



ISDEIV 2027

The 32nd International Symposium on
Discharges and Electrical Insulation in Vacuum

CALL FOR PAPERS

ABOUT ISDEIV

The International Symposium on Discharges and Electrical Insulation in Vacuum (ISDEIV) is a non-profit, international forum whose purpose is to encourage the advancement of the science and application of electrical insulation and discharges in vacuum, primarily by conducting symposia for the exchange of scientific information.

The Symposium is held biennially, that includes interdisciplinary meetings for the exchange of results, presentation of progress, and discussion of ideas and challenges for the future of electrical discharges and insulation in vacuum. Both fundamental and applied aspects are covered. Symposium program consists of invited talks, invited oral contributions, and posters. Minicourses and informal discussions on relevant topics may also be offered in addition to the regular symposium schedule.

The 32nd ISDEIV will be held at TU Braunschweig, Germany, from Sept. 12th to 17th, 2027.

12.–17.9.2027
Braunschweig,
Germany

VENUE

Audimax TU Braunschweig
Universitätsplatz 3,
38106 Braunschweig

CONTACT

**Contact the organizing
committee directly:**
contact@isdeiv2027.org

**More information on
our website:**
<https://isdeiv2027.org>





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MAIN TOPICS

A: BREAKDOWN AND FLASHOVER

- A1. Vacuum breakdown and pre-breakdown phenomena
- A2. Surface discharges and flashover phenomena

B: VACUUM ARCS

- B1. Switching in vacuum and related phenomena
- B2. Interaction of vacuum arcs with magnetic fields
- B3. Vacuum arc physics
- B4. Computer modeling and computer aided design
- B5. Pulsed power physics and technology

C: APPLICATIONS

- C1. Vacuum interrupters and their applications
- C2. Surface science and modification and related technologies
- C3. Electron, ion, neutron, X-ray and other beam and light sources
- C4. Accelerator and fusion reactor related issues
- C5. Space related technologies
- C6. Vacuum microelectronics and their applications

Submissions on further related topics are welcome.

IMPORTANT DATES

1.10.2026

1st Call for Papers

15.1.2027

Abstract Submission Deadline

25.2.2027

Abstract Decision Notification

14.5.2027

Paper Submission Deadline

18.6.2027

Paper Decision Notification

9.7.2027

Revised Paper Submission
Deadline

12.–17.9.2027

Conference

PERMANENT INTERNATIONAL SCIENTIFIC COMMITTEE – *PISC*

Michael KURRAT, Germany, (*Chairman*)

Alexander BATRAKOV, Russia, (*Vice Chairman*)

Sandeep KULKARNI, India, (*Secretary*)

Matthew M. HOPKINS, USA, (*Treasurer*)

René P.P. SMEETS, Netherlands,
(*Chairman f Awards Committee*)

LOCAL ORGANIZING COMMITTEE – *LOC*

Michael KURRAT, TU Braunschweig, (*Chairman*)

Marius HINZ, TU Braunschweig,
(*Vice Chairman*)

Kai SCHULZE, TU Braunschweig,
(*Executive Chairman/ Secretary*)

Nils Wilm ROSEBROCK,
TU Braunschweig, (*Publication*)

Fabian SCHOLZ, TU Braunschweig, (*IT*)



For the other members and more information please
visit our website (<https://isdeiv2027.org/commitee/>)





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ABOUT BRAUNSCHWEIG

A city with a rich history, boasting the unique charm of a vibrant downtown and green recreational oases. First mentioned in historical records in 1031, Braunschweig today counts a population of around 250,000. The “City of Lions” owes its current profile to its history, its steady development as a dynamic economic and commercial hub, its wide range of cultural offerings, and its research and scientific community.

The Braunschweig region has one of the highest “density of researchers” in Europe. More than 19,000 people are employed within the institutions of ForschungRegion. With a multitude of internationally renowned research institutions, the Braunschweig region possesses a high science-based innovation potential.

As hosting location, the TU Braunschweig, which was founded over 280 years ago, is naturally part of the ForschungRegion. The TU Braunschweig is one of the leading technical universities in Germany. Key research areas in Braunschweig include mobility, Engineering of health, Future city and metrology and features over 100 years of research in electrical engineering and high voltage technology.

