, D./ Bonetti, Y./ Faist, J./ Emmenegger, L. An ultra compact CO2 isotope analyzer exclusively based on quantum cascade technology / CLEO/EUROPE – IQEC 2013, München, DE, 05-12 thru 16 ◆</p>
<p>Mohn, J./Tuzson, B./Wolf, B./Emmenegger, L. Recent Advances in Laser Spectroscopic Analysis of GHG Stable Isotopes/ SIBAE Final Conference, Wroclaw, PL, 05-14 thru 17 🍄</p>
<p>Plass-Dülmer, C./Reimann, S. Activities to improve harmonization and quality of European VOC and NOx long-term monitoring within ACTRIS, EGU, Vienna, A, 04-09 thru 12 ◆</p>

- Reimann, S.**
Emissionen von halogenierten Treibhausgasen auf dem Jungfrauoch, BAFU, Bern 04-24 ♣ ○
- Reimann, S.**
A first glimpse into the 2014 ozone assessment, AGAGE meeting, Boston, US, 10-11 ♣
- Reimann, S.**
Continuous measurements of atmospheric halocarbons for estimation of global and regional emissions, Harvard (USA) group seminar of Prof. Daniel Jacob, US, 10-11 ♣ ○
- Reimann, S./ Ko, M./ Newman, P./ Strahan, S.**
Re-Evaluation of the Lifetimes of Ozone-Depleting Substances and Related Trace Gases, EGU, Vienna, AT, 04-09 thru 12 ♣ ○
- Reimann, S./ Vollmer, M.K./ Brunner, D./ Steinbacher, M./ Hill, M./ Emmenegger, L.**
Kontinuierliche Messung von Nicht-CO₂-Treibhausgasen auf dem Jungfrauoch (HALCLIM-5), BAFU, Bern 05-22 ♣
- Schnadt Poberaj, C.**
Understanding atmospheric methane variability between 2001 and 2008 using inverse modelling and a global Lagrangian transport model, Wessling, DE, 11-11 ♣ ○
- Schönenberger, F./Reimann, S./Brunner, D./Peter, T.**
Empa PhD Symposium 2013, Empa Akademie, Dübendorf 10-23 ◆
- Schwarzenbach, B./Hüglin, Ch.**
Tests von sensorbasierten Systemen für die Messung der Luftqualität, Messtechnisches Kolloquium 2013, Berlin, DE, 05-06 thru 08 ♣
- Steinbacher, M.**
Network update – ICOS Switzerland / ICOS Atmosphere Monitoring Station Assembly, Paris, F, 11-13 thru 14 ♣
- Steinbacher, M./ Weingartner, E./Leuenberger, M./ Buchmann, B.**
The Global GAW Station Jungfrauoch – Measurement Programme & Selected Results, GAW 2013 Symposium, Genf 03-18 thru 20 ◆
- Steinbacher, M./ Zellweger, C./Klausen, J. Buchmann, B.**
QA/SAC Switzerland -Activities and Achievements, GAW 2013 Symposium, Genf 03-18 thru 20 ◆
- Steinbacher, M./Zellweger, C./Buchmann, B.**
QA/SAC Switzerland – Progress Report Spring 2013 / GAW- Landesausschuss-Sitzung, Zurich 03-07 ♣
- Steinbacher, M./Zellweger, C./Buchmann, B.**
The Swiss Contribution to quality assurance within the GAW monitoring network / International Workshop on the Global Atmospheric Watch (GAW) Activity, Jakarta, ID, 09-11 thru 12 ♣ ○
- Steinbacher, M./Zellweger, C./Emmenegger, L./Buchmann, B.**
Long-term field intercomparison of N₂O observations with GC-ECD and Cavity Enhanced Absorption Spectroscopy at Jungfrauoch / 17th WMO/IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases, and Related Measurement Techniques (GGMT-2013), Beijing, CN, 06-10 thru 14 ♣
- Tuzson, B./ Mangold, M./ Sturm, P./ Henne, S./ Looser, H./ Bonetti, Y./ Faist, J./ Emmenegger, L.**
Frontiers of isotope ratio measurements and the first analyzers fully based on QC technology/ Mid-Infrared Coherent Sources (MICS), Paris, FR, 27-10 thru 02-11 ♣
- Tuzson, B./Sturm, P./Henne, S./Emmenegger, L.**
Mid-IR Quantum cascade laser based spectrometer for isotope ratio measurements of tropospheric CO₂/ 41st Freiburg Infrared Colloquium, Freiburg, DE, 02-26 thru 27 ♣
- Vollmer, M.K.**
Replacements for CFCs in the atmosphere: A foamy history and maybe bad news for oceanographers, Scripps Institution of Oceanography, UCSD, La Jolla, California, US, 05-29 ♣ ○
- Vollmer, M.K./ Brennwald, M./ and others**
Halogenated anthropogenic trace gases: The atmospheric imprint and the search for new tracers, Goldschmidt Conference, Florence, IT, 08-25 thru 28 ♣ ○
- Vollmer, M.K./ Reimann, S./ Henne, S./ Hill, M./ AGAGE Team/ and others**
Atmospheric Histories and Global Emissions of the Halons H-1211 (CBrClF₂), H-1301 (CBrF₃), and H-2402 (CBrF₂CCl₂), 47th AGAGE meeting, Seogwipo, Jeju Island, KP, 05-13 thru 17 ♣
- Vollmer, M.K./ Reimann, S./ Rhee, T. S./ AGAGE Team**
Atmospheric Halogenated Climate Gases from the AGAGE Network and from King Sejong, Korea Polar Research Institute, Incheon, KP, 05-20 ♣ ○
- Vollmer, M.K./ Schoenenberger, F./ Reimann, S./ Hill, M.**
New Compounds, InGOS meeting, Bremen, DE, 03-12 thru 14 ♣
- Vollmer, M.K./ Schoenenberger, F./ Reimann, S./ Hill, M.**
Measurements of New Compounds, 47th AGAGE meeting, Seogwipo, Jeju Island, KP, 05-13 thru 17 ♣
- Wolf B./ Emmenegger, L./ Tuzson B./ Mohn J.**
Calibration strategy, precision and long term stability of real-time analysis of N₂O isotopomers / EGU 2013, Vienna, A, 03-07 thru 12 ♣

