

Call for Papers

10th VDE ITG International Vacuum Electronics Workshop (IVEW) 2026 and 16th International Vacuum Electron Sources Conference (IVeSC) 2026

August 26 - 29, 2026, Bad Honnef, Germany



©Lukas Eschment; Physikzentrum Bad Honnef

Organized and managed by:

VDE ITG Fachausschuss MN 6
„Vacuum Electronics and
Displays“ and the European
Steering Committee of IVeSC

Managing Director:

Information Technology
Society (ITG) within VDE

Dr.-Ing. Damian Dudek

E-mail: itg@vde.com

Venue

Physikzentrum Bad Honnef (www.pbh.de), Hauptstraße 5, D-53604 Bad Honnef, Germany

Topics of the Conference

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

- **Electron Emission Phenomena and Modelling**
- **Vacuum Electronic and Discharge Devices and their Applications**
- **Technologies and Production Processes in Vacuum Electronics**

Schedule

Deadline for Submission of Abstracts	May 6, 2026
Notification of Acceptance	June 10, 2026
Deadline for Registration and Payment	July 17, 2026
Submission of Presentations in .pdf format for the Electronic Proceedings	August 26, 2026

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 https://www.ihm.kit.edu/VDE-ITG_FA_MN6.php

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

Electron Emission Phenomena and Modelling

- Thermionic and Field Emission
- Secondary Electron Emission
- Photo and Ferroelectric Emission
- Emission from Carbon
- Wide Bandgap Materials
- NEA/LEA Materials
- Hollow Cathodes for Ion Thrusters
- Gas Discharge Electrodes (lamps & lighting triple oxides, thoriated tungsten alternatives, electric propulsion)

Vacuum Electronic and Discharge Devices and their Applications

- Microwave Tubes (TWTs, Klystrons, Gyrotrons, Fast-Wave Devices ...)
- Grid Controlled Tubes
- Vacuum Microelectronic and Nanoelectronic Devices
- Picture Tubes and Image Intensifiers
- X-Ray Tubes
- Pseudospark Devices
- Vacuum Arc Ion Sources
- High Current Diodes
- Pulsed Power Switching
- Gas Lasers and Gas Discharge Tubes
- Electric Space Propulsion
- Vacuum Interrupters and Spark Gaps

Technologies and Production Processes in Vacuum Electronics

- Laser-, Electron-Beam-, Ion-Beam- and Plasma Processing Systems
- Surface Analytics, Treatment, Evacuation and Getters
- Interconnection and Assembly Techniques
- Vacuum-Microelectronics and Vacuum-Nanoelectronics Technologies
- Cathode (production) Technologies, Materials and Characterization

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 Dr. W. Knapp, to Prof. Dr. M. Thumm and to Dr. A. Gallissian giving a preference for **IVEW or IVeSC, not later than May 6, 2026**. Please indicate if you prefer a poster presentation.

Contact Conference Chairs

IVEW Chair:	IVEW Vice Chair:	IVeSC Chair:
Dr.-Ing. Wolfram Knapp Knapptron GmbH Vakuumelektronik Privatweg 3 39291 Möser, Germany Tel.: +49 (0)39222-4067 E-mail: dr.who.knapp@t-online.de	Prof. Dr. Dr. h.c. mult. 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 E-mail: manfred.thumm@kit.edu	Dr. Alice Gallissian Thales AVS FR 2 Rue Marcel Dassault BP 23 78141 Vélizy-Villacoublay Cedex, France Tel.: +33 (0)7 85 80 07 48 E-mail: alice.gallissian@thalesgroup.com

Website

https://www.ihm.kit.edu/VDE-ITG_FA_MN6.php