



Winter School

on

**Semiconducting Nanoparticles:
*Optoelectronics and Photovoltaics***

8th to 10th of December 2010 Duisburg, Germany

Program

Tuesday, 7th of December 2010

***Internal Meeting of Research Training Group Nanotronics
(not open to public)***

time	speaker	title	chair
08:30	Carolin Schilling	<i>Synthesis and Characterization of nanocrystalline Powders</i>	Winterer
09:15	Patrick Felbier	<i>Optoelectronic Emitting Devices Based on Nanoparticles</i>	Bacher
10:00		<i>coffee break</i>	
10:30	Jens Theis	<i>Electronic and Optical Properties of Semiconducting Nanomaterials</i>	Lorke
11:15	Markus Winterer	<i>Colloidal Chemistry of Nanocrystalline Particles for Films</i>	Winterer
12:00		<i>lunch break</i>	
13:00	Martin Meseth	<i>Detectors and Photovoltaic Cells from Nanoparticles</i>	Schmechel
13:45	Robert Bywalez	<i>Synthesis and Functionalization of Silicon Nanoparticles</i>	Wiggers
14:30		<i>coffee break / poster session</i>	
15:00	Matias Zilly	<i>Theory of Mesoscopic Conductivity of Nanoparticle Aggregates</i>	Wolf
15:45	Sanjeev Nayak	<i>Magnetically Doped Semiconductor Bulk and Nanoparticles from First Principles</i>	Kratzer
16:30	Johann Gutjahr	<i>Electronic Structure and Properties of Nanoparticles</i>	Kratzer
17:15		<i>coffee break / poster session</i>	
17:30		<i>Resumee, Strategic discussions and Conclusions</i>	Winterer
18:30		<i>Informal Dinner</i>	

Wednesday, 9th of December 2010

Winter School

time	speaker	title	chair
08:15		<i>Welcome</i>	Winterer
08:30	Rene Jansen TU Eindhoven	<i>Photovoltaics from Polymers and Nanoparticles</i>	Schmechel
10:00		<i>coffee break</i>	
10:30	Klaus Ensslin ETH Zürich	<i>Electronics Properties of Semiconducting Nanostructures</i>	Lorke
12:00		<i>lunch break</i>	
13:00	Julius Muschaweck OSRAM GmbH	<i>Light Emitting Devices – An Inside Look</i>	Bacher
14:30		<i>coffee break</i>	
15:30	Rolf Könenkamp Portland State U	<i>Nanostructured Solar Cells</i>	Kümmell
17:00		<i>Informal lab tour</i>	
18:30		<i>Informal dinner</i>	

Thursday, 9th of December 2010

Winter School

time	speaker	title	chair
08:30	Steven Erwin NRL	<i>Theoretical Aspects of Doping Nanocrystals</i>	Kratzer
10:00		<i>coffee break / poster session</i>	
10:30	Peter Nielaba U Konstanz	<i>Structure Formation and Transport in Nanostructures</i>	Wolf
12:00		<i>lunch break</i>	
13:00	David Norris ETH Zürich	<i>Nanowire-Quantum-Dot Solar Cells & Hot Electron Transfer from Nanocrystals</i>	Wiggers
14:30		<i>coffee break / poster session</i>	
15:30	Brian Derby U Manchester	<i>Inkjet Printing: from Drops to Solid</i>	Winterer
17:30		<i>transfer by bus to the</i>	
18:00 – 22:00		<i>Conference Dinner Restaurant Brendel Kaiserstraße 81 47229 Duisburg Friemersheim Telefon: (02065) 47016</i>	

Friday, 10th of December 2010

Winter School – Nano Meets Society

time	speaker	title	chair
09:00	Ralf Anselmann Evonik-Degussa GmbH	<i>Nanomaterials in Electronic Applications</i>	Winterer
10:00	Martin Wiemann IBE GmbH	<i>Toxicology of Nanoparticles</i>	Winterer
11:00		<i>coffee break</i>	
11:30	Carl F. Gethmann U Duisburg-Essen	<i>Ethical and Societal Aspects of Technical Safety</i>	Winterer
12:30		<i>lunch break</i>	
13:30	Günter Schmid U Duisburg-Essen	<i>Good and Bad Nanoparticles</i>	Erni
14:30	Alfred Nordmann TU Darmstadt	<i>The Character of Nanotechnology</i>	Erni
15:30		<i>coffee break</i>	
16:00	Thomas Epprecht Swiss Re	<i>Risks of Nanotechnology</i>	Erni
17:00		<i>snack break</i>	
18:00		<i>1. Duisburger Nanodialog (öffentliche Diskussion)</i>	