

## Particle Technology Seminar HS11

Fridays 14-17h; ML F40

- Sept 23 "Aggregate Dynamics during Coalescence or Sintering: Average Number & Diameter of Primary Particles"  
*Max Eggersdorfer, PTL, ETHZ*  
"Simulation of ZnO synthesis from Diethylzinc in a hot wall reactor"  
*Carolin Schilling, Nanoparticle Process Technology Team, University of Duisburg, Germany*
- Sept 26 Mon  
**HG G30 @1pm** "Nanotechnology and Bioengineering in an Evolving Chemical Engineering World: The Next Generation of Recognitive, Intelligent Medical Microdevices"  
*Prof. Nicholas A. Peppas, University of Texas at Austin, USA*
- Sept 30 "Aggregate Coalescence or Sintering: Number & Diameter of Primary Particles"  
*Max Eggersdorfer, PTL, ETHZ*  
"Flame synthesis of silica-coated color tunable nanophosphors"  
*Georgios Sotiriou, PTL, ETHZ*
- Oct 12 "Near Extinction Behavior of Microflame in Preheated Air"  
**ML E13 @3pm**  
*Kakeru FUJIWARA, Hokkaido University, Japan*
- Oct 14 "Twin Flame Spray Pyrolysis Production of Pt/K/Al<sub>2</sub>O<sub>3</sub> NO<sub>x</sub> Storage-Reduction Catalysts"  
*Robert Büchel, PTL, ETHZ*
- Oct 24 Mon  
**ML E13 @2pm** "Optically stable biocompatible nanophosphors for cancer cell imaging"  
*Georgios Sotiriou, PTL, ETHZ*
- Nov 4 "Optimized silicone rubber for the use as outdoor insulation material"  
*Samuel Ansorge, PTL, ETHZ*
- Nov 11 "Development of new electrocatalysts for PEFC through introduction of Pt-Cu alloys into carbon nano-space"  
*Patrick Reinhard, ETHZ*
- Nov 18 "Flame Spray Pyrolysis in Erlangen – an overview"  
**Dec 9  
@3.15pm**  
*Daniel Kilian, University of Erlangen*
- Nov 25 "Investigation of blood flow in a replica of a bifurcated small artery"  
*Anastasia Spyrogianni, Aristotle University of Thessaloniki, Greece*
- Dec 9 "Noble metal nanoelectrodes for breath analysis"  
**ML E13 @ 1pm**  
*Marco Righettoni, PTL, ETHZ*
- Jan 13 "Easy multimineral supplementation with nano-CaO as carrier matrix" and  
"Particle dynamics in CSTR-like processes"  
*Jesper Knijnenburg, PTL, ETHZ*
- Jan 16 Mon  
**ML E13 @10.30am** "New Strategy for Material Synthesis on the Use of Rare Metal"  
*Prof. Kikuo Okuyama, Hiroshima University, Japan*
- Feb 11 Sat  
**ML E13 @2pm** "Size controlled flame synthesis of CuO nanoparticles for Li-ion conversion reaction"  
*Oliver Waser, PTL, ETHZ*