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For more informationen scan this QR-Code with your smartphone:

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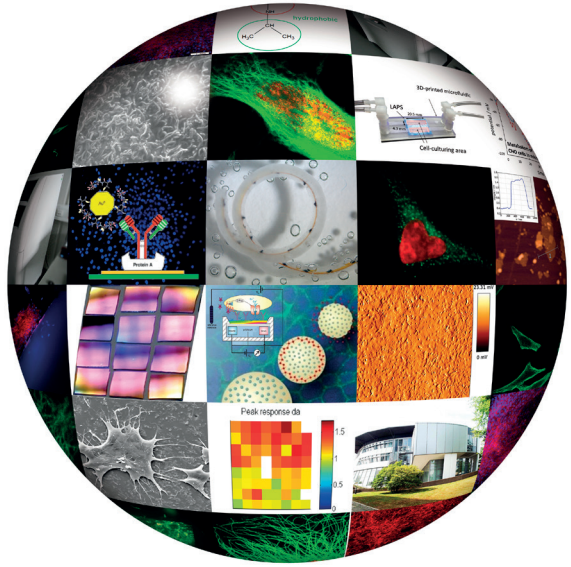
GMM VDE/VDI-GESELLSCHAFT MIKROELEKTRONIK, MIKROSYSTEM- UND FEINWERKTECHNIK

EnFI 2015

Engineering of Functional Interfaces



July 6 & 7, 2015

Hannover Medical School
enfi-2015.eu

SCOPE of the EnFI CONFERENCE

Modern medicine, engineering and information technology have one fact in common: They all rely on materials interfaces that provide additional functionalities. This holds not only for ceramic hip joints but equally well for biochemical sensors in bioreactors or nanoelectronic processors - just to name a few examples. However, each scientific discipline has its own sight on these interfaces, emphasizes one property more than others and, not iat last, its own scientific language and theoretical models. For young scientists who are working in these interdisciplinary, overlapping fields such as active prostheses, biochemical sensors or brain-computer interfaces this "Babylonic language confusion" is an extra burden to overcome.

The EnFI conference series has exactly this point in mind. EnFI serves with an exchange of perspectives where young researchers present their work in short oral presentations in the fields of sensors, medical implants, biocatalysis as well as technology and surface analytics. This way, they become familiar with a broad range of concepts, experimental methodologies and theoretical models. Ample time is reserved for the discussions at the posters markets, which will be stimulated by a competition for prestigious awards. As a framework for this, also carefully selected and internationally renowned speakers will deliver keynote lectures as solid introductions to their fields.

The Hannover Medical School, in cooperation with Leibniz University and the Veterinary School are proud to host EnFI in 2015, which is now running already in its 8th consecutive year.

The organizers invite you for this interdisciplinary exchange of ideas amongst PhD students and postdoctoral researchers aside of the established conferences. Furthermore, EnFI is a workshop of excellence, as routinely more than 35% of the contributions result directly in peer-reviewed journal publications. Moreover, the conference series has always rewarding elements which make EnFI a memorable event for all participants.

Hannover will continue this tradition with both an excellent selection of contributions and tutorials as well as a lively city to experience with its historic sites, leisure places and exciting social events.

We are looking forward to receive your contribution and welcome you as our guests!

TOPICAL SESSIONS

1. Bio/Chemical Sensors
2. Interfaces to Life Science and Medicine
3. Engineering on the Micro- and Nanoscale
4. Functional Organics: Surfaces and Molecules
5. Inorganic Films and Devices

TUTORIAL SPEAKERS

Antje Spieß, *RWTH Aachen* - **Enzymes and Catalysis on Interfaces**
Davide Ricci, *IIT, Genova* - **Brain Computer Interfaces**
Michael Tiemann, *University of Paderborn* - **Nanoporous Materials**
Martin Dienwiebel, *KIT Karlsruhe* - **Nanotribology for Engineering**
Joachim Knoch, *RWTH Aachen* - **Nanoelectronics**

(preliminary titles)

EnFI SCHOOL

Two special courses will be held on the preceeding Sunday July 5th, 16 - 18 hrs for interested students.

Track A:
Electrochemistry and Design Considerations of Electrodes
by Hannes Maier, H4A Cluster of Excellence, Hannover.

Track B:
Stimulation, Recording and Signal Analysis of Neural Tissue
by Simone Kurt, H4A Cluster of Excellence, Hannover.

Please pre-register on our website. If a minimum student number is reached you will be informed on further details.

ABSTRACT SUBMISSION

All participants, especially postdoctoral researchers and PhD students, are kindly invited to submit their abstracts before April 12, 2015 to:
enfi2015@mh-hannover.de.

The abstract template is available in download version on the conference website http://enfi-2015.eu. The abstracts will be reviewed by the Scientific Advisory Board and participants will be informed on acceptance of their contribution by May 4, 2015.

DATES & DEADLINES

Deadline abstracts	12.04.2015
Acceptance abstracts	04.05.2015
Early bird registration	24.05.2015
Conference	06. - 07.07.2015