ETH
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Summersemester 2001
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Particle Technology Seminars (No. 30-930 S)

Fridays 16.00-18.00; Room ML H 43 (unless otherwise noted)**, Sonneggstrasse 3, CH-8092 Zürich**

March 5, **Monday** **ML K25, 17.00**	"Aerosol Synthesis of Epoxidation Catalysts" Wendelin Stark, Institut für Verfahrenstechnik, ETH Zürich
March 9 **ML D 13**	FTIR Monitoring of Flame Temperature during Nanoparticle Synthesis Hendrik Kammler, Institut für Verfahrenstechnik, ETH Zürich
March 16 **ML D 13**	Modeling Electrospray Deposition of Ceramic Thin Films Oliver Wilhelm, Institut für Verfahrenstechnik, ETH Zürich
March 23 **ML H16, 14.00**	Flame Aerosol Microreactor for Synthesis of Non-Aggregate Nanoparticles Karsten Wegner, Institut für Verfahrenstechnik, ETH Zürich
April 6 **ML H16, 14.00**	Modeling of Coagulation, Sintering and Surface Growth Stavros Tsantilis, Institut für Verfahrenstechnik, ETH Zürich
April 9, **Monday** **ML H 16**	Flame Synthesis of Non-agglomerated Silica Roger Müller, Institut für Verfahrenstechnik, ETH Zürich
April 27	Noble metal oxide powder synthesis by emulsion combustion T. Tani, Toyota Research Laboratories, Japan (on leave at ETHZ)
May 4	Effect of external electric fields in flame synthesis of particles Rainer Jossen, Diplomarbeit, Department of Chemistry, ETHZ
May 11	Packaging of Nanostructured Materials by Spray Drying Dr. Jinsoo Kim, Institut für Verfahrenstechnik, ETH Zürich
May 16, **Wednesday** **ML H16, 14.00**	Aerosol Generation by Laser Ablation: A New Understanding through Collision-Coalescence Theory Prof. S. K. Friedlander, Chem. Eng. Dept. UCLA, USA
May 18	Flame Aerosol Microreactor Karsten Wegner, Institut für Verfahrenstechnik, ETH Zürich
June 1	Production of Bi_2O_3 by Flame Spray Pyrolysis (FSP) Patrick Bucher, Semesterarbeit, Institut für Verfahrenstechnik, ETH Zürich
June 11, **Monday** **ML H16**	Sol-Gel Coating of Particles Susanne Veith, Institut für Verfahrenstechnik, ETH Zürich
June 15	MOCVD of Compound Semiconductors Prof. Tim Anderson, Chairman of Dept. of Chemical Engineering, University of Florida, Gainesville, FL, USA
June 22 **ML H16, 9.00**	Synthesis of Solar Cells Marc-Roland Kaelin, Institut für Verfahrenstechnik, ETH Zürich
June 29	Functional Nanoparticles by FSP of Nitrate Precursors Dr. Lutz Mädler, Institut für Verfahrenstechnik, ETH Zürich
July 6 **CLA D17, 15.00**	Vapor phase synthesis of fine particles by transferred arcs (tentative) Dr. Carlos da Cruz, Plasma Laboratory - Mechanics and Electricity Division Cidade Universitária Armando Salles de Oliveira, São Paulo - SP - Brazil
July 9, **Monday** **ML H16, 14.00**	Development of a magnetic photocatalyst Dr. Donia Beydoun, University of New South Wales, Australia
July 12, **Thursday** **ML H43, 14.00**	In-situ measurements of cosmic dust in the solar system Martin Stübig, Max-Planck-Institut für Kernphysik, Heidelberg, Germany
July 20	Aggregation-Fragmentation in Dilute and Concentrated Suspensions Dr. Georg Barthelmes, Institut für Verfahrenstechnik, ETH Zürich