



# GMe Forum 2013

Society for Micro- and Nanoelectronics

(Gesellschaft für Mikro- und  
Nanoelektronik)

Venue: Vienna University of Technology,  
Seminar Room Floragasse Ground Floor  
Floragasse 7  
1040 Vienna  
Austria

Time: Thursday, June 6 – Friday, June 7, 2013

## **Invited Speakers:**

- Optoelectronics:  
Dr. Günther TRÄNKLE, Ferdinand Braun-Institut Berlin, Leibniz-Institut für  
Höchstfrequenztechnik im Forschungsverbund Berlin e.V  
Prof. Dr. Stefan ROTTER, TU Wien
- Sensors:  
Prof. Dr. Martin EICKHOFF, Justus-Liebig-Universität Gießen  
Dr. Monika LEESTER-SCHÄDEL, TU Braunschweig
- Defect Investigation:  
Prof. Dr. Peter HADLEY, TU Graz
- Advanced Materials and Devices:  
Prof. Dr. Armando RASTELLI, JKU Linz  
Dr. Alois LUGSTEIN, TU Wien
- Power Electronics:  
Dr. Stefan ZERLAUTH, Infineon Technologies AG

## **Poster Presentation:**

Results achieved by the university institutes closely related to the GMe.

## Thursday, June 6, 2013

10:00 – 10:30 Welcome, Coffee

10:30 – 11:00 Opening

11:00 – 12:00 **Keynote:** G. TRÄNKLE (Ferdinand Braun-Institut Berlin): *Micro-integrated diode laser systems: New applications in communication, sensing and production*

### **Optoelectronics:**

12:00 – 12:45 S. ROTTER (TU Wien): *Controlling a laser by spatial variation of the pump profile*

12:45 – 14:00 Lunch Break

### **Sensors:**

14:00 – 14:45 M. EICKHOFF (Justus-Liebig-Universität Gießen): *Group III-Nitride Nanowires: Fundamental Properties and Application for Optochemical Nanosensors*

14:45 – 15:30 M. LEESTER-SCHÄDEL (TU Braunschweig): *Micro sensors for use in life science systems*

15:30 – 16:30 Poster Session & Coffee Break

### **Defect Investigation:**

16:30 – 17:15 P. HADLEY (TU Graz): *Defects in semiconductors investigated by EBIC and EDMR*

## Friday, June 7, 2013

### **Advanced Materials and Devices:**

10:00 – 10:45 A. RASTELLI (JKU Linz): *Strain-tunable optoelectronic devices*

10:45 – 11:15 Coffee Break

11:15 – 12:00 A. LUGSTEIN (TU Wien): *Si and Ge nanowires as building blocks for novel devices*

### **Power Electronics:**

12:00 – 12:45 S. ZERLAUTH (Infineon Technologies AG): *The Transition of Power Semiconductor to 300mm*

## **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).

## **More Information:**

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