

Particle Technology Seminar SSo7

Fridays 14-17h; ML F40

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| March 23 | Modeling of In-situ Particle Coating at High Temperature
<i>Beat Büsser, ETHZ, MS Thesis presentation</i> |
| March 30 | Functionalizing Fine Particles by Atomic Layer Deposition
<i>Prof. Alan W. Weimer, University of Colorado, Boulder, CO, USA</i> |
| April 4 Wed
ML H43 @ 2pm | Synthesis and modeling of micro- and nano- particles by spray pyrolysis
<i>Dr. Morteza Eslamian, PTL, ETHZ</i> |
| April 10 Tue
ML E13 @ 4pm | Simulation of behavior of aggregates in flows
<i>Prof. Kenji Iimura, University of Hyogo, Japan</i> |
| April 17 Tue
ML E13 @ 3pm | Zinc Aerosol Hydrolysis for H ₂ Production: High Quench Rate Reactor
<i>Nic Piatkowski, ETHZ, MS Thesis presentation</i> |
| April 20 | Oxide nanoparticles for lithium-ion batteries
<i>Timothy Patey, PSI Villigen</i> |
| April 27 | Porous ceramic films by direct deposition: Structure and adhesion
<i>Tobias Elmøe, DTU Lyngby, Denmark</i> |
| May 3 Thu
ML E13 @ 3pm | Oxides synthesis in hybrid burner
<i>Carla Bellomunno, Consiglio Nazionale delle Ricerche, Milano, Italy</i> |
| May 11 | Nanoscale Gold-Cerium Oxide Catalysts for Fuel Cell Applications
<i>Prof. Maria Flytzani-Stephanopoulos, Tufts Univ., Boston, MA, USA</i> |
| May 29 Tue
ML E13 @ 11am | Combustion particles – from the environmental and the innovative side
<i>Prof. Hans Livbjerg, DTU Lyngby, Denmark</i> |
| June 5 Tue
ML E13 @ 1:15pm | Thermal reactivity of butyl-TPPT
<i>Nada Bjelobrk, ETHZ, MS Research presentation</i> |
| June 8 | Promoters of NO _x storage reduction by flame made catalysts
<i>Michelle Bolla, ETHZ, BS Thesis presentation</i>
Cross - Sensitivity to Humidity of SnO ₂ - TiO ₂ based gas sensors
<i>Marco Righettoni, ETHZ, BS Thesis presentation</i> |
| June 11 Mon
ML E13 @ 10am | Computational Methods: A search engine for catalysts
<i>Prof. Manos Mavrikakis, University of Wisconsin-Madison, WI, USA</i> |

June 15	SiO ₂ /silicone rubber nanocomposites <i>Adrian Camenzind, PTL, ETHZ</i>
June 22	Exposure Levels at Research Laboratories <i>Evangelia Demou, Inst. Environmental Engineering, ETHZ</i> Plasma Synthesis of Nanoparticles <i>Nathalie Herlin-Boime, CEA Saclay, France</i>
June 29 ML E13	Amorphous vanadia at high monolayer coverage of V ₂ O ₅ /TiO ₂ catalysts: tailoring partial oxidation catalysts via flame spray pyrolysis <i>Björn Schimmöller, PTL, ETHZ</i> Flame synthesis of controlled structure allomerates <i>Carla Bellomunno, Consiglio Nazionale delle Ricerche, Milano, Italy</i>
July 6 ML J34.3	Influence of remote control in Pt/Ba/Al ₂ O ₃ NO _x storage-reduction catalysts <i>Robert Büchel, PTL ETHZ</i> Characteristics of Burning and Non-Burning Coaxial Air-Assist Sprays and the Effect of Group Combustion on the Morphology of Flame Synthesized Particles <i>Dr. Morteza Eslamian, PTL, ETHZ</i>
July 13 ML J34.3	Transparent Sensors <i>Antonio Tricoli, PTL ETHZ</i>
July 20 CLA J1 @ 11:30am	Why has Doping been so difficult in Semiconductor Nanocrystals? <i>Prof. David Norris, Chem. & Matl. Eng. Dept., University of Minnesota, USA</i>
July 23 Mon ML J34.3	FSP-materials in Solid Oxide Fuel Cells <i>Thomas Rudin, PTL, ETHZ</i> Design of high temperature, in situ coating of aerosols: efficiency & texture <i>Beat Büsser, PTL, ETHZ,</i>