

# ISDEIV-2025

21<sup>st</sup> - 26<sup>th</sup> Sep. 2025

Chengdu, China



## 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.

All the registered and PRESENTED papers will be included in an IEEE Xplore collection (EI Index), and recommended to submit to an IEEE TPS Special Issue.

### ◆ Permanent International Scientific Committee- PISC

- Shenli JIA, P.R. China, (Chairman)
- Alexander BATRAKOV, Russia, (Vice Chairman)
- Michael KURRAT, Germany, (Secretary)
- Matthew M. HOPKINS, USA
- René P.P. SMEETS, The Netherlands
- André ANDERS, Germany, USA
- Raymond L. BOXMAN, Israel
- Antonio DE LORENZI, Italy
- Flyura DJURABEKOVA, Finland
- Edgar DULLNI, Germany

- Leslie T. FALKINGHAM, United Kingdom
- Eiji KANEKO, Japan
- Sandeep KULKARNI, India
- Akiko KUMADA, Japan
- H. Craig MILLER, USA
- Irina POLUYANOVA, Russia
- Sergey SHKOL'NIK, Russia
- Dirk UHRLANDT, Germany
- Satoru YANABU, Japan (P.R. China)
- Jiyan ZOU, P.R. China
- Davide FABIANI: IEEE DEIS

### ◆ 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

.....

### ◆ Venue

Tianfu International Convention Center (天府国际会议中心)

Address: No. 3333, Shuzhou Road, Tianfu New Area, Chengdu, PRC.





# Welcome to Chengdu, China

# ISDEIV-2025

21<sup>st</sup> - 26<sup>th</sup> Sep. 2025

## ◆ The Local Organizing Committee - LOC

Shenli Jia (Chairman)	Sichuan University	Guanjun Zhang	Xi'an Jiaotong University
Zongqian Shi (Vice Chairman)	Xi'an Jiaotong University	Xiaoming Liu	Hebei University of Technology
Xiaolong Huang (Executive Chairman / Secretary)	Sichuan University	Yong Wang	China Southern Power Grid
Wenjun Ning (Publication)	Sichuan University	Tao Shao	Chinese Academy of Sciences
Longwen Wu (IT)	Sichuan University	Guangning Wu	Southwest Jiaotong University
Jiyan Zou	Dalian University of Technology	Junjia He	Huazhong University of Science and Technology
Xianyong Xiao	Sichuan University	Meng Wang	China Academy of Engineering Physics
Lijun Jin	Tongji University	Jiaying Zhong	China Electrical Equipment Group Co., Ltd.
Jianwen Wu	Beihang University	Junping Chen	Chengdu Xuguang Eletronics Co.,Ltd.
		Saikang Shen	Sichuan University

## ◆ Important Dates

**Abstract Submission:** 30/06/2024 - ~~10/01/2025~~  
Extended to 10/02/2025

**Full-paper Submission:** 01/03/2025 - 31/05/2025  
Extended to 15/06/2025

**Full-paper Acceptance:** 10/07/2025

**Conference:** 21/09/2025 - 26/09/2025

## ◆ Contact

Website: <https://isdeiv2025.org/>  
Contact: Dr. Xiaolong Huang (Secretary)  
Email: [info@isdeiv2025.org](mailto:info@isdeiv2025.org) , or [xlhuang@scu.edu.cn](mailto:xlhuang@scu.edu.cn)  
Phone: +86 -18380161005

## ◆ About the City - Chengdu

- Chengdu, the provincial capital of Sichuan, is 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.
- Among cities in central and western China, Chengdu ranks No.1 in the number of foreign consulates and international air routes. A 240-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.



Hosted University



IEEE



Technical Sponsor