- Wolf, B./ Tuzson, B./ Merbold, L./ Emmenegger, L./ Mohn, J.**
Real-time measurement of N₂O isotopomers and the ¹⁸O-N₂O isotopologue by laser spectroscopy above intensively managed grassland in Central Switzerland/ Jahrestagung der Arbeitsgemeinschaft Stabile Isotope e.V., 2013, Braunschweig, DE, 09-30 thru 10-02 ♣
- Zellweger, C./ Steinbacher, M./ Hermansen, O./ Noone, B./ Buchmann, B.**
New approach of performance audits by WCC-Empa using a travelling analyser, GAW 2013 Symposium, Genf 03-18 thru 20 ◆
- Zellweger, C./Steinbacher, M./Emmenegger, L./Buchmman, B.**
Added value of side-by-side comparisons with a travelling analyzer during WCC-Empa audits / 17th WMO/IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases, and Related Measurement Techniques (GGMT-2013), Beijing, CN, 06-10 thru 14 ♣
- Zeyer, K./Vollmer, M.K./ Mohn, J./Schrade, S./Emmenegger, L.**
Trifluoromethyl sulphur pentafluoride (SF₅CF₃) as a new tracer gas for diffuse emissions/ University College Dublin, Dublin, IE, 06-23 thru 06-26 ◆
- Abegglen, M./Sierau, B./Mensah, A./Wang, J./Durdina, L./Gysel, M./Lohmann, U.**
Effective density measurements of different fresh soot types / European Aerosol Conference, Prag, CZ, 09-01 thru 06 ◆
- Bahk, Y.K./Wang, J.**
Determination of geometrical length of airborne carbon nanotubes by filtration method / European Aerosol Conference, Prag, CZ, 09-01 thru 06 ◆
- Brem, B./Durdina, L./Wang, J.**
Non-Volatile Particulate Matter Mass and Number Emission Indices of Aircraft Gas Turbine Sources / 17th ETH-Conference on Combustion Generated Nanoparticles, Zurich 06-23 thru 26 ♣
- Brem, B./Durdina, L./Wang, J.**
Measurement of Non-Volatile Particulate Matter Mass Emission Indices of Aircraft Gas Turbine Sources / European Aerosol Conference, Prag, CZ, 09-01 thru 06 ◆
- Buha, J./Müller, N./Nowack, B./Ulrich, A./Wang, J.**
The nanofraction of fly ashes in Swiss waste incineration plants (WIP) and the respective modelled contributions of engineered nanomaterials (ENM) / European Aerosol Conference, Prag, CZ, 09-01 thru 06 ◆
- Cao, L.N.Y./Wang, J./Fissan, H./Eggersdorfer, M.L./Pui, D.**
Novel 3D numerical simulations to calculate the capacitance of nanoparticle aggregates with necking effect and loose agglomerates / Conference of American Association for Aerosol Research, Portland, US, 09-30 thru 10-04 ◆
- Chen S.-C./Wang, J./Bahk Y.K./Fissan, H./Pui, D.**
Carbon Nanotube Penetration through Different Respirator Filters and Nuclepore Filters: Models and Experiments / Conference of American Association for Aerosol Research, Portland, US, 09-30 thru 10-04 ♣
- Chen, S.-C./Wang, J./Fissan, H./Pui, D.**
The Use of Nuclepore Filter for Ambient and Workplace Nanoparticle Exposure Assessment / European Aerosol Conference, Prag, CZ, 09-01 thru 06 ♣
- Durdina, L./Abegglen, M./Brem, B./Sierau, B./Wang, J.**
Effective Density Characterization of Soot Particles Emitted from Aircraft Gas Turbine Engine Sources / 17th ETH-Conference on Combustion Generated Nanoparticles, Zurich 06-23 thru 26 ◆
- Durdina, L./Brem, B./Abegglen, M./Sierau, B./Wang, J.**
Effective density of particulate matter emitted from aircraft gas turbine engine sources / European Aerosol Conference, Prag, CZ, 09-01 thru 06 ◆
- Figli, R.**
Methodenentwicklung zur quantitativen Bestimmung von Indium und Neodym in Elektronikschrott, SWICO Schweizerischer Wirtschaftsverband der Informations-, Kommunikations- und Organisationstechnik, Zurich 07-03 ♣ ○
- Heeb, N**
Benefits and risks of deNO_x- and combined filter-deNO_x technologies/TEVENOX-MEETING, Empa Akademie, Dübendorf 03-21 ♣
- Heeb, N.**
Secondary Emissions with Biofuels and FBCs, 4. VERT Forum Advanced Diesel Particle Filter-and deNO_x-Technologies – Impact of Biofuels, Empa Akademie Dübendorf, Empa Akademie, Dübendorf 03-22 ♣
- Heeb, N**
17th ETH Conference on Combustion Generated Nanoparticles, ETH Zürich 06-23 thru 26 ■
- Heeb, N**
PCDD/F formation in catalytic diesel particle filters: New risks with biofuels 17th ETH Conference on Combustion Generated Nanoparticles, Zurich 06-23 thru 26 ♣
- Heeb, N./Wichser, A.**
4. VERT Forum Advanced Diesel Particle Filter-and deNO_x-Technologies – Impact of Biofuels, Empa Akademie Dübendorf, Empa Akademie, Dübendorf 03-22 ■

- Hess, A.**
Novel SMPS-ICPMS Coupling Allows Simultaneous Analysis of Size Distribution and Elemental Composition of Airborne Nanoparticles, European Winter Conference on Plasma Spectrochemistry, Krakow, Poland, PL, 02-10 thru 15 ◆
- Hess, A.**
17th ETH Conference on Combustion Generated Nanoparticles, ETH Zürich 06-23 thru 26 ◆
- Kuo, Y.-Y./Zhang, H./Gerecke, A.C./Wang, J.**
Micro and nanoparticles released from the thermal cutting of polystyrene foams and the associated isomerization of hexabromocyclododecane (HBCD) diastereomers / European Aerosol Conference, Prag, CZ, 09-01 thru 06 ♣
- Losert S./Bendixen N./Hagendorfer H./Ashworth T./Hungerbühler K.**
Membrane-particle interactions using A4F as a technique for nanoparticle separation – the influence of the ζ -Potential, Wien, AT, 09-26 thru 27 ♣
- Losert S./Bendixen N./Hungerbühler K./Ulrich A.**
Membrane-particle interactions using A4F as a technique for nanoparticle separation – the influence of the ζ -Potential, Washington, US, 05-13 thru 16 ◆
- Losert S./Hungerbühler K./Ulrich A.**
Analytical Strategies for a systematic Characterization of Nanoparticle Release from commercial Spray Products for Exposure Quantification and Risk Assessment, Washington, US, 05-13 thru 16 ♣
- Pavlova, P.**
Ice cores for the reconstruction of historical input and migration behaviour of POPs in Alpine glaciers, International conference on chemistry and the environment (ICCE), Barcelona, ES, 06-22 thru 25 ♣
- Schlagenhauf, L./Buha, J./Thurnherr, T./Wick, P./Nüesch, F./Wang, J.**
Characterization of abraded particles from epoxy/carbon nanotubes composites / Nanotech conference 2013, Washington DC, US, 05-13 thru 16 ♣ ○
- Schmid, P.**
Gletscher – Reservoirs für Wasser und Schadstoffe (Naturforschende Gesellschaft GR), Chur 02-07 ♣ ○
- Senn, M.**
Die Geheimnisse der alten Werkstoffe. Wissenschaftsapéro Blasinstrumente, Empa Akademie, Dübendorf 06-10 ♣
- Senn, M.**
Les sites du Moyen Âge en lien avec la sidérurgie ancienne dans le Jura : données complémentaires et synthèse, Rencontre de Villersexel F, Villersexel, FR, 06-21 thru 22 ♣
- Senn, M.**
The chemical composition of iron alloys in the north of Swiss Alps from Iron Age till Medieval Times. 19th Annual Meeting of EAA, Pilsen, CZ, 09-04 thru 08 ♣
- Thompson, D./Wang, J./Pui, D.Y.H.**
The Application of the Universal Nanoparticle Analyzer for the Real-time Measurement of Engineered Nanoparticles in the Workplace / Conference of American Association for Aerosol Research, Portland, US, 09-30 thru 10-04 ◆
- Wichser, A.**
In Memory of Dr Andrea Ulrich: Chemical analysis of ancient metal objects – Prospects and limitations of trace metal investigation using plasma mass spectrometry, Analytical Chemistry in Cultural Heritage Protection, University of Warsaw, Warschau, PL, 12-05 thru 6 ♣ ○
- Zennegg, M.**
Old sins throw long shadows: PCBs – 40 years after restrictions in Switzerland – still an environmental problem?, IV Reunión Nacional de Dioxinas Furanos y Compuestos Orgánicos Persistentes Relacionados, Alicante, Spain, Alicante, Spain, ES, 06-26 thru 28 ♣ ○
- Zennegg, M.**
From Seveso to Yushchenko – what have we learned about Dioxins?, Labor für Radio- und Umweltchemie der Universität Bern und des Paul Scherrer Instituts, Universität Bern, Bern 11-22 ♣ ○
- Zhang, H./Kuo, Y.-Y./Jing Wang, J./Gerecke, A.C.**
Co-release of hexabromocyclododecane (HBCD) and Micro- and NANOparticles from thermal cutting of polystyrene foams, San Francisco, US, 04-07 thru 10 ◆
- Bliersbach, A.**
The influence of metal atoms on the hydrogen adsorption properties of gra-phene. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 ◆
- Bonk, A.**
Ceria based redox reactions for the production of fuels from CO₂ and H₂O. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 ◆
- Bonk, A.**
Development of Doped CeO₂ Foams for Thermochemical Solar Fuel Production from H₂O and CO₂ Verfahrenstechnischer Tag, Bremerhaven, DE, 10-18 ♣ ○
- Borgschulte, A.**
Synthetischer Treibstoff Synfuel, CO₂-arme Treibstoffe der Zukunft, Technology Briefing Empa Akademie, Empa Akademie, Dübendorf 02-14 ◆ ♣ ○

