



# GMe Forum 2008

Society for Micro- and Nanoelectronics

(Gesellschaft für Mikro- und  
Nanoelektronik)

Venue: Vienna University of Technology,  
"Festsaal" and "Boeckl-Saal"  
Karlsplatz 13  
1040 Vienna  
Austria

Time: Thursday, November 13 – Friday, November 14, 2008

## **Invited Speakers:**

- Introduction:
  - Prof. Dr. E. BERTAGNOLLI, Dean of the Faculty of Electrical Engineering and Information Technology, TU Vienna
- Sensors:
  - Prof. Dr. B. JAKOBY, Johannes Kepler-Universität Linz, Austria
  - Dr. H. BRÜCKL, Austrian Research Centers GmbH, Vienna, Austria
  - Prof. Dr. M. VELLEKOOP, Vienna University of Technology, Vienna, Austria (\*)
- Nanostructures and Nanotechnology:
  - Dr. M. MÜHLBERGER, PROFACTOR GmbH, Steyr, Austria
  - Prof. Dr. T. PICHLER, University of Vienna, Vienna, Austria
  - Prof. Dr. D. GRÜTZMACHER, Forschungszentrum Jülich GmbH, Jülich, Germany
- Novel Materials and Devices:
  - Prof. Dr. P. HADLEY, Graz University of Technology, Graz, Austria
  - Prof. Dr. L. FREY, Fraunhofer Institut für Integrierte Systeme und Bauelemente-technologie, Erlangen, Germany
  - Dr. S. ABERMANN, Vienna University of Technology, Vienna, Austria (\*)
  - DI M. BREHM, Johannes Kepler-Universität Linz, Austria (\*)
- Opto-Electronics and Photonics:
  - Dr. S. TASCH, Ledon Lighting, Jennersdorf, Austria
  - DI S. SCHARTNER, Vienna University of Technology, Vienna, Austria (\*)
- Spintronics:
  - Dr. A. BONANNI, Johannes Kepler-Universität Linz, Austria (\*)

(\*) Researchers supported by the GMe

## **Poster Presentation:**

Results achieved by the university institutes supported by the GMe

## Thursday, November 13, 2008

10:00 – 10:30	Welcome, Coffee
10:30 – 11:00	Opening (E. BERTAGNOLLI, K. UNTERRAINER) <b>Sensors:</b>
11:00 – 11:45	B. JAKOBY: <i>Miniaturized Sensors and Sensing Systems for Liquid Media</i>
11:45 – 12:30	H. BRÜCKL: <i>Magnetic Lab-on-a-Chip: Magnetic Nanoparticles for Biomedical Diagnostics</i>
12:30 – 14:00	Lunch Break <b>Nanostructures and Nanotechnology:</b>
14:00 – 14:45	M. MÜHLBERGER: <i>Nanoimprint Lithography</i>
14:45 – 15:30	T. PICHLER: <i>Tailoring Carbon Nanostructures: Unravelling the Electronic Properties of Low-Dimensional Quantum Solids</i>
15:30 – 16:00	Coffee Break
16:00 – 16:45	D. GRÜTZMACHER: <i>Novel Device Concepts and Strategies Basing on SiGe Nanostructures</i> <b>Novel Materials and Devices:</b>
16:45 – 17:30	P. HADLEY: <i>Solution-Processable Electronics</i>
17:30 – 17:45	Break
17:45 – 18:30	L. FREY: <i>Engineering of Dielectric Materials for Silicon Technology</i> <b>The Society for Micro- and Nanoelectronics (GMe):</b>
18:30 – 18:45	K. UNTERRAINER: <i>Presentation of the Activities of the GMe</i>

## Friday, November 14, 2008

### ***Opto-Electronics and Photonics:***

09:30 – 10:15 S. TASCH: *LEDs for General Purpose Lighting*

10:15 – 10:45 Coffee Break

10:45 – 11:15 S. SCHARTNER: *Photonic Engineering of Intersubband Devices*

### ***Sensors:***

11:15 – 11:45 M. VELLEKOOP: *Integrated Cell Analysis Devices*

### ***Spintronics:***

11:45 – 12:15 A. BONANNI: *Origin and Control of Ferromagnetism in Magnetically Doped Nitrides. The Case of (Ga,Fe)N*

12:15 – 14:00 Snacks and Poster Exhibition

### ***Novel Materials and Devices:***

14:00 – 14:30 S. ABERMANN: *New Materials and Devices for Future Generation CMOS Technologies*

14:30 – 15:00 M. BREHM: *Investigations on the Wetting Layer and the Island Nucleation in the SiGe System on Planar and Pre-Structured Si(001) Substrates*

## **Registration for the Forum:**

At the Web site of the GMe (<http://gme.tuwien.ac.at/>), or by e-mail to [gme@isas.tuwien.ac.at](mailto:gme@isas.tuwien.ac.at).

***We must have received your registration by Friday, November 7, 2008!***

## **More Information:**

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