



22nd International Symposium on High Voltage Engineering

The 2021 International Symposium on High Voltage Engineering (ISH) is the 22nd meeting of this conference series. High voltage engineering is extremely important for the reliable design, safe manufacture and operation of electrical devices, equipment and electric power systems. ISH 2021 will provide an excellent forum to present results, advances and discussions among engineers, researchers and scientists, and share ideas, knowledge and expertise on high voltage engineering. At ISH 2021, the tradition will meet the challenges of the twenty-first century such as HVDC transmission, distribution generations, smartening of power networks, and integration of renewable energies, etc.

The ISH series was founded by Professor Hans Prinz in 1972. The symposia have been successfully held in Munich, Germany (1972), Zurich, Switzerland (1975), Milan, Italy (1979), Athens, Greece (1983), Braunschweig, Germany (1987), New Orleans, USA (1989), Dresden, Germany (1991), Yokohama, Japan (1993), Graz, Austria (1995), Montreal, Canada (1997), London, United Kingdom (1999), Bangalore, India (2001), Delft, Netherlands (2003), Beijing, China (2005), Ljubljana, Slovenia (2007), Cape Town, South Africa (2009), Hannover, Germany (2011), Seoul, South Korea (2013), Pilsen, Czech (2015), Buenos Aires, Argentina (2017), and Budapest, Hungary (2019).

ISH 2021 will be sponsored by Xi'an Jiaotong University, State Key Laboratory of Electrical Insulation and Power Equipment, China Electrotechnical Society, China Society for Electrical Engineering and Cigré. It is our honor and pleasure to invite you to participate in the forthcoming International Symposium on High Voltage Engineering to be held in Xi'an, China, from 25-29th September 2021.

Best Paper Awards

Prizes of \$500USD each will be awarded to the 15 (8 oral

and 7 poster) best papers of the Conference. To be eligible for consideration, the papers must be orally or poster presented by the first author who is a full-time graduate student.

International Steering Committee

| | |
|-----------------------------|-----------------------------|
| Babuder, M. (Slovenia) | Mosch, W. (Germany) |
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| Li, S. T. (China) | Waters, R. (United Kingdom) |

Paper submission

The authors are invited to submit an electronic version of papers via the conference website:

[http:// www.ish2021.org](http://www.ish2021.org).

The official language of the conference is English.

Contact us:

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Conference Date: September 25-29th, 2021

Venue: Xi'an Qujiang International Convention Center, China
15 Huxin Road, Xi'an, 710061, China

Scope

The scope of ISH 2021 includes, but is not limited to the following areas:

- Electromagnetic fields: computation, measurements, environmental effects
- Transient voltages: lightning, switching, repetitive impulses, surge arresters, insulation coordination, over-voltage protection, EMC
- High voltage and high current testing techniques: test procedures, measurements, evaluation, partial discharges, space charges, dielectric characteristics, emerging test techniques
- Advanced materials and insulation systems: outdoor, indoor, solid, liquid and gas insulated, nanodielectrics, eco-friendly and other new materials, novel insulation system
- Monitoring and diagnostics: intelligent sensing, big data, artificial intelligence, asset management, live-line working, maintenance and repair, safety considerations
- HVDC technologies and systems: design problems, testing and measuring techniques, advanced HVDC systems
- High voltage engineering problems in future power grids: distribution generations, smartening of power networks, and integration of renewable energies
- Industrial applications of high voltage: non-energy applications in different fields
- Other related issues

Deadlines

| | |
|--------------------------------------|---------------|
| Receipt of 500-word abstract: | 15 March 2021 |
| Provisional acceptance notification: | 15 April 2021 |
| Receipt of full papers: | 15 June 2021 |
| Notification of final acceptance: | 15 July 2021 |

Authors may request early notification of final acceptance so to have sufficient time for making travel arrangement. Please contact ISH Secretariat.

Registration

| Category | Early Registration (before 20 June 2021) | Registration (after 20 June, 2021) |
|---------------------|---|---------------------------------------|
| Regular | 750USD | 850USD |
| Student | 400USD | 500USD |
| Accompanying person | 200USD | 200USD |

Committees

General Chair: Li, Shengtao, Xi'an Jiaotong University, China
Vice Chair: Zhang, Guanjun, Xi'an Jiaotong University, China
Vice Chair: Gao, Keli, China Electric Power Research Institute, China
Vice Chair: Fu, Mingli, Electric Power Research Institute, CSG, China
Vice Chair: Wang, Jiansheng, Xi'an High Voltage Apparatus Research Institute Co., Ltd., China
General Secretary: Min, Daomin, Xi'an Jiaotong University, China

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Call for Papers
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Sponsored By:



Xi'an Jiaotong University
State Key Laboratory of Electrical Insulation and Power Equipment



China Electrotechnical Society
Engineering Dielectrics Technical Committee



China Society for Electrical Engineering



The International Council on Large Electric Systems