

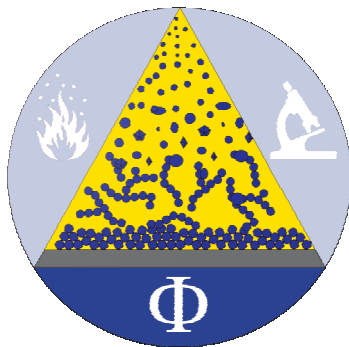
SFB 445 and CeNIDE Symposium

Nanoparticles from the Gas Phase

Synthesis ■ Structure ■ Properties ■ Applications

Venice, September 27 – October 1, 2010

– Program –



SFB 445

Nanoparticles
from the
Gasphase

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CeNIDE
CENTER FOR NANOINTEGRATION
DUISBURG-ESSEN

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Overview

	Monday 09/27/10	Tuesday 09/28/10	Wednesday 09/29/10	Thursday 09/30/10	Friday 10/01/10	
09:00	Bacher	Niensch	Schlögl	Hyeon	Samuelson	
10:00	Geller	Schierning	Antoniak	Friedenberger	Gutsche	
10:30	Coffee	Coffee	Coffee	Coffee	Coffee	
11:00	Vinaji	Theissmann	Bubel	Elsukova	Schmechel	
11:30	Hartner	Gupta	Busch	Sahoo		
12:00	Lunch	Lunch	Lunch	Lunch	Lunch	
14:00	Schulz	Wolf	Excursion	Pratsinis	SFB Plenum	Review Meeting
15:00	Kruis	Grünebohm		Wlokas		
15:30	Coffee	Coffee		Coffee		
16:00	Hecht	Migunov		Kala		
16:30	Djenadic	Li		Wiggers		
17:00						
19:00	Poster Session	Dinner After Dinner Talk		Poster Session		
21:00						

Program Monday 09/27/10

	Author, Title
09:00	Bacher, <i>Nanoparticles for Optoelectronic and Spintronic Applications</i>
10:00	Geller, <i>Luminescence from semiconductor nanoparticles</i>
10:30	Coffee
11:00	Vinaji, <i>Electrical Scanning Force Microscopy at Nanoparticle Based Devices</i>
11:30	Hartner, <i>Investigations of the Electrical Properties of Nanoparticles Synthesized in the Gas-Phase</i>
12:00	Lunch
14:00	Schulz, <i>Observing the Conditions During Gas-Phase Synthesis: Chemical Kinetics and Laser Diagnostics</i>
15:00	Kruis, <i>Scaling-up the Synthesis and Deposition of Tailored Nanoparticles</i>
15:30	Coffee
16:00	Hecht, <i>Laser-based Diagnostics for the in-situ Character. of Nanoparticle Synthesis</i>
16:30	Djenadic, <i>Functional Nanoparticles by Chemical Vapor Synthesis</i>
17:00	
19:00	Poster Session

Program Tuesday 09/28/10

	Author, Title
09:00	Niensch, <i>Thermoelectric Nanostructures</i>
10:00	Schierning, <i>Silicon Nanoparticles for Thermoelectric Application</i>
10:30	Coffee
11:00	Theissmann, <i>Microstructure of Spark-Plasma Sintered Nano-Silicon</i>
11:30	Gupta, <i>Optical Properties of Silicon Nanoparticles: Influence of etching, surface oxidation and surface functionalization</i>
12:00	Lunch
14:00	Wolf, <i>Structure and Transport in Nanopowders</i>
15:00	Grünebohm, <i>Simulation of Rutile-Iron Composite Systems</i>
15:30	Coffee
16:00	Migunov, <i>Young's modulus of InAs Nanowires</i>
16:30	Li, <i>Surface Relaxation of FePt and Pt Nanoparticles Investigated by HRTEM</i>
17:00	
19:00	Dinner
	After Dinner
	Talk

Program Thursday 09/30/10

	Author, Title
09:00	Hyeon, <i>Large-scale Synthesis of Uniform-sized Magnetite Nanocrystals and their Designed Assembly for Multifunctional Biomedical Applications</i>
10:00	Friedenberger, <i>Magnetic Properties of Individual Nanoparticles Studied by XPEEM</i>
10:30	Coffee
11:00	Elsukova, <i>Structural and Magnetic Properties of Bimetallic Gas-Phase Nanoparticles</i>
11:30	Sahoo, <i>Structure and Magnetism of Transition Metal Clusters Deposited on Pt Surface: An ab-initio Study</i>
12:00	Lunch
14:00	Pratsinis, <i>Synthesis of Nanostructured Particles for Catalysts and Gas Sensors</i>
15:00	Wlokas, <i>Simulation of Particle Dynamics in a Flame Reactor</i>
15:30	Coffee
16:00	Kala, <i>Metal-Semiconductor Pair Nanoparticles by Bipolar Mixing</i>
16:30	Wiggers, <i>Nanoparticles from the Gas Phase: Strategies for Tuning Properties During Particle Formation</i>
17:00	
19:00	Poster Session

Program Friday 10/01/10

	Author, Title	
09:00	Samuelson, <i>Semiconductor Nanowires: From Materials Science to Physics and Device Applications</i>	
	<i>Applications</i>	
10:00	Gutsche, <i>III-V-Semiconductor Nanowires for Device Applications: Morphological, Electrical and Optical Properties</i>	
10:30	Coffee	
11:00	Schmechel, <i>Nanomaterials for Energy - A Perspective Overview</i>	
11:30		
12:00	Lunch	
14:00	SFB Plenum	Review Meeting
17:00		

Poster Contributions

Name		Title
Abdali	Ali	<i>Synthesis of Metal Oxide Nanoparticles in a Low-Pressure Flame Reactor</i>
Braam	Daniel	<i>Photolumineszenz-Spektroskopie an Einzelnen Nanopartikeln</i>
Bywalez	Robert	<i>Functionalization of Silicon Nanoparticles for Photovoltaic Applications</i>
Faccinetto	Alessandro	<i>Charaterisation of Flame-Formed Nanoparticles by Time-Of-Flight Mass Spectrometry</i>
Fainblat Pádua	Rachel	<i>Optical Spectroscopy on Magnetically Doped Nanoparticles</i>
Fikri	Mustapha	<i>Shock-tube Study of the Kinetics of Ga, Fe Systems</i>
Hardt	Sebastian	<i>Nanoparticle Synthesis via Flame Spray Pyrolysis</i>
Hartmann	Nils	<i>Photothermal Laser Processing of Thin Silicon Nanoparticles Film</i>
Kiesler	Dennis	<i>Vorstellung: SFB 445 Transferprojekt 02, Integration von Nanopartikeln in PVD Schichten</i>
Nedic	Aleksandar	<i>Thin Film and Related Gas Sensing Applications Made of Monodispersed Nanoparticles</i>
Offer	Matthias	<i>Optical Properties of Nanoparticles</i>
Rouenhoff	Marcel	<i>Synthesis of FePt Nanoparticles by Pulsed Laser Ablation</i>
Schilling	Carolin	<i>Up-scaling of ZnO Nanoparticle Production</i>
Schwesig	Dominik	<i>Current Induced Compaction</i>

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