

Particle Technology Seminar SSo3

Fridays 14-17; ML D13, Coordinator: Dr. K. Wegner (wegner@ptl.mavt.ethz.ch)

- April 4 Solar synthesis of ZnO nanoparticles
Reto Müller, PSI, Villingen
- April 11 Nanoparticle dynamics in plasma aerosol reactors
Dr. D. J. Kim, PTL, ETHZ
- April 16 Multi-jet electrosprays for thin film deposition
Wed., ML E13 Oliver Wilhelm, PTL, ETHZ
- April 25 The nanostructure in functional and structural ceramics
15:15h, ML E13 Eva Jud, Laboratory of Non-metallic Inorganic Materials, ETHZ
- May 5 Sol-gel synthesis of zirconia nanoparticles
Mon., ML E13 Crina Silvia Suciu, Chem. Eng. Dept. Univ. Cluj-Napoca, Cluj, Romania
- May 9 Particle dynamics during FSP
Roger Müller, PTL, ETHZ
- May 16 Nanopowders and Thin Films via CCVD and NanoSpray™ Processing
ML F39 Dr. Andrew T. Hunt, CEO/CTO, MicroCoating Technologies, Atlanta, GA, USA
- May 23 Flame-nozzle coating of silica and titania nanoparticles
Dr. Karsten Wegner, PTL, ETHZ
- May 30 **14:00h:** Aggregation Kinetics and Aggregate Structure in Colloidal Systems
ML E13 Marco Lattuada, Inst. for Chemical- and Bioengineering, ETHZ.
and
15:00: Nanotechnology in the Chemical Industry
Dr. Qian Qiu Zhao, DuPont Fellow, DuPont Central R&D
- June 6 Flame Synthesis of Ceria-Zirconia Catalysts
Heiko Schulz, Diplomarbeit, Univ. Karlsruhe and PTL-ETHZ
and
Modeling and Validation of Cone-jet and Multijet Electrosprays
Oliver Wilhelm, PTL, ETHZ
- June 13 Nanoparticle synthesis by wet grinding
Tobias Weber, Diplomarbeit, PTL, ETHZ
- June 20 „Electrospray dynamics“; Michael Stutz, Semesterarbeit, PTL, ETHZ
ML E13 „Encapsulation of Flavors in Sol-Gel made Silica Particles Using O/W/O
15:00h Multiple Emulsions“; Marc Stipsicz, Semesterarbeit, PtL, ETHZ
„Encapsulation of Flavors in Sol-Gel made Titania Particles“; Yannick Loosli, Semesterarbeit, PTL, ETHZ

June 27 HCI D2 14:30h	Reaction networks in catalytic oxidation of organic compounds: Utility and limitations Prof. Dr. Hans-Günther Lintz, Institut für Chemische Verfahrenstechnik, Universität (TH) Karlsruhe Joint seminar with the group of Prof. Baiker Institute for Chemical and Bioengineering, ETH Hönggerberg
July 4 15:15h	Hard or soft agglomerate dynamics Dr. Stavros Tsantilis, PTL, ETHZ
July 11	Flavor retention and restricted diffusion in silica sol-gel particles Ms. Susanne Veith, PTL, ETHZ and Coagulation and Fragmentation Dynamics Dr. Georg Barthelmes, PTL, ETHZ
July 28 ML E13	Nanoencapsulation of individual ferromagnetic ultrafine particles with a crystalline alumina film Prof. A. Weimer, University of Colorado, Boulder, CO, USA.

For possible last minute changes please contact the seminar coordinator