

Scope

The 18th HeTech Workshop will follow the format of the previous workshops. It is intended to bring together young scientists, engineers and post graduate students working in the field of compound semiconductor and other heterogeneous technologies focusing on materials and devices for electronics, optoelectronics and sensing. As an example, novel material configurations and novel device concepts, like nano-wire devices and bio-chemical sensing are topics of increasing interest among others.

Venue

The Workshop will take place at the Conference Centre **Schloss Reisenburg**, a renaissance castle rebuilt into modern conference centre which is now a part of Ulm University. It is located near the town of Günzburg close to the city of Ulm, south Germany. Accommodation will be directly at the *Schloss Reisenburg*. The town of Günzburg has very convenient railway connections to the city of Ulm and to Stuttgart and Munich airports.



18th European Workshop on Heterostructure Technology

HeTech 2009



2-4 November 2009

**Ulm University Conference Centre
Schloss Reisenburg**

Günzburg / Ulm, Germany

Deadline for Abstract Submission:

14 July 2009

**Abstract submission after the deadline
is still feasible**

Late submissions will be approved individually

www.hetech2009.org

Invited Talks

Andreas Wieck (Ruhr-University Bochum, Germany)
"Lateral structures by implantation of focused ion beams in III-V semiconductors"

Oliver Williams (IAF Freiburg, Germany)
"Diamond Growth for MEMS applications "

Martin Eickhoff (University of Giessen , Germany)
"Group III-nitride nanostructures for chemical transducers "

Debdeep Jena (University of Notre Dame, USA)
"Graphene-based Devices "

Alexandros Georgakilas (FORTH, Greece)
"Progress in the heteroepitaxy of III-nitrides by plasma assisted MBE "

Peder Bergman (Linköping University, Sweden)
"SiC - a semiconductor for demanding automotive applications"

Thomas Bartnitzek (VIA electronic GmbH, Hermsdorf, Germany) *"Thermal management with LTCC-packages "*

Jannik Meyer (Ulm University, Germany)
"Graphene – Two-dimensional carbon at atomic resolution "

Daniel Kaeblein (Max-Planck Institute Stuttgart, Germany) *"Top-gate ZnO nanowire transistors with ultrathin organic gate dielectric "*

Local Organisation

Co-Chairs:

Dr.-Ing. A. Denisenko, University of Ulm

Prof. Dr.-Ing. E. Kohn, University of Ulm

Address:

University of Ulm, Inst. Electron Devices and Circuits
Albert-Einstein Allee 45,
89069 Ulm, Germany

Steering Committee

F. CALLE, Univ. Politecnica de Madrid (Spain)
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D. THERON, CNRS-IEMN (France)
G. VERZELLES, Univ. of Modena and Reggio E. (Italy)
K. ZEKENTES, FORTH (Greece).

Important Dates

July 14, 2009	Short abstract submission
July 24, 2009	Notification of paper acceptance
Aug. 31, 2009	Hotel reservation and conference registration
Sept. 28, 2009	Submission of extended abstract

Sponsors



Abstracts

A short abstract (up to one page text) must be submitted via the workshop website <http://www.hetech2009.org>, or alternatively to the HeTech e-mail address: hetech2009@uni-ulm.de. The extended deadline for the abstract submission is **July 14, 2009**. Notification of acceptance will be emailed by **July 24, 2009**. For an approved abstract, the author will be requested to submit a full paper of 2 pages by **Sept. 28, 2009**. The submitted papers will be included into the workshop proceeding.

Topics

Advanced material technologies

- wide bandgap materials and heterostructures
- III-V and narrow bandgap materials
- low-dimensional material structures
- materials for bio-sensing

Nano-device technology, patterning and packaging

- wide bandgap semiconductor power devices
- technologies for high temperature applications
- contact technology
- novel packaging technologies
- focused ion beam technology
- nano-wire device technology

Device applications

- wide band-gap devices
- harsh environment applications
- nano-photonics devices and systems
- micro- and nano-systems (MEMS and NEMS)
- bio-chemical and bio-medical applications

Registration fees

Students	180 €
Regular university	250 €
Regular industry	300 €

Registration fees include 3 breakfasts, 3 lunches and 3 dinners including the workshop banquet, all coffee-breaks and the workshop booklet. The information on registration will be provided at the Workshop website.

Accommodation

The guesthouse at the *Schloss Reisenburg* has been reserved for the workshop attendants starting from Nov. 1st noon until Nov. 5th noon (latest departure date). The guesthouse has 45 single rooms, 5 double rooms and 1 suite for 2 persons. The room rates are:

	rate /night
single room	54 €
double room	95 €, single occupancy: 64 €
suite	116 €, single occupancy: 72 €

Room request for any period between Nov. 1st to 5th must be sent to the organisers by **Aug. 14**. Notification about the room assignment will be confirmed by e-mail. Credit cards (EC, Visa, Master) are accepted at the place. Extra rooms can be available at local hotels in the town of Günzburg.