Borgschulte, A.

Wasserstoffspeicherung – wer hat das Ei des Kolumbus, H2BZ-Workshop «Wasserstoffspeicherung», TU Darmstadt, DE, 02-19 🍄 ○

Borgschulte, A.

Photosynthese durch die physikalische Brille, Physikalische Gesellschaft Zürich, Uni Zürich 03-19 🍄 ○

Borgschulte, A.

Neutron scattering of hydrogen storage materials: from anharmonic vibrations to thermodynamics, Dynamics of Molecules and Materials-II, Satellite workshop of the International Conference on Neutron Scattering ICNS 2013, University Glasgow, UK, 07-05 thru 06 🍄 ○

Borgschulte, A.

Lecture «Energiespeicherung – wer hat das Ei des Kolumbus», Blockwoche «Ökologie zwischen Politik und Wirtschaft», HSLU T&A, Luzern 09-03 🍄 ○

Borgschulte, A.

Manipulating the reaction path of the CO₂ hydrogenation reaction to increase the energy efficiency of solar fuels, Seminar, TU Delft, NL, 10-01 🍄 ○

Borgschulte, A.

A ten years' time travel through the research on hydrogen storage, keynote lecture, Final meeting of the ACTS Sustainable Hydrogen, De Reehorst in Ede, NL, 11-25 thru 27 🍄 ○

Borgschulte, A. / Probst, B.

What is the Overpotential, UFSP Scientific meeting, Uni ZH, Uni Zürich 07-16 🍄

Callini, E.

Physical and Chemical Properties of Volatile Complex Hydrides. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 🍄

Callini, E.

Physical and Chemical Properties of Volatile Complex Hydrides. Gordon Conference and Seminar, Il Ciocco, IT, 07-12 thru 19 ♦

Callini, E.

TiCl₃ addition to alanates and borohydrides: catalysis or metathesis? Gordon Conference and Seminar, Il Ciocco, IT, 07-12 thru 19 🍄 ○

Delmelle, R.

Surface chemistry of Ti on NaAlH₄ studied by XPS, European Technical School on Hydrogen and Fuel Cells 2013, Heraklion, GR, 09-23 thru 27 🍄

Delmelle, R.

Probing the surface of a hydrogen storage material and making it functional, European Technical School on Hydrogen and Fuel Cells 2013, Heraklion, GR, 09-23 thru 27 🍄

Gehrig, J.

Hydrogenation of CO₂ by Subsurface Hydrogen. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoos, Stoss 01-21 thru 25 ♦

Gorbar, M.

Composite Membranes for Conventional High Pressure Alkaline Electrolysers. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 ♦

Gorbar, M.

Composite Membranes for High Pressure Alkaline Electrolysers. Workshop on Electrolysis and CO₂ recycling for production of green fuels, DTU Risoe Campus, Roskilde, DK, 04-09 thru 11 ♦

Hosoglu, F.

Production of 1-propanol and 1-butanol from the mixture of MeOH and EtOH by Guerbet reaction in the presence of hydrotalcite. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 🍄

Hosoglu, F.

Production of 1-propanol and 1 butanol via the Guerbet reaction using hydrotalcite. 44 th World, Istanbul, TR, 08-11 thru 16 ♦

Hosoglu, F.

Production of heavier alcohols from ethanol and methanol by Guerbet reaction over hydrotalcite, Europa Cat XIth European Congress on Catalysis, Lyon, FR, 09-01 thru 06 ♦

Hosoglu, F.

Hydrogenation of CO₂ Sabanci University, Istanbul, TR, 11-01 🍄 ○

Mauron, P.

Reversible hydrogen absorption of metal intercalated fullerenes. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 ♦

Parcianello, G.

Preceramic polymers filled with highly-aligned platelets. PACRIM 10, San Diego CA, US, 06-02 thru 07 🍄

Pohl, M.

Shape selectivity in Ni@zeolites for renewable synthetic fuels. Swiss Nano-convention 2013. Messe Basel, Basel 05-23 thru 24 ♦

Pohl, M. / Delmelle, R. / Hosoglu, F. / Arroyo, Y. / Erni, R. / Borgschulte, A. / Züttel, A.

Shape selectivity in Ni@zeolites for renewable synthetic fuels, Swiss NanoConvention 2013, Basel 05-22 thru 24 ♦

■ Organisation
♦ Poster

🍄 Lecture
○ invited

Remhof, A.

Controlling the hydrogen release of borohydrides. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 🍀

Remhof, A.

Hydrogen Dynamics in Nanoconfined Lithiumborohydride. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos., Stoss 01-21 thru 25 ♦

Remhof, A.

Lightweight borohydrides for hydrogen storage: novel developments. Henryk Niewodniczanski Institute of Nuclear Physics, Polish Academy of Science, Krakow, PL, 04-23 🍀 ○

Remhof, A.

X-ray diffraction probe energy materials. X-ray topical day at Empa, Empa Akademie, Dübendorf 07-08 🍀 ○

Remhof, A.

Controlling the dehydrogen process in the LiBH₄-Ca(BH₄)₂ eutectic system. Gordon Conference and Seminar, Il Ciocco, IT, 07-12 thru 19 ♦

Remhof, A.

Fundamentals of Hydrogen Storage, Summer School: «Neutron scattering Applications to Hydrogen Storage Materials», Helmholtzzentrum für Materialien und Energie, Berlin, DE, 09-16 thru 18 🍀 ○

Remhof, A.

Hydrides and Neutrons, Summer School: «Neutron scattering Applications to Hydrogen Storage Materials», Helmholtzzentrum für Materialien und Energie, Berlin, DE, 09-16 thru 18 🍀 ○

Remhof, A.

Hydrides, Summer School: «Neutron scattering Applications to Hydrogen Storage Materials», Helmholtzzentrum für Materialien und Energie, Berlin, DE, 09-16 thru 18 🍀 ○

Remhof, A.

Hydrogen – The Future Energy Carrier, Curtin University Department of Imaging & Applied Physics, 2013 Physics seminar series, Perth, AU, 09-25 🍀 ○

Schlupp, M.

Degradation Mechanisms in Solid Oxide Electrolysis Cells – Microstructural Analyses. 2ND Intl. ADEL Workshop on «Hydrogen production system with non-fossil Energy sources: From Components and Process Design to Large Scale Systems», Palais des Congrès, Ajaccio, F, 05-08 thru 10 ♦

Stadie, N.

