

Particle Technology Seminar FSog

Fridays 14-17h; ML F40

January 9	"Improvement of the tracking and erosion performance of silicone rubber by the addition of nanoparticles" <i>Samuel Ansorge, PTL, ETHZ</i>
January 19 Mon ML F36 @ 4pm	"Characterisation of Flowability of Cohesive Powders Based on Single Particle Properties for Dry Particle Sizing and Dry Powder Inhalers" <i>Prof. Mojtaba Ghadiri, Inst. of Particle Science & Eng., University of Leeds, UK</i>
January 20 Tue ML F40 @ 2.15pm	„Back to the Future: 50 years of Particle Characterization“ <i>Dr. Reg Davies, PERC Advisor, University of Florida, Visiting Professor, Uni of Leeds</i>
January 22 Thu ML F40 @ 1.15pm	"Modeling of elastomer particle aggregation and investigation of the cluster structure dependence on polymer composition and particle surface properties" <i>Cornelius Gauer, Institute for Chemical and Bioengineering, ETHZ</i>
February 13	"Non-invasive early stage detection of illnesses by human breath analysis" <i>Marco Righettoni, ETHZ</i>
February 23 Mon ML E13 @ 3pm	"Flame-made solar cells" <i>Piran Kidambi, ETHZ</i>
March 5 Thu CLA J1 @ 4.15pm	"Carbon coated metallic copper for dielectric nanocomposites" <i>Zabdiel Dominguez, ETHZ</i> "Modelling time evolution of particle size distributions" <i>Chen Zeng, ETHZ</i>
March 11 Wed ML J34.1 @ 4pm	"Nanostructured Ag-SnO ₂ /SiO ₂ Sandwich Sensors for Acetone Sensing at Ultra Low Concentrations Preliminary Planning" <i>Elizabeth Buitrago, ETHZ</i> "Deposition on Fractal Like Particles (FLPs)" <i>Flurin Hänseler, ETHZ</i>

March 23 Mon ML E13 @ 4.15pm	„Formation and Fragmentation of Fractal-Like-Particles (FLPs)” <i>Michael John, ETHZ</i>
March 27	"Carbon coated metallic copper for dielectric nanocomposites" <i>Zabdiel Dominguez Trinidad, ETHZ</i>
April 2 Thu ML E13 @ 5pm	"Flame Spray Synthesis and Deposition of Nanoparticles" <i>Antonio Tricoli, PTL, ETHZ</i>
April 3	"The proximity of Pt in NOx storage-reduction catalysts" <i>Robert Büchel, PTL, ETHZ</i>
April 9 Thu ML F39 @ 5pm	"The proximity of Pt in NOx storage-reduction catalysts" <i>Robert Büchel, PTL, ETHZ</i>
April 23 Thu ML E13 @ 3.15pm	"Non-invasive early stage detection of illnesses by human breath analysis" <i>Marco Righettoni, ETHZ</i>
April 28 Tue CLA J1 @ 2.15pm	"Rapid Synthesis of Anti-Fogging Coatings" "Novel Nanostructures for Solid State Alcohol Breath Analyzers" <i>Antonio Tricoli, PTL, ETHZ</i>
May 10 Sun ML E13	"Flame-made sorbents and heterogeneous catalysts" <i>Prof. P. G. Smirniotis, University of Cincinnati, USA</i>
May 14 Thu ML F40 @ 2.15pm	"Improvement in the tracking and erosion property of Silicone rubber by addition of nanofillers" <i>Ihab Moustafa, ETHZ</i>
May 22	"Analysis of the Surface Shielding of Fractal Like Particles" <i>Flurin Hänseler, Final Presentation of Bachelor Thesis, ETHZ</i> "Soft-Agglomerate Breakage by Discrete Element Method (DEM) Simulations" <i>Michael John, Final Presentation of Bachelor Thesis, ETHZ</i>
June 2 Tue ML F40	"Health effect of Nanoparticles" <i>Prof. Philip Demokritou, Harvard School of Public Health, USA</i>
June 5	"SnO ₂ with Ag Nanoelectrodes for Sensing Ultra low Acetone Concentrations" <i>Elizabeth Buitrago, ETHZ</i>

June 6 Sat ML E13 @5pm	"Ion-Mobility: An Aerosol Dynamics Approach to Manipulate and Characterize NanoParticles" <i>Prof. Michael R. Zachariah, University of Maryland USA</i>
June 12 ML E13 @ 10.30am	"Sensors for Medical Diagnostics" <i>Prof. Perena Gouma, State University of New York, USA</i>
June 18 Thu ML E13 @1.15pm	"Filtration of nanoparticles: evolution of cake-structure and pressure-drop" <i>Dr. Tobias Elmoe, PTL, ETHZ</i> "Flame synthesis and coating of nanostructured particles in one step" "FORC diagrams as a diagnostic tool for evaluating nanoparticle coating" "One step, gas-phase synthesis of hydrophobic TiO ₂ nanoparticles" <i>Dr. Alexandra Teleki, PTL, ETHZ</i>
June 25 Thu ML E13 @1.15pm	"The role of VO _x species in chlorobenzene oxidation by flame- and wet-made V ₂ O ₅ /TiO ₂ " <i>Björn Schimmöller, PTL, ETHZ</i>
July 3 ML H37.1 @ 1.15pm	"Designing Oxidation Processes: The Interplay between Chemistry, Engineering and Materials" <i>Prof. Dr. Ivo Hermans, Inst. für Chemie- und Bioingenieurwissenschaften, ETHZ</i>
July 10 ML E13	"Non-invasive early stage detection of illnesses by human breath analysis" <i>Marco Righettoni, ETHZ</i>
Aug 13 Thu ML E13 @1.15pm	"Size-selected agglomerates as ultrasensitive gas sensors" <i>Dr. Helmi Keskinen, PTL, ETHZ</i>
Aug 21 ML F40 @ 1.15pm	„Modelling nanoparticle production in a turbulent diffusion flame“ <i>Arto Gröhn, PTL, ETHZ</i>
Aug 28 ML F40 @ 1.15pm	„Antibacterial activity of flame-made Ag/SiO ₂ nanoparticles“ <i>Georgios Sotiriou, PTL, ETHZ</i>
Aug 31 Mon ML E13 @ 10:30am	"Measurement of temperature distribution of oscillating premixed flame by using laser speckle method" <i>Dr. K. Tanoue, Faculty of Mech. Eng., Yamaguchi University, Japan</i>
Sept. 4 CLA J1 @ 1.15pm	"Nanostructure evolution: From aggregated to spherical SiO ₂ particles made in diffusion flames" <i>Adrian Camenzind, PTL, ETHZ</i>