

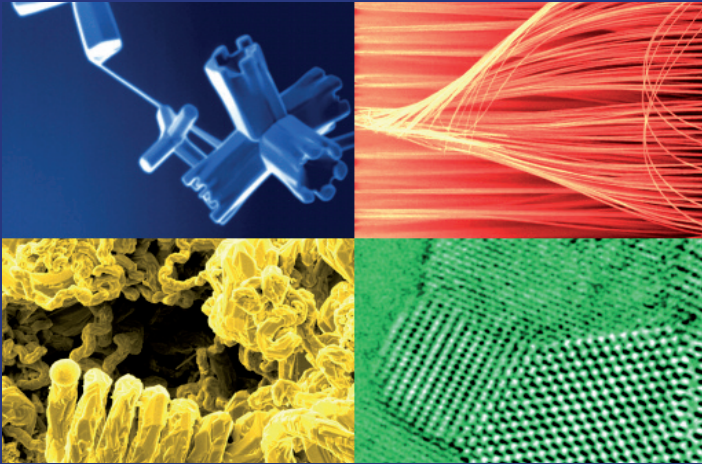
**DGM**

Call for Abstracts  
now open

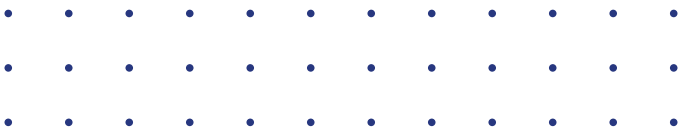
1st Announcement

Euro

# Intelligent Materials



25 - 27 Sept 2013



Kiel  
Germany

**DGM** Deutsche Gesellschaft  
für Materialkunde eV

[www.dgm.de/intelligent\\_materials](http://www.dgm.de/intelligent_materials)

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## Scope

Intelligent materials with integrated functionalities are required to make devices more energy efficient, autonomous, self-responding, switchable, biocompatible, and anti-bacterial. They are also integrated into novel sensor and actuator devices with significantly increased sensitivity. Such intelligent materials typically have a complex internal structure: they can be composites from different material classes like multiferroics. They might be nanostructured or hierarchically built-up, they could be bio-inspired and possess functional elements ranging from single molecules to the macro-scale. All those materials and their design and development has to be accompanied by high-resolution analytical tools that are able to characterize the materials on all scales and, moreover, to track and reveal their function-structure relations in situ.

The symposium will bring together experts in the field of intelligent materials in order to present and discuss recent developments and detect future trends.

The symposium will be a forum to get in contact with international key researchers and stimulate new collaborations for developing novel intelligent material systems, characterizing their functionality from molecular mechanisms to applications.

*Eckhard Quandt*  
Christian-Albrechts University of Kiel,  
Germany

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## Topics

- Multiferroics
- Smart materials
- Composites
- Bio-inspired materials
- Medical applications
- Biofunctional materials
- Switchable surfaces / properties
- Advanced characterization techniques

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## Call for Abstracts

The organisers invite prospective authors to submit an abstract relating to the conference topics. Abstracts should not exceed 300 words in length and should be submitted through the conference website.

The abstracts will be evaluated, and if accepted, the authors will be informed about the kind of presentation (oral or poster). Especially young scientists are very welcome to actively contribute to the conference by submitting an abstract.

# Programme Committee



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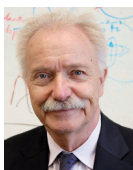
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**Joachim Wecker**  
Siemens AG,  
Erlangen



**Manfred Wuttig**  
University of  
Maryland, USA



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## General Information

### Location

The symposium will take place in Kiel, which is a pleasant town located at the coast of the Baltic Sea. The hotel Maritim is situated in one of the nicest areas of Kiel, in the middle of Düsternbrook forest, and within walking distance from the waterfront. Due to its nice location and several inside and outside refreshment opportunities, it offers a stimulating atmosphere that facilitates social interaction also beyond the technical programme.

### Key Dates and Deadlines:

#### Submission of Abstracts

28 Feb 2013

#### Notice to Authors

March 2013

#### Publication of Programme

May 2013

### Conference and Exhibition Secretariat

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### Proceedings

The papers presented at the conference can be published in a special edition of **Advanced Engineering Materials**. Detailed instruction for the authors will be available on the conference website.