

## Particle Technology Seminar SSo4

Fridays 14-17h; ML F40, Coordinator: Dr. S. Tsantilis (tsantilis@ptl.mavt.ethz.ch)

- April 2 Dynamics of FSP made particles  
Martin Heine, PTL, ETHZ
- April 7** Oxide-doped SiO<sub>2</sub>: Designed Particles for Dental Fillers  
**Wednesday** Heiko Schulz, PTL, ETHZ
- April 20 Electrostatic Spray Deposition (ESD) of calcium phosphate coatings for  
ML 13 biomedical purposes  
1:30 pm Sander Leeuwenburgh, Univ. of Nijmegen, Netherlands
- April 23 Morphology of YSZ Made in Spray Flames at High Production Rates  
Rainer Jossen, PTL, ETHZ
- April 30 Droplets to Particles – Spray Pyrolysis in Materials Synthesis  
PD Dr. Lutz Mädler, PTL, ETHZ
- May 7 Investigations on Au/Ag Flame-made Catalysts  
**15:15h** Stefan Hannemann, LTC (Prof. Baiker), ETHZ
- May 10 Modeling Flocculation of Colloidal Suspensions by Polymer Bridging  
**10am D13** Dr. Venkataramana Runkana, Tata RD&DC, Hadaspar Ind. Estate, Pune, India
- May 27 Particle Dynamics through Molecular Dynamics  
**10:30 E13** Dr. Stavros Tsantilis, PTL, ETHZ
- June 4 Grain Growth in Nanocrystalline Gd-Doped Ceria Electrolytes  
**15:15h** Jennifer Rupp, ETH Ceramics Group (Prof. Gauckler), ETHZ
- June 11 Crystallization and Phase Transformation Behaviors of  $\gamma$ -Alumina Prepared by  
the Thermal Decomposition of Aluminium isopropoxide in Organic Solvents  
Dr. Okorn Mekasuwandumrong, Silpakorn University, Thailand, and  
Nanoparticles as Polymer Fillers  
Semesterarbeit Nicolas Bally, PTL, ETHZ
- June 18 Shape and Property Control of Nanoparticles  
Dr. Murray Height, PTL, ETHZ, and  
Flame-made catalysts for catalytic combustion  
Reto Strobel, PTL, ETHZ
- July 2 Solar Hydrogen Production  
Semesterarbeit Tom Melchior, ETHZ, and  
Gelation and Self-Preservation during Turbulence-Induced Coagulation  
Frank Ernst, PTL, ETHZ