

ITG WORKSHOP: Vacuum Electronics 2024

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

August 28 - 30, 2024 in Bad Honnef, Germany

Call for Papers

The 9th ITG International Vacuum Electronics Workshop (IVEW) 2024

August 28 - 30, 2024

Physikzentrum, Bad Honnef, Germany

(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 6, 2024
Notification of Acceptance	June 10, 2024
Deadline for Registration <u>and</u> Payment	July 19, 2024
Submission of Presentations in .pdf format for the Electronic Proceedings	August 29, 2024

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

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 6, 2024**. Please indicate if you prefer a poster presentation.

Conference Chairman: Dr.-Ing. Wolfram Knapp Knappton GmbH Vakumelektronik Privatweg 3 39291 Möser, Germany Tel.: +49 (0)39222 4067 E-mail: dr.who.knapp@t-online.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
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The Program Committee will decide on the selection of papers and posters and will notify the authors by **June 10, 2024**. 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 **August 29, 2024**.

Information Technology Society (ITG) within VDE
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