Thermodynamics of High Pressure Physisorption. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 🍀

Vogt, U.

High Temperature Steam Electrolysis (HTSE): Aging mechanisms and corrosion behaviour of interconnects & coatings. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 🍀

Vogt, U.

Analysis of the corrosion behaviour of steel interconnects and coatings in solid oxide electrolysis cells. 37th Int. Conference on Advanced Ceramics and Composites, Daytona Beach Florida, US, 01-27 thru 02-01 🍀 ○

Vogt, U.

Pt coated porous SiC foams for catalytical hydrogen combustion. 37th Int. Conference on Advanced Ceramics and Composites, Daytona Beach Florida, US, 01-27 thru 02-01 🍀 ○

Vogt, U.

Hydrogen cycle for a self-sufficient accommodation unit (SELF). Messe OLMA ENERGY 2013, St. Gallen, St. Gallen 05-22 thru 24 🍀

Vogt, U.

SELF IGNITING CATALYTIC HYDROGEN BURNER WITH ZERO EMISSION. Messe OLMA ENERGY 2013, St. Gallen, St. Gallen 05-22 thru 24 ♦

Vogt, U.

Membranes Development for Alkaline Water Electrolysis. 4th European PEFC & H₂ Forum, Low temperature Fuel Cells & Hydrogen, Lucerne 07-02 thru 05 🍀

Vogt, U.

Platelet filler reinforced preceramic polymer ceramics for thermal barrier coatings, 8th International Conference on High Temperature Ceramic Matrix Composites, Xi'an, Shaanxi, CN, 09-22 thru 26 🍀 ○

Vogt, U.

Membrane Development for Alkaline Water Electrolysis Verfahrenstechnischer Tag, Bremerhaven, DE, 10-18 🍀 ○

Wu, C.

Research on Hydrogen storage materials and technology in Sichuan University. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 🍀

Yan, Y.

From YH₃ via Y(BH₄)₃ to Y₂(B₁₂H₁₂)₃. 7th Int. Symposium Hydrogen & Energy, Seminarhotel Stoos, Stoss 01-21 thru 25 🍀

Yan, Y.

Decomposition of Yttrium Borohydride via Formation of Y(B₃H₈)₃ as The Main Intermediate. Gordon Conference and Seminar, Il Ciocco, IT, 07-12 thru 19 ♦

■ Organisation
♦ Poster

🍀 Lecture
○ invited

Züttel, A.	Closing the Cycle with Hydrogen", Academy of Sciences of the Czech Republic, Prague, CZ, 03-20 thru 21 🍀 ○
Züttel, A.	What we Learned from History to Master the Future Energy Challenge, MPI für Kohlenforschung, Mülheim, DE, 06-06 🍀 ○
Züttel, A.	Closing the Cycle with Hydrogen", International Congress on Materials and Re-newable Energy, Athens, GR, 07-01 thru 03 🍀 ○
Züttel, A.	HYDROGEN: production, storage, applications and safety, European Campus of Excellence" Schweizerische Studienstiftung, PSI - Villigen 07-12 🍀 ○
Züttel, A.	Hydrogen Sorption Mechanism in Complex Hydrides", Gordon Research Conferences Hydro-gen-Metal Systems, Barga, IT, 07-14 thru 19 ◆
Züttel, A.	Hydrogen Storage: State of the Art and Bottlenecks, European Technical School on Hydrogen and Fuel Cells 2013, Heraklion, Crete, 09-23 thru 27 🍀 ○
Züttel, A.	Closing the Cycle with Hydrogen", Smart Energy Conversion & Storage, Krynica, PL, 10-01 thru 04 🍀 ○
Züttel, A.	The Physical Potentials and Limitations of Hydrogen Storage, HYDROGEN AND FUEL CELL SCIENCE AND ENGINEERING – NATIONAL STATUS, Rome, IT, 10-16 thru 17 🍀 ○
Züttel, A.	Closing the Cycle with Hydrogen, South China University, Guangzhou, CN, 10-23 🍀 ○
Züttel, A.	The Potentials and Limitations of Hydrogen Storage, International Symposium on Nanostructures for Energy Applications (ISNEA), Beijing, CN, 10-24 thru 27 🍀 ○
Züttel, A.	Closing the Cycle with Hydrogen, Sabanci University, Istanbul, TR, 11-01 🍀 ○
Züttel, A.	Closing the Cycle with Hydrogen, Ukrainian National Academy of Science, Kiev, UA, 11-13 🍀 ○
Bach, Ch.	Fuel consumption and emissions investigation with an HCNG powered vehicle, Stuttgart, DE, 10-22 🍀
Liati, A./Theye, Th./Fanning, M./Gebauer, D.	Zirconology versus Petrology: complementary and contrasting metamorphic histories of HP/HT gneisses, 10th International Eclogite Conference, Courmayeur, I, 09-04 thru 07 ◆
Soltic, P.	Halbierung der PW CO2 Emissionen bis 2025 – geht das? Technology Briefing, Empa Akademie, Dübendorf 02-28 🍀
Soltic, P.	Efficient Gas Exchange Valve Actuation, BFE Tagung Verbrennungsforschung Schweiz, Zurich 11-06 🍀 ○
Soltic, P.	Wasserstoff-Methan-Mobilität, 14. Automotive Day, Bern 11-07 🍀 ○
Spiteri, A./Dimopoulos Eggenschwiler, P.	Characterization of sprays of water and urea-water solution from a commercial injector for SCR DeNOx applications, 13. Internationales Stuttgarter Symposium 2013, Automobil- und Motorentechnik, Stuttgart, DE, 02-26 thru 27 🍀
Theye, Th./Liati, A.	P-T Evolution of overprinted HP-HT metamorphic gneiss from the Rhodopes: can zircon provide additional information?, Deutsche Mineralogische Gesellschaft – Jahrestagung, Tübingen, DE, 09-16 thru 20 ◆
Batonneau, Y./Brahmi, R./Cartoixa, B./Farhat, K./Kappenstein, C./Keav, S./Kharchafi, G./Pirault-Roy, L./Saouabé, M./Scharlemann, C.	Green Propulsion: Catalysts for FP7 Project GRASP (2009-2011), 5th European Conference for Aeronautics and Space Sciences (Eucass 2013), Munich, DE, 06-01 thru 05 🍀
Batonneau, Y./Brahmi, R./Cartoixa, B./Farhat, K./Kappenstein, C./Keav, S./Kharchafi, G./Pirault-Roy, L./Saouabé, M./Scharlemann, C.	Green Advanced Space Propulsion – The Importance of Catalysts and Catalysis for FP7 Project GRASP, XIth European Congress on Catalysis (EuropaCat XI), Lyon, FR, 09-01 thru 06 ◆
Eilertsen, J.	On Attrition-Enhanced Nanocomposite Synthesis: InSb Nanoinclusions from In-Filled Skutterudites Institut für Physikalische Chemie der Universität Wien Seminar, Vienna, AU, 01-21 thru 25 🍀 ○
Eilertsen, J.	Rapporteur for the MRS Forum for Next Generation Researchers and the IV World Materials Conference, Strasbourg, FR, 10-11 thru 16 🍀 ○

