

Institute of Process Engineering Laboratory for Particle Technology

Prof. Dr. S.E. Pratsinis

<http://www.ivuk.ethz.ch/staff/pratsinis/pratsinis.html>

Particle Technology Seminars

Summer semester 1999

Coordinator: Mrs. P. Horn; (01) 632 25 10;
Fridays 4-5 pm; Room ML K 25 (unless otherwise noted)
Maschinenlaboratorium, Sonneggstrasse 3, CH-8092 Zürich

- March 12 "Introduction to Waste Water Treatment"
Mr. Matthias Heinemann, University of Stuttgart, Germany
- March 22 "Simulation of Titania Particle Dynamics",
Monday Mr. Olivier Chaoul, Dept. of Chemical Engineering,
University of Cincinnati, USA
- March 26 "Elastomer Reinforcement by Carbon-coated silica",
11.00 am Mr. Doug Kohls, Dept. of Materials Science Engineering,
University of Cincinnati, USA
- April 8 "Flame Synthesis of Alumina Nanoparticles"
Thursday Prof. Dr. Sotiris E. Pratsinis
11.00 am at Prof. Gauckler's Group, ETHZ
Building NO
Room H 11
Sonneggstr. 5
- April 9 "Nucleation of Supersaturated Non-metallic and Metallic Vapors"
10.30 am Dr. Markus Rudek, John Hopkins University, USA
- April 14 "Flame Microreactors for Synthesis of Non-aggregated
Wednesday Nanoparticles", Mr. K. Wegner, ETHZ
4.15 pm "Flame Synthesis of Nanoparticles", Mr. H. Kammler, ETHZ
ML F34
- April 16 "Sol-Gel synthesis of Titania"
Prof. K.C. Song, Konyang University, Korea
- April 23 "Scale-Up of Flame Synthesis of Composite Fumed
Silica-Carbon Black"
Mr. Omri Senn, Assistant, IVUK, ETHZ

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- April 28
Wednesday
5.15 pm
HG F30
Rämistr. 101
- "Nanoparticles: Flame Synthesis and Applications"
Prof. Dr. Sotiris E. Pratsinis
- April 30
- "In-situ analysis of Flame Synthesized TiO₂ from TTIP"
Mr. Osama Arabi-Katbi, University of Cincinnati, USA
- May 7
11.00am
ML H16
- "A Model for the Interaction of Agglomeration Kinetics and Rheology in Concentrated Suspensions"
Mr. Georg Barthelmes, Universität Karlsruhe, Germany
- May 11
Tuesday
4.15 pm
ML F36
- "Product Engineering of Gas-Made Powders",
Dr. Andreas Gutsch, Degussa AG, Hanau, Germany
- May 14
- "Particle Formation in Premixed Flames"
Ms. Nicole Bieri, Diplomarbeit, IVUK, ETHZ
- May 17
Monday
10.30am
- "Flocculation of Suspended Kaolinite in stirred Tanks",
Ms. Sarah Cunningham, Dept. of Chemical Engineering,
University of Cincinnati, USA
- May 21
- "In-situ characterization of nanoparticles synthesis
by FTIR spectroscopy"
Prof. Dr. S.E. Pratsinis, ETHZ
ESF-Nano in Karlsruhe, Germany
- June 4
- "Synthesis of Bismuth Nanoparticles in Hot-Wall Reactors"
Mr. Bernhard Walker, Semesterarbeit, IVUK, ETHZ
"Electrically Assisted Synthesis of Nanoparticles"
Mr. Beat Borer, Semesterarbeit, IVUK, ETHZ
- June 18
- Excursion to Novartis and Explosionspruefstelle in
Zeglingen, Switzerland
- June 25
- "Nanoparticle synthesis by sol-gel processes"
Prof. K.C. Song, Konyang University, Korea
- July 2
- "Hydrolysis and Oxidation of TiCl₄ "
Mr. Stavros Tsantilis, Ph.D. Student, ETHZ

*For possible changes of the place and time of a particular seminar
please consult our webpage: <http://www.ivuk.ethz.ch/staff/horn/GroupSeminars.html>*
