



**2nd Spring Course**  
**Semiconducting**  
**Nanoparticles:**  
***Processing and Applications***

**28th & 29th of May**  
**2009 Duisburg, Germany**

**Organizer: Markus Winterer / Research Training Group 1240: 'Nanotronics – Photovoltaics and Optoelectronics from Nanoparticles'**

**Wednesday, 27th of May 2009: Internal Meeting of Research Training Group Nanotronics (not open to public)**

time	speaker	title	chair
08:30	Christoph Rier	<i>Detectors and Photovoltaic Cells from Nanoparticles</i>	Jäger
09:15	Katja Neshataeva	<i>Optoelectronic Emitting Devices Based on Nanoparticles</i>	Bacher
10:00		<i>coffee break / poster session</i>	
10:30	Andreas Gondorf	<i>Electronic and Optical Properties of Semiconducting Nanomaterials</i>	Lorke
11:15	Ahmed Khalil	<i>Colloidal Chemistry of Nanocrystalline Particles for Films</i>	Winterer
12:00		<i>lunch break</i>	
13:00	Moazzam Ali	<i>Synthesis and Characterization of nanocrystalline Powders</i>	Winterer
13:45	Anoop Gupta	<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>Electronic Structure and Properties of Nanoparticles</i>	Entel
17:00		<i>coffee break / poster session</i>	
17:30		<i>Resumee, Strategic discussions and Conclusions</i>	Winterer
19:00		<i>snack</i>	
20:00	Culture in Duisburg	<i>12. PHILHARMONISCHES KONZERT "Der Ring ohne Worte". Orchestermusik aus "Der Ring des Nibelungen" von Richard Wagner. Dirigent: Jonathan Darlington</i>	

### Thursday, 28th of May 2009: Spring Course

time	speaker	title	chair
08:15		<i>Welcome</i>	Winterer
08:30	Philippe Guyot-Sionnest U Chicago	<i>Colloidal quantum dots: Optical and electronic properties</i>	Winterer
10:00		<i>coffee break / poster session</i>	
10:30	Arved Hübler TU Chemnitz	<i>Printing of Electronics</i>	Wiggers
12:00		<i>lunch break</i>	
13:00	Thomas Anthopoulos ICL	<i>Solution processible high-performance transistors for micro- and optoelectronic applications</i>	Kümmell
14:30		<i>coffee break / poster session</i>	
15:30	Vladimir Bulovic MIT	<i>Quantum Dot Light Emitting Devices</i>	Bacher
17:00		<i>informal lab tour</i>	
19:00		<i>Informal dinner</i>	

### Friday, 29th of May 2009: Spring Course

time	speaker	title	chair
08:30	Supriyo Datta Purdue U	<i>Mesoscopic Transport</i>	Wolf
10:00		<i>coffee break / poster session</i>	
10:30	Hideo Hosono Tokyo I. Technology	<i>p-type conducting oxide and oxychalcogenides: material designing and applications</i>	Lorke
12:00		<i>lunch break</i>	
13:00	Michael Grätzel EPFL Lausanne	<i>Dye Sensitized Photovoltaic Cells</i>	Jäger
14:30		<i>coffee break / poster session</i>	
15:30	Arno Schindlmayr U Paderborn	<i>GW-DFT</i>	Entel
17:00		<i>informal lab tour</i>	
19:00		<i>Conference Dinner</i>	