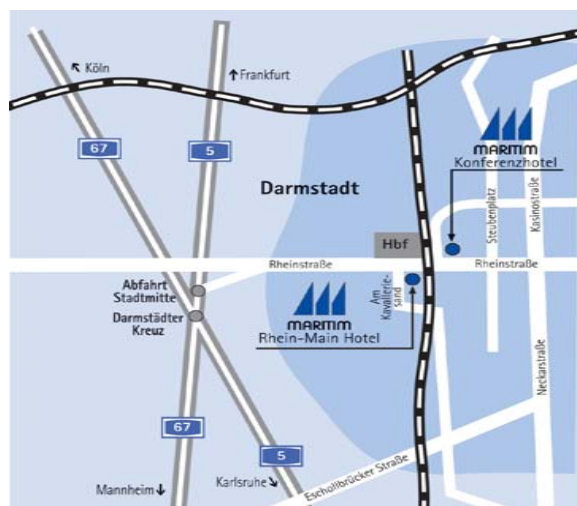


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**Workshop  
Programme**

**Nanoscaled Inorganic Materials  
by Molecular Design**  
[www.spp-nanomaterial.de](http://www.spp-nanomaterial.de)

**5<sup>th</sup> & 6<sup>th</sup> October 2010**  
**Maritim Konferenzhotel Darmstadt**



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**Tuesday, 5<sup>th</sup> October**

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- 12:00-12:15 **Ralf Riedel**  
Welcome & Introduction
- 12:15-13:00 **Keynote: Ulrich Wiesner**  
Nanoscale Inorganic Materials from Block Copolymer Assembly
- 13:00-13:30 **Thomas Schmalz**  
Investigations on Metal Modified, Porous SiCN Precursor Ceramics and their Applications in Catalysis
- 13:30-14:30 **Lunch**  
**Session Chair: Edwin Kroke**
- 14:30-15:00 **Liviu Toma**  
Ceramic Temperature and Pressure Sensors based on Molecularly Derived SiOC Ceramics by Injection Moulding Process
- 15:00-15:30 **Michael Wark**  
Proton Conduction of Functionalized Periodic Mesoporous Organosilicas
- 15:30-16:00 **Benjamin Papendorf**  
Polymer-derived SiCO/HfO<sub>2</sub> and SiCN/HfO<sub>2</sub> Ceramic Nanocomposites for Ultrahigh-Temperature Applications
- 16:00-16:30 **Coffee break**

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**Tuesday, 5<sup>th</sup> October**

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- Session Chair: Jürgen Caro**
- 16:30-17:15 **Keynote: Ian Manners**  
Functional Nanostructures from Self-Assembled Metallopolymers
- 17:15-17:35 **Nicola Hüsing**  
**Katharina Landfester**  
Synthesis of Oxidic Nanostructures via Combined Sol-gel and Miniemulsion Processes
- 17:35-17:55 **Jürgen Behm**  
Nanostructured Oxide Supported Au Catalysts - Advances in Synthesis and Catalytic Properties
- 17:55-18:15 **Margret Wohlfahrt-Mehrens**  
Nanosized TiO<sub>2</sub> as Electrode Material for Lithium Ion Batteries: Achievements and Challenges
- 18:30 **Dinner**

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**Wednesday, 6<sup>th</sup> October**

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- Session Chair: Stefan Kaskel**
- 09:00-09:45 **Keynote: Paolo Colombo**  
Porous Ceramics from Pre ceramic Polymers: Past, Present and Future
- 09:45-10:15 **Michael Veith**  
Surfaces with Al<sub>2</sub>O<sub>3</sub> Structures
- 10:15-10:45 **Coffee break**
- 10:45-11:15 **Tatiana Barsukova**  
**Mikhail Motylenko**  
(Super)hard Nanocomposites
- 11:15-12:00 **Lucangelo Dimesso**  
Hybrid Structures Derived from Phospho-olivines Type LiMPO<sub>4</sub> with C Nanofilaments for Li-ion Batteries
- 12:00-13:00 **Lunch**  
**Session Chair: Ralf Riedel**
- 13:00-13:30 **Stefan Kaskel**  
Porous Silicon Carbide Materials: Syntheses and Catalytic Properties
- 13:30-14:00 **Peter Müller-Buschbaum**  
**Jochen Gutmann**  
Sol-Gel Templated Titaniumdioxide Films for Solar Cell Application
- 14:00-14:30 **Ralf Riedel**  
Outlook & final discussion