

Particle Technology Seminar HS09

Fridays 14-17h; ML F40

- Sept 25 "Improved sensory characteristics and solubility of nanostructured Fe₂O₃-based food fortificants"
Jesper Knijnenburg, PTL, ETHZ
- Oct 2 "Structure of flame-made vanadia/silica and vanadia/alumina and catalytic behavior in the oxidative dehydrogenation of propane"
Björn Schimmöller, PTL, ETHZ
- Oct 9 "Preferential Deposition of Noble Metals Pt and Pd in K/Al₂O₃ NOx Storage-Reduction Catalysts"
Robert Büchel, PTL, ETHZ
"In-situ Carbon Coating of Flame Made Nano-particles for Batteries"
Oliver Waser, PTL, ETHZ
- Oct 12 Mon**
ML E13 @12am "Copper and ZnS synthesis by flame and hot-wall spray pyrolysis"
Prof. Mark T. Swihart Integrated Nanostructured Systems, Uni. at Buffalo, USA
- Oct 15 Thur**
ML F36 @ 5.15pm "New Chemical Products"
Prof. Ed Cussler, Chemical Engineering, University of Minnesota, USA
- Oct 16**
ML E13 @ 11am "Membrane Dreams"
Prof. Ed Cussler, Chemical Engineering, University of Minnesota, USA
- Oct 19 Mon**
ML E13 @ 10am "Fragmentation and Restructuring of Soft-Agglomerates under Shear"
Max Eggersdorfer, PTL, ETHZ
- Nov 6 Mon**
CLA J1 @12am "Design of gas-phase coating of nanoparticles"
Beat Büscher, PTL, ETHZ
"Potassium in flame made Pt/K/Al₂O₃ NOx storage-reduction catalysts"
Robert Büchel, PTL, ETHZ
- Nov 6 "Fragmentation and Restructuring of Soft-Agglomerates under Shear"
Max Eggersdorfer, PTL, ETHZ
- Nov 20 "Co-synthesis of LiMn₂O₄ and Carbon Electrodes for High Power Batteries"
Robert Büchel, PTL, ETHZ
"Universal Correlation and Mechanism for the Antibacterial Activity of Silver Nanoparticles"
Georgios Sotiriou, PTL, ETHZ

Nov 26 Thur CLA E4 @4.15pm	"Investigation of cross-sensitivity to humidity of SnO ₂ based gas sensors by first-principles calculations" <i>Konstanze Hahn, PTL, ETHZ</i> "Universal Correlation and Mechanism for the Antibacterial Activity of Silver Nanoparticles" <i>Georgios Sotiriou, PTL, ETHZ</i>
Dec 11	"Atmospheric and laboratory measurements of aerosol properties related to cloud-microphysical processes" <i>Dr. Berko Sierau, Inst. for Atmospheric & Climate Science, ETHZ</i>
Dec 18	"Detailed Langevin simulations of agglomerate dynamics" <i>Max Eggersdorfer, PTL, ETHZ</i>
Jan 8 @1.15pm	"Prediction of pressure drop evolution during filtration of polydisperse Nanoparticles" <i>Dominik Werz, MSc Student of ETHZ</i>
Jan 15	"The effect of sulfur on NSR catalysts" <i>Robert Büchel, PTL, ETHZ</i> "Modelling Titania Synthesis in Diffusion Flames" <i>Arto Gröhn, PTL, ETHZ</i>
Jan 22	"Vibrational Effects on Particle Sedimentation in Complex Fluids" <i>Dr. Patrick Spicer, Procter & Gamble, USA</i>
Jan 29 ML E13	"The effect of flame spray configuration on synthesis of inhomogeneous nanoparticles" <i>Thomas Rudin, PTL, ETHZ</i>
Feb 5	"Nanoparticle (1-3nm) synthesis and characterization in microplasmas" <i>Prof. Konstantinos P. Giapis from CALTECH, USA</i>
Feb 11 Thur ML E13 @ 3pm	"Advanced Instrumentation for Nanoparticle Exposure and Dose Determination for Risk Assessment" <i>Prof. Dr.-Ing. Heinz Fijßan, Nanostrukturtechnik, Universität Duisburg-Essen</i>