

# Nanosafety 2013

November 20-22, 2013, Saarbrücken, Germany

[www.nanosafety2013.de](http://www.nanosafety2013.de)



## WELCOME AND SCOPE

Nanotechnologies are developing with increasing pace. They impact a broad range of industrial sectors, from energy, optics, electronics to food and biomedicine. Using these technologies, materials, objects and structures in the size range between 1-100 nanometers are generated, manipulated or analysed. For a sustainable development of these promising technologies, aspects of nanosafety gain more and more importance.

## NANOSAFETY INCLUDES

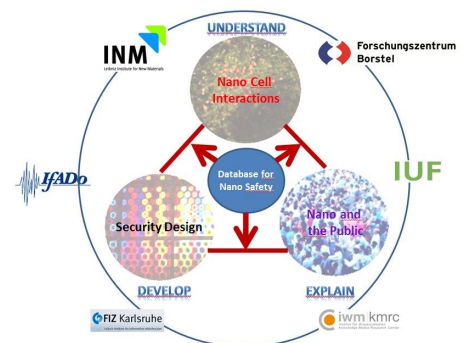
- a detailed knowledge on the materials as well as acquisition of their properties
- elucidation of the effects of nanomaterials on human beings, including detailed analyses on their mode of action and structure activity relationships
- assessment of the impact of nanomaterials on living organisms and the environment
- the detection, identification, and quantification of nano-materials in complex matrices, for example cells and tissues
- as well as standardisation, legislative, regulatory and social aspects.

We would like to invite you to discuss the state of the art, future needs, and developments in these fields in the “Nanosafety 2013” conference. “Nanosafety 2013” ([www.nanosafety2013.de](http://www.nanosafety2013.de)) will be held between November 20-22, 2013, in Saarbrücken, Germany.

Prof. Dr. Eduard Arzt, Dr. Annette Kraegeloh (Conference chairs)

## LEIBNIZ NETWORK „NANOSAFETY“

The Leibniz research network “Nanosafety” addresses safety-relevant questions that are provoked by nanomaterials or nano-products. In addition, security related topics are addressed that are enabled by such materials. The main questions can be summed up by the keywords *understand, develop, explain*. The research network is an association of six institutions, focusing on material science, health and toxicology, pneumology, the working environment, scientific databases, and the communication of knowledge.



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## PRELIMINARY PROGRAMME

### Wednesday, November 20, 2013

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- Session 1: Nanoobjects: Characterisation Techniques and Standardisation
- Session 2: Human Health: *In vitro*, *ex vivo* and *in vivo* Testing (Part 1)
- Session 3: Environmental Impact of Nanomaterials
- Poster Session A
- *Conference Dinner*

### Thursday, November 21, 2013

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- Session 4: Detection and Quantification of Nanoobjects in Living Systems
- Session 5: Modelling and Prediction of Nanomaterial Effects
- Session 6: Safety, Current Regulation and Social/Ethical Aspects
- Poster Session B
- Workshop A
- Workshop B

### Friday, November 22, 2013

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- Session 7: Human Health: *In vitro*, *ex vivo* and *in vivo* Testing (Part 2)
- Session 8: Presentation of the Workshops and Final Discussion
- *Optional offer: guided tours*

Please register online and/or submit your abstract via [www.nanosafety.de](http://www.nanosafety.de)!