

**Institute of Process Engineering**Coordinator: Mrs. P. Horn  
[horn@ivuk.mavt.ethz.ch](mailto:horn@ivuk.mavt.ethz.ch) (01) 632 25 10**Prof. Dr. S.E. Pratsinis**<http://www.ivuk.ethz.ch/staff/pratsinis>

# Particle Technology Seminars (SS 2000)

**Fridays 1-2 pm; Room ML J 34.1 (unless otherwise noted), Sonneggstrasse 3, CH-8092 Zürich**

- March 10 "Principles & Applications of actual Laser Backscatter Photometry"  
**ML K 25** Dr. Reto Meili, MSE Meili, Zürich
- March 17 "Vapor Phase Synthesis of Nanostructures and Nanoparticles of Compound Semiconductors"  
**ML K 25** Prof. L. Mountziaris, SUNY Buffalo, USA
- March 31 "Nanoparticle Synthesis by Flame Spray Pyrolysis"  
Dr. Lutz Mädler, Institut für Verfahrenstechnik, ETH Zürich
- April 6 "Preparation of Silica doped Titania Powders by a Sol-Gel Process"  
**Thursday** Mrs. Sandra Foncillas, Diploma Student, University of Castilla, Spain  
**ML K 25**
- April 14 "Nanoparticle Synthesis: From Concept to Reality"  
**ML F 38** Dr. Georg P. Fotou, Cabot Corporation, Tuscola, USA  
**1.15 pm**
- April 28 "Sol-Gel Synthesis and Characterization of Alumina doped Titania"  
Dr. Jinsoo Kim, Institut für Verfahrenstechnik, ETH Zürich
- May 5 "Flame Synthesis of Vanadia on Titania/Silica"  
Mr. J.W. Stark, Diplomarbeit, Chemie ETH Zürich
- May 12 "Electrically-Assisted Flame Synthesis of Nanoparticles"  
Mr. Hendrik Kammler, Institut für Verfahrenstechnik, ETH Zürich
- May 19 "Evaluation and Optimisation of Particle analysing programs"  
Mr. David Serby, Institut für Verfahrenstechnik, ETH Zürich
- May 26 "Stability and Dynamics of Core-Annular Flow in a Circular Tube"  
Prof. John A. Tsamopoulos, Dept. of Chem. Eng., University of Patras, Greece
- June 2 "Sol-Gel Synthesis and Characterization of Alumina doped Titania"  
Dr. Jinsoo Kim, Institut für Verfahrenstechnik, ETH Zürich
- June 9 "CFD and Particle Formation"  
Mr. Martin Opitz, Diplomarbeit, Institut für Verfahrenstechnik, ETH Zürich
- June 16 "Mixing Properties of Coaxial Jets and Consequences for Flame Reactor Scaling"  
Mr. Karsten Wegner, Institut für Verfahrenstechnik, ETH Zürich
- June 23 "Further Software for automated particle counting"  
Dr. Georg Skillas, Institut für Verfahrenstechnik, ETH Zürich
- June 30 "Proton-Conducting Ceramic Membranes"  
Prof. Jerry Y.S. Lin, University of Cincinnati, Cincinnati, USA
- July 5 "Formation and Growth of Titania Nanoparticles. Surface Growth Aspects"  
**Wednesday** Mr. Stavros Tsantilis, Institut für Verfahrenstechnik, ETH Zürich  
**2 pm**