- Eilertsen, J./Balog, S.**
Small-angle scattering experiments to fine-tune the synthesis of high-efficiency thermoelectric nanocomposites, PSI - Villigen 06-01 thru 04 🍄 ○
- Eilertsen, J./Saucke, G./Trottmann, M./Pokrant, S./Weidenkaff, A.**
Attrition-Enhanced Nanocomposite Synthesis of High-Efficiency Thermoelectrics for Large-Scale Sustainable Energy Conversion, Sorrento, IT, 03-03 thru 08 ◆
- Gałązka, K./Populoh, S./Sagarna, L./Karvonen, L./Xie, W./Duarte, L./Beni, A./Schmutz, P./Hulliger, J./Weidenkaff, A.**
Phase stability and oxidation studies of (Ti,Zr,Hf)NiSn half Heusler compounds, Symposium C: Advanced thermoelectrics: from materials to devices, EMRS spring meeting 2013 Strasbourg, France, Strassburg, FR, 05-27 thru 31 🍄
- Gałązka, K./Populoh, S./Sagarna, L./Karvonen, L./Xie, W./Duarte, L./Beni, A./Schmutz, P./Hulliger, J./Weidenkaff, A.**
Phase stability and oxidation studies of (Ti,Zr,Hf)NiSn half Heusler compounds, 2013 Swiss Workshop on Materials with Novel Electronic Properties, Les Diablerets, Switzerland, Les Diablerets 06-24 thru 28 ◆
- Gałązka, K./Populoh, S./Sagarna, L./Karvonen, L./Xie, W./Duarte, L./Beni, A./Schmutz, P./Hulliger, J./Weidenkaff, A.**
Phase stability and oxidation studies of (Ti,Zr,Hf)NiSn half Heusler compounds, TEP- 2013: Synthesis and Function of Thermoelectric Materials, Empa Akademie, Dübendorf 09-16 thru 20 🍄
- Gałązka, K./Populoh, S./Sagarna, L./Karvonen, L./Xie, W./Duarte, L./Beni, A./Schmutz, P./Hulliger, J./Weidenkaff, A.**
Phase stability and oxidation studies of (Ti,Zr,Hf)NiSn half Heusler compounds, EMPA PhD Students' Symposium, Empa Akademie, Dübendorf 10-23 ◆
- Karvonen, L./Duraki, B./Pokrant, S./Weidenkaff, A.**
Chemical Composition of the $Sr_xCoO_{z+rH_2O}$ Misfit-Layered Cobalt Oxide Determined using TGA-MS, Swiss Thermoanalytical and Calorimetric Society (STK) Annual Meeting 2013, Aarau 06-13 ◆
- Karvonen, L./Populoh, S./Yoon, S./Weidenkaff, A.**
High-Temperature Thermoelectric Properties of Perovskite-Type Cobalt Oxides, International Workshop on Thermoelectric Research & Thermal Management Technology, Tsukuba, JP, 06-28 🍄 ○
- Karvonen, L./Populoh, S./Yoon, S./Weidenkaff, A.**
High-Temperature (300 K < T < 750 K) Thermo-Electric Properties of $SrCoO_{2.50+\delta}$ (-0.2 < δ < 0.5) Perovskite, International Conference on Thermoelectricity (ICT) 2013, Kobe, JP, 06-30 thru 07-04 ◆
- Karvonen, L./Duraki, B./Pokrant, S./Weidenkaff, A.**
Chemical Composition of the $Sr_xCoO_{z+rH_2O}$ Misfit-Layered Cobalt Oxide Determined using TGA-MS, TEP- 2013: Synthesis and Function of Thermoelectric Materials, Empa Akademie, Dübendorf 09-15 thru 19 ◆
- Keav, S./Eyssler, A./Tschudin, J./Panayotis, D./Bach, C./Weidenkaff, A./Matam, S.K.**
Comparison of ceramic foams and honeycombs as substrates for Pt/Al₂O₃ diesel oxidation catalysts, Swiss Chemical Society – 2013 Fall Meeting, Lausanne 09-06 ◆
- Keav, S./Lu, Y./Maegli, A.E./Matam, S.K./Heel, A./Weidenkaff, A./Ferri, D.**
Deactivation of a commercial honeycomb noble metal-based CO oxidation catalyst by Cr-containing species, Swiss Chemical Society – 2013 Fall Meeting, Lausanne 09-06 🍄
- Keav, S./Lu, Y./Matam, S.K./Maegli, A.E./Heel, A./Weidenkaff, A./Ferri, D.**
Cr-induced deactivation of a honeycomb noble metal-based CO oxidation catalyst, Poster + Flash presentation, XIth European Congress on Catalysis (EuropaCat XI), Lyon, FR, 09-01 thru 06 ◆
- Kuc, J./Neumann, M./Armbrüster, M./Ferri, D./Weidenkaff, A./Matam, S.K.**
Investigation of LaCoO₃ based perovskite type oxides for methanol steam reforming: Effect of B site substitution with Pd and/or Zn, Swiss Chemical Society Fall meeting, EPFL, Lausanne 09-06 ◆
- Kuc, J./Neumann, M./Armbrüster, M./Weidenkaff, A./Matam, S.K.**
Investigation of Pd and Zn substituted LaCoO₃ perovskites for steam reforming of methanol, 3rd International symposium of intermetallic compounds in catalysis, Chania, Greece, GR, 06-19 thru 20 🍄
- Kuc, J./Neumann, M./Armbrüster, M./Yoon, S./Maegli, A./Ferri, D./Weidenkaff, A./Matam, S.K.**
Investigation of Pd and Zn substituted LaCoO₃ perovskites for steam reforming of methanol, XI EUROPACAT, Lyon, France, FR, 09-01 thru 06 ◆
- Lu Y./Keav, S./Maegli, A.E./Matam, S.K./Weidenkaff, A./Ferri, D.**
Ageing induced three-way catalytic activity improvement of Pd/YFeO₃, Swiss Chemical Society – 2013 Fall Meeting, Lausanne 09-06 ◆
- Lu, Y./Keav, S./Matam, S.K./Weidenkaff, A./Ferri, D.**
Remarkable three-way catalytic activity improvement of hexagonal Pd/YFeO₃ induced by ageing, XIth European Congress on Catalysis (EuropaCat XI), Lyon, FR, 09-01 thru 06 🍄
- Maegli, A./Pokrant, S./Trottmann, M./Sagarna, L./Weidenkaff, A.**
Perovskite-type LaTiO₂N for PEC water splitting, Strasbourg, FR, 05-27 thru 31 🍄
- Maegli, A./Pokrant, S./Trottmann, M./Weidenkaff, A.**
PEC and photocatalytic activity of perovskite-type LaTiO₂N, Karlsruhe, DE, 05-13 thru 16 ◆
- Marchionni, V./Korsak, O./Newton, M.A./Matam, S.K./Ferri, D./Weidenkaff, A.**
Modulated excitation spectroscopic study of hydrothermally-aged Rh/Al₂O₃ for NO reduction by CO, E-MRS Spring meeting, Strasbourg, France, FR, 05-27 thru 31 🍄

