

This event is co-located by **KSOP**  
Karlsruhe School of Optics & Photonics

See here for more information [www.ksop.de](http://www.ksop.de)

### Helmholtz Day of Teratronics

KIT Campus South  
International Department des  
Karlsruher Instituts für Technologie gGmbH  
HECTOR Auditorium 02.95  
Schlossplatz 19 | 76131 Karlsruhe

Organization Helmholtz Day of Teratronics  
Ms. Miriam Sonnenbichler | Graduate Office

### Karlsruhe Institute of Technology (KIT)

#### Helmholtz International Research School for Teratronics (HIRST)

Schlossplatz 19  
76131 Karlsruhe | Germany  
Phone: +49 (0)721-608-47687  
Fax: +49 (0)721-608-47882  
E-mail: [miriam.sonnenbichler@kit.edu](mailto:miriam.sonnenbichler@kit.edu)



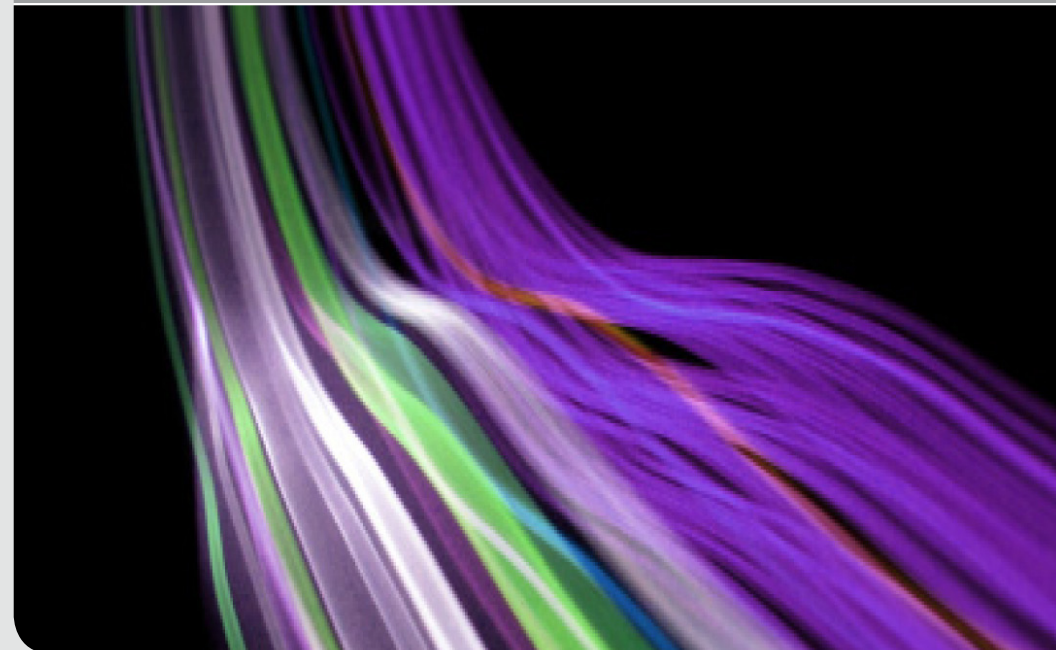
[www.teratronics.kit.edu](http://www.teratronics.kit.edu)



# Helmholtz Day of Teratronics

March 7, 2014

Helmholtz International Research School for Teratronics



## Symposium Helmholtz Day of Teratronics



Friday, March 7, 2014

9 a.m. - 4.30 p.m.

Please join us for a one-day conference on teratronics and high-speed electronics and take the opportunity to interact with internationally renowned experts in this field. The Helmholtz Day of Teratronics (HDOT) is a vital part of the Helmholtz International Research School for Teratronics (HIRST) and will foster the personal interaction and exchange of knowledge and ideas between graduate students, postgraduates and senior scientists from both academia and industry.

You will have the chance to listen to the talk of Henri Komrij, general manager of the Performance Network Analyzer (PNA) division at Agilent Technologies. Furthermore, there will be talks by Wolfgang Heinrich, head of the microwave department and deputy director of the Ferdinand Braun Institute in Berlin, and

by Ingmar Kallfass, head of the Institute of Robust Power Semiconductor Systems at the University of Stuttgart, and one of the founding members of HIRST.

You will learn about breathtaking discoveries, latest technological developments, and current market trends in the fields of millimeter-wave and terahertz electronics and high-speed measurement equipment. It is the coexistence, the intense exchange, and the creative cross fertilization of basic and applied research in an international environment which we consider as a key success factor of HIRST.

Enjoy with us the fascinating world of teratronics during this day!

**Register online until March 2, 2014**

[http://www.teratronics.kit.edu/helmholtz\\_day\\_teratronics.php](http://www.teratronics.kit.edu/helmholtz_day_teratronics.php)



- **9.00 a.m.**      **Get-together**
  
- **9.15 a.m.**      **Welcome and Introduction**  
 Prof. Dr.-Ing. Christian Koos  
 Head of Institute of Photonics and Quantum Electronics,  
 Institute of Microstructure Technology  
 Karlsruhe Institute of Technology (KIT)
  
- **9.30 a.m.**      **Key Note:**  
**New Approaches towards THz Electronics -  
 from Heterointegration to Plasmonics**  
 Prof. Dr.-Ing. Wolfgang Heinrich  
 Ferdinand Braun Institut
  
- **10.30 a.m.**      **Scientific Talk I:**  
**Active Integrated Circuits for Terahertz Communication**  
 Prof. Dr.-Ing. Ingmar Kallfass  
 University of Stuttgart
  
- **11.30 a.m.**      Coffee Break
  
- **11.45 a.m.**      **Speed Poster Presentation**  
 HIRST PhD Students
  
- **12.45 p.m.**      **Lunch Break**
  
- **2.00 p.m.**      **Poster Session & Coffee Break**
  
- **3.00 p.m.**      **Scientific Talk II:**  
**New Developments in MM-Wave and Thz;  
 Markets, Technologies and Measurements**  
 Henri Komrij  
 General Manager, Performance Network Analyzers  
 Agilent Technologies Component Test Division, USA
  
- **4.00 p.m.**      **Farewell**  
 Prof. Dr.-Ing. Christian Koos