

ISDEIV-2025

21st- 26th Sep. 2025

Chengdu, China



First Call For Paper

◆ 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 (even-numbered years), 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.

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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. Modeling and simulation
- 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

D:OTHERS

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◆ Important Dates

- Abstract Submission: 30/06/2024 - 10/01/2025
- Full-paper Submission: 01/03/2025 - 31/05/2025
- Full-paper Acceptance: 10/07/2025
- Conference: 21/09/2025 - 26/09/2025

◆ Venue

The Conference Hall of the Advanced Materials Building in Wangjiang Campus of Sichuan University
Addr: 24# 1st Ring, Wuhou District, Chengdu, 610065, PRC.



Welcome to Chengdu, China

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◆ Contact

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◆ About the City - Chengdu

- Chengdu, the provincial capital of Sichuan, is located in Chengdu plain in the center of Sichuan basin in Southwest China. With an area of 12,100 square kilometers and a permanent population of 16.98 million, Chengdu is the fourth most populous city in China. With humid subtropical climate and flat lands, Chengdu possesses diversified natural environment and abundant resources. It has been referred as the **Land of Abundance** since ancient times.
- With a civilization of 4500 years and a city history of 3100 years, Chengdu is the only city in China whose name and location has never been changed throughout the ages.
- Among cities in central and western China, Chengdu ranks No.1 in the number of foreign consulates and international air routes. A 144 hour visa-free policy has been implemented for eligible travelers from 53 countries.
- Chengdu is the first **City of Gastronomy in Asia** conferred by UNESCO. The famous Sichuan cuisine expands worldwide.
- Enjoying comfortable climate, fine ecosystem, and rich tourism resource, Chengdu is neighbor to some of the world natural heritages and attractions like the giant panda habitat, Nine-village Valley and Huanglong scenic area, and has been entitled **Top 10 Best Tourist Destination** in China by UNWTO.



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