

# ITG WORKSHOP: Vacuum Electronics 2016

organized by ITG-Fachausschuss 8.6 „Vacuum Electronics and Displays“



**ITG**  
**Information Technology**  
**Society within VDE**

September 8 - 9, 2016 in Bad Honnef, Germany

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## Call for Papers

**The 5<sup>th</sup> ITG International Vacuum Electronics Workshop 2016**

**September 8 - 9, 2016**

**Physikzentrum, Bad Honnef, Germany**

([www.pbh.de](http://www.pbh.de))

### **Topics of the Conference**

New developments and applications of vacuum electronic devices as well as materials, technologies and manufacturing techniques such as:

- Vacuum Electronic and Discharge Devices and their Applications
- Technologies and Production Processes in Vacuum Electronics

### **SCHEDULE**

**Deadline for Submission of Abstracts**

**May 13, 2016**

**Notification of Acceptance**

**June 17, 2016**

**Deadline for Registration and Payment**

**July 29, 2016**

**Submission of Presentations in .pdf format  
for the Electronic Proceedings**

**September 8, 2016**

The latest information on the conference and the final program can be found at the Web Site [http://www.ihe.kit.edu/kooperationen\\_itg.php](http://www.ihe.kit.edu/kooperationen_itg.php)

**Submitted papers should include but are not limited to the following areas of interest:**

### **Vacuum Electronic and Discharge Devices and their Applications**

- ♦ Microwave Tubes
- ♦ Grid Controlled Tubes
- ♦ Vacuum Microelectronic and Nanoelectronic Devices
- ♦ Picture Tubes and Image Intensifiers
- ♦ X-Ray Tubes
- ♦ Vacuum Interrupters and Spark Gaps
- ♦ Pseudospark Devices
- ♦ Vacuum Arc Ion Sources
- ♦ High Current Diodes
- ♦ Pulsed Power Switching
- ♦ Gas Lasers and Gas Discharge Tubes
- ♦ Electric Space Propulsion

### **Technologies and Production Processes in Vacuum Electronics**

- ♦ Laser-, Electron-Beam-, Ion-Beam- and Plasma Processing Systems
- ♦ Surface Treatment, Evacuation and Getters
- ♦ Interconnection and Assembly Techniques
- ♦ Vacuum-Microelectronics and Vacuum-Nanoelectronics Technologies
- ♦ Electron Sources and Electron Emission

The paper should be suitable for **20 minutes of oral presentation**. Poster presentations are welcome. The conference language is English.

**One-page abstracts** should be submitted as .pdf-file electronically to the Conference Chairman **not later than May 13, 2016**. Please indicate if you prefer a poster presentation.

#### **Conference Chairman:**

Dr.-Ing. Wolfram Knapp  
Otto-von-Guericke-Universität Magdeburg  
FMB / IFQ / Beschichtungstechnik  
Universitätsplatz 2  
39106 Magdeburg, Germany  
Tel.: +49 (0)391 6752505  
Fax: +49 (0)391 6718109

E-mail: [wolfram.knapp@ovgu.de](mailto:wolfram.knapp@ovgu.de)

#### **Vice Chairman:**

Prof. Dr. Dr. h.c. Manfred Thumm  
Karlsruher Institut für Technologie (KIT)  
Institut für Hochleistungsimpuls- und  
Mikrowellentechnik (IHM)  
Hermann-von-Helmholtz-Platz 1  
76344 Eggenstein-Leopoldshafen, Germany  
Tel.: +49 (0)721 608-23630  
Fax.: +49 (0)721 608-24874

E-mail: [manfred.thumm@kit.edu](mailto:manfred.thumm@kit.edu)

The Program Committee will decide on the selection of papers and posters and will notify the authors by **June 17, 2016**. In case of acceptance, the authors are requested to prepare their contributions in **.pdf format** for publication in the electronic proceedings. Files shall be handed over at the workshop in Bad Honnef by **September 8, 2016**.

**Information Technology Society (ITG) within VDE**  
**Managing Director: Dr.-Ing. V. Schanz**  
**Stresemannallee 15, D-60596 Frankfurt am Main, Germany**  
**Tel. +49 69 6308 360, Fax +49 69 9631 5233, E-mail: [itg@vde.com](mailto:itg@vde.com)**