

Particle Technology Seminar HSo7/o8

Fridays 14-17h; ML F40

- Aug. 17 Direct deposition of ceramic films with applications
ML E13 *Tobias Elmøe, DTU Lyngby, Denmark*
- Aug. 24** Nanometric Bioactive Glasses for Root Canal Treatments
ML E13 *Miguel Gubler, ETHZ, BS Thesis presentation*
- Aug. 31 Layer Micro-Patterning by Direct Nanoparticle Deposition
ML E13 *Antonio Tricoli, PTL, ETHZ*
- Sept. 5 Wed Catalytic conversion of CH₄ higher alkanes in O₂ free atmosphere
ML E13 @ 3pm *Dr. Neil Osterwalder, FML, ETHZ*
- Sept. 7 Materials Synthesis: Contributions and Challenges to Aerosol Science
Prof. Dr. Sotiris E. Pratsinis, PTL, ETHZ
- Sept. 19 Gelation of Particulate Systems
@ 4:15pm *Dr. Alex Lushnikov, University of Helsinki, Finland*
- Sept. 21 Gas-phase surface modification of flame-made nanoparticles
ML E13 *Nada Bjelobrk, ETHZ, MS planning presentation*
- Sep. 28 FSP and Direct deposition of phosphor films
Roman Kubrin, TU Hamburg-Harburg, Germany
- Oct. 1 From “Molecular-Scale” to “Macro-Scale” in Colloidal Dispersions
ML E13 @10am *Prof. Ko Higashitani, Dept. of Chemical Engineering, Kyoto University, Japan*
- Oct. 5 Characterizing the SiO₂ coating quality on TiO₂ nanoparticles
Alexandra Teleki, PTL, ETHZ
Selective gas sensors based on WO₃ and MoO₃: from mechanism to device

Lisheng Wang, State University of New York at Stony Brook, USA

- Oct. 16** Fabrication of inorganic fiber and nonwoven cloth using electrospinning
ML F36 @4:15pm *Prof. Kenji Iimura, Dept. of Chemical Engineering, Hyogo University, Japan*
- Oct. 19 FSP made particles collected by a low pressure impactor for sensors
Dr. Helmi Keskinen, Tampere University of Technology, Finland
- Oct. 26 Nanostructures for electronic applications and biosensors
Prof. Efthimios Kaxiras, Harvard University, Cambridge, USA
- Nov. 2 Flame-made coated particles
Alexandra Teleki, PTL, ETHZ
Particle Agglomeration: A Molecular dynamics study
Max Eggersdorfer, ETHZ
- Nov. 9 Light-metal nanocomposite materials for mobile hydrogen storage: a synergistic approach involving computation and experiment
Prof. Sean C. Smith, The University of Queensland, Australia
- Nov. 16 Nanocomposites for Chemosensors and Tissue Engineering
Prof. Perena Gouma, State University of New York, SUNY at Stony Brook, USA
- Nov. 23 Process Technology for Successful Products
Prof. Dr. Herbert Riemenschneider, Director Degussa, Mobile, AL, USA
- Nov. 30 From FSP to Flame Assisted Spray Pyrolysis with Yttria stabilized Zirconia
Thomas Rudin, PTL, ETHZ
- Dec. 7 "Organic dispersions of coated particles and two coating setups for in-situ particle coating by FSP"
Nada Bjelobrk, ETHZ
"Modelling of particle deposition in porous structures"
Tobias Elmøe, DTU Lyngby Denmark
Laboratory course development
Prof. Sotiris E. Pratsinis, PTL; ETHZ

- Dec. 14 Nano-Iron and Nano-Zinc Compounds: The Next Generation of Food Fortificants
Florentine Hilty, Inst. für Lebensmittel- und Ernährungswissenschaften., ETHZ
- Dec. 21 Electrochemistry of LiMn₂O₄ nanoparticles produced by FSP
Timothy Patey, PSI/ETHZ
Simulation of Agglomerate Formation and Fragmentation
Max Eggersdorfer, ETHZ