Matam, S. K.	Operando spectroscopic studies of model three-way catalysts to understand the fundamental structure-activity-stability relations, Invited Seminar, Columbia University, New York City, US, 08-19 ♣ ○
Matam, S. K.	COST Action CM0904, TTYR meeting, Brunnihütte, Engelberg 08-28 thru 30 ■
Matam, S.K./ Newton, M.A./ Ferri, D./ Bach, C./ Weidenkaff, A.	Operando spectroscopic studies of model three-way catalysts to understand the fundamental structure-activity-stability relations, Swiss Chemical Society Fall meeting, EPFL, Lausanne 09-06 ◆
Matam, S.K./Bach, C./Ferri, D./ Weidenkaff, A.	The impact of phosphorus on the methane combustion activity of model three-way catalyst Pd/Al ₂ O ₃ studied by operando XANES, 7th International Conference on Environmental Catalysis (ICEC), Lyon, France, FR, 09-2 thru 6 ♣
Matam, S.K./Kondratenko, E.V./Aguirre, M./Rentsch, D./ Ferri, D./Bach, C./Weidenkaff, A.	The influence of aging environment on the structure and NO oxidation activity of Pt/Al ₂ O ₃ DOC, XI EUROPACAT, Lyon, France, FR, 09-01 thru 06 ◆
Matam, S.K./Newton, M.A./Ferri, D./Bach, C./Weidenkaff, A.	Studies on the origin of phosphorous induced chemical aging of model Pd-Al ₂ O ₃ three-way catalyst, E-MRS Spring meeting, Strasbourg, France, FR, 05-27 thru 31 ■ ♣
Matam, S.K./Newton, M.A./Ferri, D./Bach, C./Weidenkaff, A.	The origin of P induced chemical aging of model TWC Pd/Al ₂ O ₃ studied by operando XAS/IR/MS, 23rd North American Catalysis Society meeting, 23rd North American Catalysis Society meeting, Louisville, Kentucky, US, 06-2 thru 7 ◆
Matam, S.K./Newton, M.A./Ferri, D./Bach, C./Weidenkaff, A.	Investigation of «P» induced chemical aging of three-way catalyst Pd-Al ₂ O ₃ by operando spectroscopy, XI EUROPACAT, Lyon, France, FR, 09-01 thru 06 ♣
Pokrant, S./Karvonen, L./Irsen, S./Cheynet, M./Weidenkaff	Edge, St Maxime, FR, 05-26 thru 31 ◆
Pokrant, S./Mägli, A./Trottmann, M./Weidenkaff, A.	4th European PEFC and H ₂ Forum, Luzern 07-02 thru 05 ♣
Populoh, S.	Symposium C: Advanced thermoelectrics: from materials to devices, EMRS spring meeting 2013 Strasbourg, France, Strassburg, FR, 05-27 thru 31 ■
Populoh, S./Gałazka, K./Xie, W./Brunko, O./Weidenkaff, A.	Half-Heusler compounds for thermoelectricity, Joint Annual Meeting of ÖPG, SPG, ÖGAA und SGAA, Linz, Austria, Linz, AT, 03-9 thru 6 ♣
Populoh, S./Weidenkaff, A.	Waste heat recovery by thermoelectricity, 3rd International Conference Thermal Management for EV/HEV 2013, Darmstadt Germany, Darmstadt, DE, 06-24 thru 26 ♣ ○
Sagarna, L./ Maegli, A./ Yoon, S./ Populoh, S./ Shkabko, A/ Pokrant, S./ Rushchanskii, K. Z./ Ležaić M./ Waser R./ Weidenkaff, A.	Partial nitrogen substitution in thermoelectric EuTiO ₃ , Strasbourg, FR, 05-26 thru 31 ◆
Sagarna, L./ Rushchanskii, K. Z. / Maegli, A./ Yoon, S./ Populoh, S./ Shkabko, A/ Pokrant, S./ Ležaić M./ Waser R./ Weidenkaff, A.	Structure and thermoelectric properties of EuTi(O,N) _{3-δ} , Les Diablerets 06- 24 thru 28 ◆
Sagarna, L./Rushchanskii, K. Z./Maegli, A./Yoon, S./Populoh, S./Shkabko, A/Pokrant, S./Ležaić M./Waser R./Weidenkaff, A.	Structure and thermoelectric properties of EuTi(O,N) _{3-δ} , Empa Akademie, Dübendorf 09-16 thru 20 ♣
Saucke, G.	ICT Japan, Kobe, Japan, JP, 08-04 thru 08 ♣
Saucke, G.	TEP-, Empa Akademie, Dübendorf 09-16 thru 18 ■ ♣
Saucke, G./ Thiel, P./ Mogare, K./ Sagarna, L./Vogel-Schäuble, N./ Karvonen, L. /Populoh, S. /Weidenkaff, A.	Development of thermoelectric converters for waste heat recovery based on heavy cation substituted misfit-layered Ca ₃ Co ₄ O ₉ / PhD Symposium, Empa Akademie, Dübendorf 10-23 ♣
Saucke, G./Thiel, P./Rigort, R./Karvonen, L./Mogare, K./Vogel-Schäuble, N./Populoh, S./Weidenkaff, A.	Oxide thermoelectric converters for waste heat recovery designed by applying the compatibility approach, EMRS spring meeting 2013 Strasbourg, France, Strassburg, FR, 05-27 thru 31 ◆
Shkabko, A./Weidenkaff, A.	Surface Deformations as a Necessary Requirement for Resistance Switching of SrTiO ₃ :N, Singapore, SG, 09-22 thru 27 ◆
Shkabko, A./Weidenkaff, A.	Tuning the composition of EuTiO ₃ films, Singapore, SG, 09-22 thru 27 ◆ ♣

