

Particle Technology Seminar SS06

Fridays 2.15 to 5 pm; ML F40,

Coordinator: B. Schimmöller, schimmoeller@ptl.mavt.ethz.ch

March 31	<i>Carbon-embedded or -supported Pt Nanoparticles Made in Flames</i> Frank Ernst
April 7	<i>Additives on physico-chemical properties of o/w emulsions</i> Dong Li, TU Munich / National University of Singapore <i>Transition from Dilute to Concentrated Conditions</i> Martin Heine
April 13	<i>Titania/Molybdenum trioxide by flame spray pyrolysis</i> Beat Büsser, planning, MS project <i>Thermal and Mechanical Stability of nano-structured Layers</i> Antonio Tricoli
April 18	<i>Particle growth in SiO₂ laden diffusion flames and FSP-made Y₂O₃:Eu³⁺</i> Adrian Camenzind
May 5	<i>Primary and Agglomerate Particle Dynamics in Flames</i> Beat Büsser, planning Semester Project <i>Sensitivity and Selectivity of Flame-made TiO₂-Based Gas Sensors</i> Nada Bjelobrk, planning Bachelor Project
May 12	<i>Effect of Particle Volume Fraction on Brownian Coagulation</i> Max Eggersdorfer, planning Bachelor Project <i>Novel NO_x-storage reduction catalysts made in flames</i> Stefan Walther, planning Bachelor Project
May 19	<i>Characterization of droplet doped stagnant counter-flow flames</i> Michael Breu, planning Semester Project <i>Dispersion and Characterization of flame-made oxides based on Silica</i> Thomas Rudin, Diploma Project <i>The effects of mixing on particle growth and polydispersity</i> Prof. Sean Garrick, University of Minnesota
June 2	<i>Wet synthesis of organic-inorganic nanocomposite particles</i> Alexandros Lamprou, Diploma Thesis, Aristotle University of Thessaloniki <i>Foam catalysts: Influence of vanadia content (on TiO₂) and foam material</i> Roman Tschenschner, planning Diploma Project, TU Lyngby -ETH Zurich <i>Hot thermal plasma produced cobalt doped titania</i> Robert Büchel, Diploma Project
June 9	<i>Synthesis of nanoparticles of non-equilibrium chemical commotion through thermal plasma processing</i> Dr. T. Ishigaki, National Institute for Materials Science, Japan
June 15	<i>Synthesis of Complex Nanoparticles made by Flame Spray Pyrolysis</i> Prof. Gary L. Messing, Penn State University
June 23	<i>Primary and Agglomerate Particle Dynamics in Flames</i> Beat Büsser, MS project <i>Novel NO_x-storage reduction catalysts made in flames</i> Stefan Walther, Bachelor Project
June 30	<i>Sensitivity and Selectivity of Flame-made TiO₂-Based Gas Sensors</i> Nada Bjelobrk, Bachelor Project <i>Effect of Particle Volume Fraction on Brownian Coagulation</i> Max Eggersdorfer, Bachelor Project
July 7	<i>Characterization of droplet doped stagnant counter-flow flames</i> Michael Breu, Semester Project <i>Flame-made TiO₂ nanoparticles for sensing of volatile organics</i> Alexandra Teleki