

## Conference Programme

---

### Sunday 7 December

17:30 - 19:10	<b>Session 1</b> .....	<b>Page 6</b>
17:30	<b>Opening Remarks</b>	
17:45	<b><u>Thomas Nann</u></b> <i>Non-Toxic, Luminescent Nanocrystals</i>	
18:30	<b>Julian Eastoe</b> <i>Light-Sensitive Surfactants</i>	
18:50	<b>Horst Rubahn</b> <i>Organic Molecular Nanotechnology</i>	
19:10	<b>Group dinner reception</b>	

---

### Monday 8 December

08:30 - 10:15	<b>Session 2</b> .....	<b>Page 9</b>
08:30	<b><u>Jiye Fang</u></b> <i>Synthesis and Self-Assembly of Octahedral and Cubic Nanocrystals</i>	
09:15	<b>Kate Klein</b> <i>FeNi<sub>3</sub> Alloy Nanoparticles Encapsulated within Carbon Nanofibers</i>	
09:35	<b>Corinne Chanéac</b> <i>Design of Oxide Nanoparticles and Nanomaterials by Aqueous Chemistry</i>	
09:55	<b>Michael Mucalo</b> <i>An Overview of IR Spectroscopic, Mass Spectrometric and Surface Analytical Techniques used in the in situ or ex situ Studies of Precious Metal Colloids</i>	
10:15 - 10:45	<b>Informal discussion and refreshments</b>	
10:45 - 12:00	<b>Short Presentations</b> .....	<b>Page 13</b>
12:00 - 13:00	<b>Lunch</b>	

16:00 - 17:45	<b>Session 3</b> .....Page 22
16:00	<b>Richard Tilley</b> <i>Liquid Phase Synthesis and Applications of Nanoparticles</i>
16:45	<b>Ann Gooding</b> <i>The Photoluminescence Lifetime of Negatively Charged CdSe/CdS/ZnS Nanocrystals in Air and Nitrogen</i>
17:05	<b>Jau Tang</b> <i>Light-Induced Ultrafast Structural Dynamics and Fluorescence Blinking of Nanomaterials</i>
17:25	<b>Shailesh Sharma</b> <i>Role of Ligands on the Photophysics and Photochemistry of Colloidal CdSe Quantum Dots</i>
17:45 - 18:15	<b>Informal discussion and refreshments</b>
18:15 - 20:00	<b>Session 4</b> .....Page 26
18:15	<b>Mounqi Bawendi</b> <i>Designing Semiconductor Nanocrystals for Optoelectronic and Biological Applications</i>
19:00	<b>Andreas Pein</b> <i>Energy Transfer from ZnO Nanoparticles to a Platinum Dye Mediated by a Block Copolymer</i>
19:20	<b>Martin Danko</b> <i>Modification and Characterization of Fluorescently Labeled Organoclay Nanoparticles</i>
19:40	<b>Francois Ribot</b> <i>Probing the Surface of Nanoparticles by DOSY NMR</i>
20:00	<b>Dine-around (choice of hotel restaurant)</b>

---

**Tuesday 9 December**

08:30 - 10:35	<b>Session 5</b> .....Page 30
08:30	<b>Akihiko Kondo</b> <i>TBC</i>
09:15	<b>Karel Klepárník</b> <i>Potential of Nanoparticles for Single Molecule Fluorescence Probing of Individual Cells</i>
09:35	<b>David Cramb</b> <i>Interactions of Nanoparticles with Embryos</i>
09:55	<b>Emma Lees</b> <i>Quantum Dot Size Distributions, Ligand Packing Densities and Bioconjugation Characterisation obtained using Analytical Ultracentrifugation</i>
10:15	<b>Shin-ichi Yusa</b> <i>Salt Effect on Heat-Induced Association Behavior of Gold Nanoparticles Coated with Thermo-Responsive Water-Soluble Polymer</i>

<b>10:35 - 12:30</b>	<b>Poster Session &amp; Refreshments</b>
<b>12:30 - 13:30</b>	<b>Lunch</b>
<b>16:00 - 17:45</b>	<b>Session 6 .....Page 35</b>
<b>16:00</b>	<b><u>Philippe Guyot-Sionnest</u></b> <i>Charging Semiconductor Nanocrystals</i>
<b>16:45</b>	<b>Alexander Balandin</b> <i>Extremely High Thermal Conductivity of Graphene.</i>
<b>17:05</b>	<b>Lun Dai</b> <i>High Performance Field-Effect-Transistors and Logic Circuits Constructed on CdS Nanowires/Nanobelts</i>
<b>17:25</b>	<b>Justin Holmes</b> <i>Ferromagnetic Ordering in Single Crystalline Ge<sub>1-x</sub>Mnx Nanowires</i>
<b>17:45 - 18:15</b>	<b>Informal discussion and refreshments</b>
<b>18:15 - 20:00</b>	<b>Session 7 .....Page 39</b>
<b>18:15</b>	<b><u>Alexander Eychmuller</u></b> <i>Nanocrystals: Past - Present - Future</i>
<b>19:00</b>	<b>Michael Y. Ogawa</b> <i>Metal-Mediated Peptide Assembly: A New Route Towards Ordered Biomaterials</i>
<b>19:20</b>	<b>Ben Mashford</b> <i>All-Inorganic Quantum-Dot Light Emitting Devices Formed via Low-Cost, Wet-Chemical Processing</i>
<b>19:40</b>	<b>Nanoporous Membranes for Gas Separation</b> <i>Nanoporous Membranes for Gas Separation</i>
<b>20:00</b>	<b>Group dinner</b>

---

**Wednesday 10 December**

<b>08:30 - 10:15</b>	<b>Session 8</b> .....Page 43
<b>08:30</b>	<b><u>Geoffrey Strouse</u></b> <i>TBC</i>
<b>09:15</b>	<b>Isiah Warner</b> <i>Syntheses and Utility of Frozen Ionic Liquid Micro- and Nano-particles</i>
<b>09:35</b>	<b>David Steytler</b> <i>Control of Pore Morphology in Mesoporous Silica using Supercritical CO<sub>2</sub></i>
<b>09:55</b>	<b>Crina Silvia Suci</b> <i>NiO Nanoparticles for SOFC Anodes. Comparison of Two Synthesis Methods.</i>
<b>10:15 - 10:45</b>	<b>Informal discussion and refreshments</b>
<b>10:45 - 12:30</b>	<b>Session 9</b> .....Page 47
<b>10:45</b>	<b><u>Peter Reiss</u></b> <i>Strategies for the Synthesis of Semiconductor Nanocrystals and their Molecular Composites with Conjugated Polymers as Components of "Plastic" Solar Cells.</i>
<b>11:30</b>	<b>Dmitri Muraviev</b> <i>Polymer-Metal Nanocomposites for Electrochemical Applications</i>
<b>11:50</b>	<b>Frank Balzer</b> <i>Organic Nanowires from Thiophene-Phenylene Cooligomers</i>
<b>12:10</b>	<b>Csaba Visy</b> <i>Conducting Polymer Based Multifunctional Nanocomposites</i>
<b>12:30</b>	<b>Lunch and departure</b>

---