Simões, M./Karvonen, L./Maegli, A./Yoon, S./Pokrant, S./Weidenkaff, A.
Structure stability of Li _x HyV308 under water vapour containing atmosphere., PSI - Villigen 04-24 ◆
Simões, M./Karvonen, L./Maegli, A./Yoon, S./Pokrant, S./Weidenkaff, A.
Structure stability of Li _x HyV308 under water vapour containing atmosphere. (EMRS spring meeting), Strasbourg, FR, 05-27 thru 31 ◆
Surace, Y./Simões, M./Eilertsen, J./Pokrant, S./Weidenkaff, A.
Electrochemical intercalation of lithium in a modified Ca ₂ MnO ₄ Ruddlesden-Popper phase: a possible cathode material for Li-ion batteries. (LIBD 2013), Arcachon, FR, 06-16 thru 21 ◆
Thiel, P./Populoh, S./Eilertsen, J./ Rigort, R./ Saucke, G./ Karvonen, L./Brunko, O./ Trottmann, M./ Sagarna, L./ Shkabko, A./ Weidenkaff, A.
High-Temperature Thermoelectric Converters employing Calcium Manganates, Empa Akademie, Dübendorf 09-16 thru 18 ■ ♣
Thiel, P./Populoh, S./Eilertsen, J./ Rigort, R./ Saucke, G./ Karvonen, L./Brunko, O./ Trottmann, M./ Sagarna, L./ Shkabko, A./ Weidenkaff, A.
High Temperature Thermoelectric Generators for efficiency enhancement of SOFC, Empa Akademie, Dübendorf 10-23 ♣
Thiel, P./Populoh, S./Eilertsen, J./ Rigort, R./ Saucke, G./ Karvonen, L./Brunko, O./ Trottmann, M./ Sagarna, L./ Shkabko, A./ Weidenkaff, A.
High Temperature Thermoelectric Conversion employing Calcium Manganates, Noordwijk, NL, 11-18 thru 20 ♣
Weidenkaff, A.
Thermoelectric Oxides and Heusler Phases for Renewable Energy Technologies, 78th Annual Meeting of the Israel Chemical Society, Tel Aviv, IL, 02-12 thru 13 ♣ ○
Weidenkaff, A.
Thermoelectric oxides and Heusler phases, DPG Frühjahrs-Tagung, Regensburg, DE, 03-13 ♣ ○
Weidenkaff, A.
Nanostructured Thermoelectric Oxides and Heusler Phases, MRS Spring Meeting, San Francisco, US, 04-03 ♣ ○
Weidenkaff, A.
Perovskite-type Oxynitrides for Photoelectrochemical Watersplitting Cells, International Conference on Materials for Energy, EnMat II, Karlsruhe, DE, 05-12 thru 16 ♣ ○
Weidenkaff, A.
High temperature thermoelectric conversion using complex oxides and Heusler compounds, International Conference on Thermoelectricity ICT, Kobe, JP, 07-04 ♣ ○
Weidenkaff, A.
Synthesis of thermoelectric oxides and Heusler compounds, International Workshop on Thermoelectrics, Awaji, JP, 07-05 ♣ ○
Weidenkaff, A.
Perovskite-type and Heusler based materials for alternative energy technologies, ECSSC14, Bordeaux, FR, 07-07 thru 10 ♣ ○
Weidenkaff, A./Looser, S.
E-MRS spring meeting, Strasbourg, FR, 05-27 thru 31 ■
Weidenkaff, A./Populoh, S./Xie, W./Thiel, P./Sagarna, L./Shkabko, A./Karvonen, L./Saucke, G.
Novel thermoelectric materials, Physikalisches Kolloquium, Augsburg, DE, 10-14 ♣ ○
Weidenkaff, A./Populoh, S./Xie, W./Thiel, P./Sagarna, L./Shkabko, A./Karvonen, L./Saucke, G.
Synthesis of thermoelectric oxides and Heusler compounds, BATE, Oslo, NO, 10-16 ♣ ○
Weidenkaff, A./Populoh, S./Xie, W./Thiel, P./Sagarna, L./Shkabko, A./Karvonen, L./Saucke, G.
Synthesis of nanostructured ceramics for thermoelectric converters, CICC 8, Chongqing, CN, 11-4 thru 8 ■ ♣ ○
Weidenkaff, A./Shkabko, A./Galatzka, K./Maegli, A./Karvonen, L./Kumar, S./Populoh, S.
Thermochemistry of Perovskite-type and Heusler based materials for alternative energy technologies CEEC-TAC2, Vilnius, LT, 08-27 thru 30 ♣ ○
Weidenkaff, Anke/Populoh/Xie/Thiel/Sagarna/Shkabko/Karvonen/Saucke
High T thermoelectric, Future Technology Day, Alstom, Baden 09-19 ♣ ○
Xie, W.
TEP-: Synthesis and Function of Thermoelectric Materials, Empa Akademie, Dübendorf 09-16 thru 18 ■
Xie, W./Looser, S./Weidenkaff, A.
TEP-, Empa Akademie, Dübendorf 09-16 thru 19 ■
Xie, W./Populoh, S./Galatzka, K./Sagarna, L./ Tritt, T./Weidenkaff, A.
Significant ZT Enhancement in half-Heusler Nanocomposites via a Synergistic 'High Mobility Electron Injection, Energy filtering and Boundary Scattering' Approach, EMRS-2013 Spring meeting, Strassburg, FR, 05-27 thru 30 ♣
Xie, W./Populoh, S./Galatzka, K./Sagarna, L./Duarte, L./ Tritt, T./Weidenkaff, A.
Significant ZT Enhancement in half-Heusler Nanocomposites via a Synergistic 'High Mobility Electron Injection, Energy filtering and Boundary Scattering' Approach, MRS-2013 Spring meeting, San Francisco, US, 03-31 thru 04-06 ♣

Yoon, S./Maegli, A.E./Karvonen, L./Matam, S.K./Shkabko, A./Riegg, S./ Großmann, T./Ebbinghaus, S.G./Pokrant, S./Weidenkaff, A.

Bandgap Tuning of SrTi(N,O,F)3 by Anionic-Lattice Variation / European Materials Research Society (EMRS), Strasbourg, FR, 05-27 thru 31 ◆

Yuri S./Simões, M./Eilertsen, J./Pokrant, S./Weidenkaff, A.

Synthesis and characterization of modified n=1 Ruddlesden-Popper manganates Ca2MnO4 for battery applications/ E-MRS Spring Meeting 2013, Strasbourg, FR, 05-27 thru 31 ◆

Bornhöft, N./Nowack, B./Hilty, L.

Material Flow Modelling for Environmental Exposure Assessment – A Critical Review of Four Approaches Using the Comparative Implementation of an Idealized Example, 27th EnviroInfo Conference, Hamburg, DE, 09-02 thru 04 ♣

Bornhöft, N./Rasathurai, S./Hilty, L.

Simulating the Smart Grid Integration of a Modern Office Building Using the Example of IBM-Switzerland, ICT4S 2013, ETH Zürich 02-14 thru 16 ◆

Bornhöft, N./Rasathurai, S./Hilty, L.

Simulation der Smart Grid Integration eines modernen Bürogebäudes am Beispiel von IBM-Schweiz, 5. BUIS-Tage, Oldenburg, DE, 04-24 thru 26 ◆ ♣

Du, X.

Criticality of the rare metals: A multi-scale study, International Society for Industrial Ecology Conference 2013, Ulsan, KR, 06-25 thru 28 ♣

Du, X.

Assessing scarce metals criticalities on the corporate level: Insights from three case studies in Switzerland, World Resources Forum, Davos 10-06 thru 09 ♣

Hilty, L.

Neue Ergebnisse zum Stromverbrauch des Internet und ihre Konsequenzen für den IKT-Einsatz für Nachhaltigkeit, Ringvorlesung «Informatik zur Energieeffizienz», Universität Oldenburg, DE, 01-14 ♣ ○

Hilty, L.

ICT4S, First International Conference ICT for Sustainability, ETH Zürich 02-13 thru 16 ■

Hilty, L.

Ethische Herausforderungen für die Informatik, Fachhochschule Nordwestschweiz, Brugg-Windisch 04-23 ♣ ○

Hilty, L.

Wie grün ist IT? Informatik als Teil der Ursache und Teil der Lösung von Umweltproblemen, Eröffnungsreferat zur Fachtagung «Energiewende nicht ohne Green IT» des ElectroSuisse, Fachverband für Elektro-, Energie- und Informationstechnik. Umwelt-Arena, Spreitenbach 06-19 ♣ ○

Hilty, L.

Zielkonflikte zwischen Privacy und Nachhaltigkeit, Öffentliche Ringvorlesung «Privacy by Design», Technische Universität Darmstadt, DE, 07-03 ♣ ○

Hilty, L.

Smart Solutions, Energy Efficiency, and Sustainability – Updating the Research Agenda for Environmental Informatics, EnviroInfo 2013, 27th Conference on Environmental Informatics, Hamburg, DE, 09-02 thru 04 ♣ ○

Hilty, L.

ICT and Sustainability, Foro TEC, Conference on invitation by the Ministry of ICT of Colombia, Bogota, CO, 11-01 ♣ ○

Hilty, L.

Repères géographiques dans le monde cybermonde – le défi des technologies de localisation pour une société ouverte, 5 à 7 de la géoinformation, Tagung der Schweizerischen Organisation für Geoinformation, Fribourg 11-25 ♣ ○

Hilty, L.

Methodische Herausforderungen und Handlungsempfehlungen, Jahrestagung des Wissenschaftsforums Green IT zum Thema «Grüne Software: Potenziale zur Steigerung der Ressourceneffizienz in der IT», Berlin, DE, 12-11 ♣ ○

Hilty, L./Bornhöft, N

Smart Grid Integration of an Existing Office Building: Modelling and Simulation of Adaptation Strategies, 27th EnviroInfo Conference, Hamburg, DE, 09-2 thru 4 ♣

Hincapié I./Som C.

Chancen und Risiken der Nanopartikel – Ergebnisse einer Umfrage in der Industrie / Technology Briefing – Nanomaterialien in Fassadenbeschichtungen, Zurich 11-14 ♣ ○

Hincapié, I.

FP7 NanoHouse project Cycle of Nanoparticle-based products used in house coating /CEPE Nano working Group Meeting (Skype Conference), Brussel, BE, 04-09 ♣ ○

Hincapié, I./Project Partners

NanoHouse Project-Exhibition / EuroNanoForum 2013, Dublin, IE, 06-18 thru 20 ◆

Hincapié, I./Som, C.

