

# ITG WORKSHOP: Vacuum Electronics 2022

organized by ITG-Fachausschuss MN 6 „Vacuum Electronics and Displays“



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

Physikzentrum Bad Honnef, Germany  
D-53604 Bad Honnef, Hauptstraße 5

September 1 - 3, 2022 in Bad Honnef, Germany

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## Call for Papers

**The 8<sup>th</sup> ITG International Vacuum Electronics Workshop (IVEW) 2022**

**September 1 - 3, 2022**

**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

<b>Deadline for Submission of Abstracts</b>	<b>May 16, 2022</b>
<b>Notification of Acceptance</b>	<b>June 10, 2022</b>
<b>Deadline for Registration <u>and</u> Payment</b>	<b>July 22, 2022</b>
<b>Submission of Presentations in .pdf format for the Electronic Proceedings</b>	<b>September 1, 2022</b>

Files (**abstracts and presentations**) shall be sent electronically. See abstract template (**sample paper abstract**) on Web Site.

The latest information on the conference and the final program can be found at the Web Site [http://www.ihm.kit.edu/VDE-ITG\\_FA\\_MN6.php](http://www.ihm.kit.edu/VDE-ITG_FA_MN6.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 Chairmen **not later than May 16, 2022**. Please indicate if you prefer a poster presentation.

<b>Conference Chairman:</b> Dr.-Ing. Wolfram Knapp Knapptron GmbH Vakumelektronik Privatweg 3 39291 Möser, Germany  Tel.: +49 (0)39222 4067  E-mail: <a href="mailto:dr.who.knapp@t-online.de">dr.who.knapp@t-online.de</a>	<b>Vice Chairman:</b> 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: <a href="mailto:manfred.thumm@kit.edu">manfred.thumm@kit.edu</a>
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The Program Committee will decide on the selection of papers and posters and will notify the authors by **June 10, 2022**. 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 1, 2022**.

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