



Eidgenössische Technische Hochschule Zürich  
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## Particle Technology Seminars (WS 02/03)

**Fridays 15.15-18.00; Room ML H 43, Coordinator: Ms. Susanne Veith (veith@ptl.mavt.ethz.ch)**

- October 25 Silver-Modified Titania Particles for Photocatalysis of Organics  
Ms. Veronica Vamathevan, Centre for Particle and Catalyst Technologies,  
The University of South Wales, Australia
- November 1 Synthesis of Nanoparticles in Vapor and Spray Flames  
Mr. Roger Müller, Particle Technology Laboratory, ETH Zürich
- November 15 Shear-driven self-preserving size distributions  
Mr. Frank Ernst, DA, ETH Zürich & Universität Karlsruhe
- November 22 Strategic Planning with emerging, discontinuous technologies  
Mr. Gaston Trauffler, Dept. Industrial Management and Manufacturing, ETH Zurich  
Low cost methods for CIGS solar cells  
Mr. Mark Kaelin, Laboratory for Solid State Physics, ETH Zürich
- November 29 Blue Titania made in Flames  
Dr. Karsten Wegner, Particle Technology Laboratory, ETH Zürich
- December 6 Commercialization of Carbothermal Synthesis of Particles  
Prof. Al Weimer, University of Colorado, Boulder USA
- December 13 Electro spray Deposition of Fuel Cells  
Mr. Oliver Wilhelm, Particle Technology Laboratory, ETH Zürich
- January 10 Sectional Dynamics of 2-D Size Distributions  
Dr. Stavros Tsantilis, Particle Technology Laboratory, ETH Zürich  
Large Scale Molecular Dynamics Simulations of Nano-Scale Systems  
Dr. Walter Jens, Computational Laboratory, ETH Zürich
- January 24 Metastable nanocrystalline materials by flame-nozzle quenching  
Mike Düsseldorf, Semesterarbeit, Particle Technology Laboratory, ETH Zürich  
Zirconia/silica nanoparticles: Highly selective catalysts for glycol synthesis  
Stefan Loher, Semesterarbeit, Particle Technology Laboratory, ETH Zürich
- January 31 Coagulation and Fragmentation of Suspensions  
Dr. Georg Barthelmes, Particle Technology Laboratory, ETH Zürich
- February 7 Thermal Conductivity Calculation of ER/MR Suspensions in Shear Flow  
Mr. Martin Heine, Chemical Engineering, University of Stuttgart, Germany  
Fluid Experiments in Single Carbon Nanotubes: Fluid Behavior at the Nanoscale  
Prof. Dino Megaridis, Dept. of Mechanical Eng'g, Univ. Illinois, Chicago, USA