

Final Meeting

Priority Programme SPP 1181

NANMOAT

Nanoscale Inorganic Materials
by Molecular Design
New Materials for Advanced Technologies

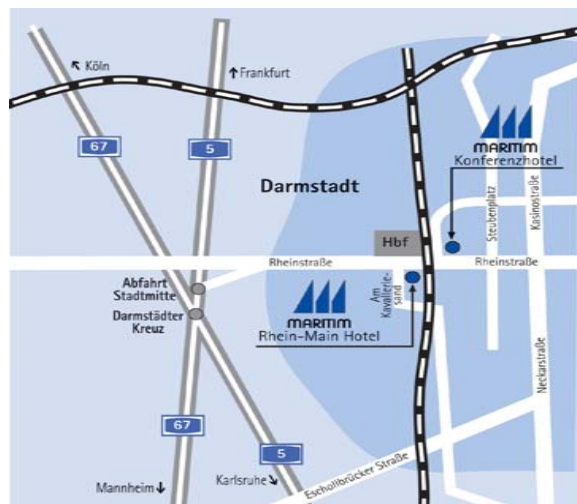
www.spp-nanomaterial.de

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Workshop Location

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www.maritim.com/en/hotels/germany/konferenz-hotel-darmstadt



Workshop Organisation

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Programme Final Meeting

SPP 1181 Nanomat

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27th & 28th September 2011
Maritim Konferenzhotel Darmstadt



Tuesday 27th September

Session Chair: Ralf Riedel

- 11:00-11:20 **Burkhard Jahnen**
Ralf Riedel
Welcome & Introduction
- 11:20-12:05 **Keynote: I-Wei Chen**
Designed Functional
Nanomaterials Using New
Electronic and Structural Ideas
- 12:05-12:35 **Muhammad Zaheer**
M@SiCN Catalysts
- 12:35-13:45 Lunch**
- 13:45-15:00 **Nicola Hüsing**
Glycol-Modified Precursors in the
Synthesis of Nanoscale Oxides
- 15:00-15:20 **Theodor Schneller**
Synthesis and Processing of
Micelle-Stabilized BaTiO₃
Nanoparticle and Zirconia
Alkoxide Hybrid Solutions and their
Film Phase Formation Behavior
- 15:20-15:40 **Denitsa Shopova**
Synthesis and Property
Characterization of Precursor-
Derived Ceramics Reinforced by
Functionalized Single-Wall Carbon
Nanotubes
- 15:40-16:30 Poster session & coffee break**
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Tuesday 27th September (cont.)

Session Chair: Edwin Kroke

- 16:30-17:15 **Keynote: Rick Laine**
The bottom up approach to
processing ceramics is not always
the best solution
- 17:15-17:45 **Stefan Kaskel**
Catalytic Active Silicon Carbide
Nanocomposites Derived from
Molecular Precursors. Synthesis,
Characterization and Catalysis
- 17:45-18:15 **Christof Köhler**
Proton Transport in Mesoporous
Particles: Recent Experimental
Results and Theoretical
Perspectives
- 18:15-18:45 **Emanuel Ionescu**
Polymer-Derived SiCO/HfO₂
and SiCN/HfO₂ Ceramic
Nanocomposites for Ultrahigh-
Temperature Applications
- 19:00 Dinner**
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Wednesday 28th September

Session Chair: Stefan Kaskel

- 09:00-09:45 **Keynote: Alberto Ortona**
Si-SiC Reticulated Foams:
Processing, Properties and
Applications
- 09:45-10:15 **Peter Müller-Buschbaum**
Inorganic-Organic Hybrid Films
with Integrated Function
- 10:15-10:45 Coffee break**
- 10:45-11:15 **Edwin Kroke**
Superhard Nanocomposites
- 11:15-11:45 **Michael Veith**
Nano and Microstructures by
Chemical Methods
- 11:45-13:00 Lunch**
- Session Chair: Ralf Riedel**
- 13:00-13:20 **Karl-Heinz Haas**
Hybrid Inorganic-Organic
Polymers as Precursors for
Microporous Inorganic Hollow
Fiber Membranes
- 13:20-14:05 **Lucangelo Dimesso**
LiMPO₄/C-Nanofibers Hybrid
Structures as Cathode Materials
for Li-Ion Batteries
- 14:05-14:15 **Ralf Riedel**
Concluding remarks
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