

Particle Technology Seminar HS12

Fridays 14-17h; ML F40

- Sept. 21 "The Sintering Rate of Aerosol Nanoparticles"
Arto Gröhn, PTL, ETHZ
- Sept. 28 "The Evolution of Primary Particle Polydispersity in Aggregates During Sintering"
Max Eggersdorfer, PTL, ETHZ
"Films by Atomic Layer Deposition"
Prof. Ruud van Ommen, TU Delft
- Oct. 5 "Bimetallic plasmonic nanoparticles for bioapplications"
Gion Diego Etterlin, BS planning presentation, PTL
"Flame synthesis of nanostructured CaCO₃ for nutritional supplements"
Jesper Knijnenburg, PTL, ETHZ
"The Evolution of Primary Particle Polydispersity in Aggregates During Sintering"
Max Eggersdorfer, PTL, ETHZ
"The Sintering Rate of Aerosol Nanoparticles"
Arto Gröhn, PTL, ETHZ
- Oct. 19 "Surface functionalization of SiO₂-coated Fe₂O₃ nanoparticles for biomedical applications"
Anastasia Spyrogianni, PTL
"Flame Spray Synthesis of ZrO₂ Nanoparticles: from Lab- to Pilot-Scale"
Arto Gröhn, PTL
"The Primary Particle Diameter of Aerosol Agglomerates & Aggregates From Mass-Mobility Characterization"
Max Eggersdorfer, PTL
- Oct. 26 "Oxidative coupling of methane on complex multicomponent Mn-Na₂WO₄/SiO₂ catalyst"
Rajesh Koirala, PTL, ETHZ
"The Primary Particle Diameter of Aerosol Agglomerates & Aggregates From Mass-Mobility Characterization"
Max Eggersdorfer, PTL, ETHZ
"Flame Spray Synthesis of ZrO₂ Nanoparticles: from Lab- to Pilot-Scale"
Arto Gröhn, PTL, ETHZ
- Nov. 2 "Size Controlled CuO Nanoparticles for Li-ion Batteries"
Oliver Waser, PTL, ETHZ
- Nov. 9 "Influence of Ambient Air Entrainment on Particle Size in an Enclosed FSP Setup"
Tilman Schlotter, BS planning presentation, PTL
- Nov. 16 "Size Controlled CuO Nanoparticles for Li-ion Batteries"
Oliver Waser, PTL, ETHZ
- Nov. 22 "Toxicity of silver nanoparticles in macrophages"
Anna Pratsinis, Novartis AG

Dec. 7	"Influence of iron structure on Fe ³⁺ dissolution kinetics" <i>Jesper Knijnenburg, PTL</i> "Aerosol manufacture of plasmonic biosensors" <i>Christoph Blattmann, MS, PTL</i> "Bimetallic plasmonic nanoparticles for biomedical applications" <i>Gion Etterlin, BS Thesis, PTL</i>
Dec. 14	"Process Engineering in Circular Economy" <i>Prof. Lothar Reh, Emeritus, Institute of Process Engineering, ETH Zürich</i>
Jan. 4 ML E13 @1.15pm	"Off line measurements of exhaled breath by portable gas sensors" <i>Marco Righettini, PTL, ETHZ</i>
Jan. 11 ML H34.3 @2.15pm	"Effect of roughness on adhesion force between particle and plate" <i>Prof. Yasushige Mori, Doshisha University, Japan</i>
Jan. 18 ML H34.3 @2.15pm	"Mechanical and Electrical Performance of highly ATH filled silicone rubber" <i>Samuel Ansorge, PTL, ETHZ</i>
Jan 25 ML H34.3 @1.15pm	"Ag ⁺ ion release from different-sized Ag nanoparticles in aqueous solutions" <i>Kakeru Fujiwara, PTL, ETHZ</i>
Feb. 01 CLA J1 @1.15pm	"Flame synthesis and <i>in situ</i> functionalization of TiO ₂ nanoparticles" <i>Jesper Knijnenburg, PTL, ETHZ</i>
Feb. 07 Thu ML E13 @2.15pm	"Flame Synthesis of Nanoparticles, Nanowires, Carbon Nanotubes and Graphene" <i>Prof. Stephen D. Tse, Mechanical and Aerospace Engineering, Rutgers University</i>
Feb. 15 CLA J1 @1.15pm	"Cytotoxicity of flame-made silica nanoparticles" <i>Anastasia Syrogianni, PTL</i> "Oxidative coupling of methane using flame-made Mn-Na ₂ WO ₄ /SiO ₂ catalysts" <i>Rajesh Koirala, PTL</i>