Risks and benefits of nanomaterials in façade coatings – Results from the NanoHouse project / Nanotechnology and the Coatings Industry, Nottingham, GB, 10-08 ♣ ○

Hischer, R.	LCA of façade coatings containing nanoparticles: NanoHouse case studies, Workshop «Health and Environmental Impact of nano-enabled Products along the Life Cycle», Barcelona, ES, 05-07 thru 08 🌿 ○
Hischer, R.	Life Cycle Analysis of Façade Coating Systems Containing manufactured Nanomaterials, LCM 2013, Göteborg, SE, 08-25 thru 28 🌿
Hischer, R.	Life Cycle Assessment of Engineered Nanomaterials, NanotechItaly, Venice, IT, 11-27 thru 29 🌿 ○
Hischer, R./Keller, M./Lisibach, R./Hilty, L.M.	mat – an ICT application to support a more sustainable use of print products and ICT devices, ICT4S, ETH Zürich 02-14 thru 16 🌿
Lohmann, W.	GreenHackathon, Zurich 02-12 ■
Lohmann, W.	ICT4S 2013, ETH Zürich 02-13 thru 16 ■
Lohmann, W.	SEGC – Software Engineering Aspects of Green Computing, SAC 2013 – The 28th Symposium On Applied Computing, Coimbra, PT, 03-18 thru 22 ■
Lohmann, W.	Was ist «grüne Software»? Einführung in Potenziale der Ressourceneinsparung durch Software, Wissenschaftsforum Green IT, Berlin, DE, 12-11 🌿 ○
Mitrano, D.	Tracking ENP transformations using spICP-MS, Eawag, Dübendorf 05-3 🌿 ○
Mitrano, D.	Tracking ENP transformations using spICP-MS, University Lorraine, Metz, FR, 06-21 🌿 ○
Mitrano, D.	Determining Ag ENP Stability in Environmental Systems using spICP-MS, University Goteburg, SE, 06-26 🌿 ○
Mitrano, D.	Nanometrology Techniques for the Characterization of Nanomaterials in Complex Systems, University of Vienna, AT, 10-14 🌿 ○
Mitrano, D./Ranville, J./Higgins, C.	Tracking transformations of silver nanoparticles using single particle (sp)ICP-MS, SETAC Europe, Glasgow, GB, 5-12 thru 16 ◆
Nowack, B.	Methods for modeling flows, concentrations and risks of ENM in soils and sediments. Fate and Ecotoxicity of Nanoparticles in the Environment – current status and the way forward, 7th SETAC Europe Special Science Symposium, Brussels, BE, 02-10 thru 03 🌿 ○
Nowack, B.	Risk quantification of engineered nanomaterials based on probabilistic exposure and effect modeling, 8th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, Aix-en-Provence, FR, 03-07 thru 05 🌿 ○
Nowack, B.	«Modellierung von Freisetzung, Umweltverhalten und Umwelteffekten von Nanomaterialien», 6. NanoTrust-Tagung Toxikologie – Regulierung – Öffentlichkeit, Wien, AT, 04-06 🌿 ○
Nowack, B.	Assessing Environmental Release and Risks of Nanomaterials, 12th International Conference on the Biogeochemistry of Trace Elements (ICOBTE), Athens, GA, US, 06-16 thru 20 🌿 ○
Nowack, B.	Assessing environmental release and risks of nanomaterials, 5th World Materials Research Institutes Forum, Empa Akademie, Dübendorf 13-05 🌿 ○
Piccinno, F./ Hischer, R./Saba, A./Seeger, S./Som, C.	A decision support method for new materials during early innovation phase to find sustainable applications on the example of cellulose nanofibre reinforced composite/6th International Conference on Life Cycle Management LCM 2013, Gothenburg, SE, 08-25 thru 28 🌿
Piccinno, F./ Hischer, R./Saba, A./Seeger, S./Som, C.	Cellulose Nanofibres Towards Sustainable Products/PhD STUDENTS' SYMPOSIUM 2013, Empa Akademie, Dübendorf 10-23 🌿
Piccinno, F./ Hischer, R./Saba, A./Seeger, S./Som, C.	Identifying sustainable applications for new materials – the case of cellulose nanofibres/SETAC Europe 19th LCA Case Study Symposium, Rome, IT, 11-11 thru 13 ◆
Reinhard, J.	India: Regionalization in Life Cycle Inventory Modeling, Invited Talk, Department of Energy, Tezpur University, Tezpur, IN, 10-06 🌿 ○
Reinhard, J.	Introduction to Life Cycle Assessment, Invited Talk, TechXetra, Tezpur University, Tezpur, IN, 10-26 🌿 ○

Restrepo, E. / Restrepo, E., Du, X.

Scarce metals in passenger vehicles: a comparison of results from recent studies / WRF 2013, Davos 10-06 thru 09 🍄

Restrepo, E. / Wäger, P., Widmer, R., Restrepo, E.

Recovery of Critical Metals from End of Life Electronic Equipment: Current state and action options / LCM 2013, Gothenburg, SE, 08-25 thru 28 🍄

Restrepo, E. / Wäger, P., Widmer, R., Restrepo, E., Du, X.

Recovery of scarce metals from automobile electronics in Switzerland / WRF 2013, Davos 10-06 thru 09 🍄

Schluep, M.

E-waste recycling in Europe and Africa Lessons learned for ESM in developing countries, The 9th NIES Workshop on e-Waste, Bangkok, TH, 01-30 🍄 ○

Schluep, M.

Key messages related to e-waste management, E-Waste Handling and Recycling – Ecological Challenge & Business Opportunity, 3rd SWEEP-Net Regional Forum on Integrated SWM, Cairo, EG, 05-15 🍄 ○

Schluep, M.

Primary and secondary metals mining in developing countries – exploring possible synergies for the case of e-waste, World Resources Forum 2013, Davos 10-06 🍄

Schluep, M.

Finding Neo[dymium] Aktuelle Herausforderungen der Rohstoffrückgewinnung, WASTE MANAGEMENT TÜRKEI, POLEN & UK Switzerland Global Enterprise, Zurich 10-30 🍄 ○

Schluep, M. / Widmer, R.

Sustainable Recycling Industries Advance raw materials stewardship in developing countries, Promoting green industries in developing UNIDO side event @ BC-COP11 countries, Geneva 05-02 🍄 ○

Som, C.

Auswirkungen der Nanotechnik auf den Rohstoff- und Energiebedarf, Fachgespräch UBA, Berlin, DE, 02-05 🍄 ○

Som, C.

Nanomaterialien in Farben- Stand der Forschung zu nachhaltigen Innovation in Fassadenbeschichtungen, Zurich 07-17 🍄 ○

Som, C.

TB NanoHouse, Empa Akademie, Dübendorf 11-14 ■

Wäger, P.

Scarce metals as raw materials for ICTs: Do we care enough? (Keynote speech), ICT4S, ETH Zürich 02-14 thru 16 🍄 ○

Wäger, P.

Life Cycle Analysis of the recycling of plastics from WEEE, Cleantec City, Bern 03-19 thru 21 🍄 ○

Wäger, P.

The role of SSH in research on a more sustainable use of natural resources, Preliminary results of an online survey, WRF 2013, Davos 10-05 thru 09 🍄 ○

Wäger, P./Hischier, R.

Life Cycle Analysis of the recycling of plastics from WEEE, LCM 2013, Göteborg, S, 08-25 thru 28 ◆