

## Invitation

The first ISEIM was held in Tokyo in 1995, followed by Toyohashi, Himeji, Kitakyushu, Yokkaichi, Kyoto, Niigata, and Toyohashi again, all in Japan. The 9<sup>th</sup> symposium will back to Tokyo, the capital of Japan where serves as a host for 2020 Olympic and Paralympic Games. On the other hand, Tokyo breathes with the tradition of four hundred years since the Edo period, and never stops and embraces the future.

The conference venue is Waseda University, located in Shinjuku area, where Tokyo's urban junctions are concentrated. With several train lines running through it, this area is ideal not only for academic meetings but also for shopping, sightseeing and leisure.

## Main Topics

Main topics are followings, but not limited.

- A Space charge, surface and interfacial phenomena
- B Electrical properties of dielectrics and measurement and testing techniques
- C Nanotechnology for dielectrics
- D Inorganic and functional dielectric materials
- E Organic thin films and electronics
- F Dielectric materials for electronics and telecommunication
- G Dielectric properties of biological objects and biodielectronics
- H Dielectric phenomena under inverter surges
- I Partial discharge
- J Asset management for dielectrics applied apparatus
- K Insulation design, reliability, aging and degradation, their detection and monitoring
- L Polymeric insulators and outdoor insulation
- M Eco-friendly dielectric materials and recycling
- N Electrical insulation phenomena and charging under cosmic and radiological environment
- O Electrical insulation for power electronics devices
- P Computational techniques for dielectrics
- Q Collaborate work with industries and universities
- R Novel technologies for dielectrics

## ISEIM 2020 Organization:

### Honorary Chair

Y. Ohki (Waseda University)

### General Chair

N. Hayakawa (Nagoya University)

### Special Advisor

N. Hozumi (Toyohashi University of Technology)

M. Ikeda (Nuclear Regulation Agency)

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H. Nishikawa (Shibaura Institute of Technology)

### Vice Chair in Charge of Treasury

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### Vice Chair in Charge of Local Arrangement

N. Hirai (Waseda University)

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### International Advisory Committee

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G. Chen (UK)

Y. Cao (USA)

Y. Ohki (Japan)

M. Hikita (Japan)

N. Hozumi (Japan)

### Local arrangement Committee

Chair: N. Hirai (Waseda University)

### Secretariat

N. Fuse (CRIEPI)

### Contacts:

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# 2020 International Symposium on Electrical Insulating Materials (ISEIM 2020)

September 13-17, 2020  
Waseda University,  
Tokyo, Japan

# First Call for Papers

Sponsored by:

IEEJ Technical Committee on Dielectrics and  
Electrical Insulation

Technically co-sponsored by:

IEEE Dielectrics and Electrical Insulation Society

Co-sponsored by:

Kagami Memorial Research Institute for Materials  
Science and Technology, Waseda University

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## Inuishi Memorial Lecture

The Inuishi Memorial Lecture Award is named after Prof. Y. Inuishi who is one of the great pioneers in the research field of dielectrics and electrical insulation in Japan. The symposium opens every three years with the lecture and it is the keynote session of the symposium.

The 2020 Inuishi Memorial Lecture will be given by Emeritus Prof. Leonard Dissado of University of Leicester. Emeritus Prof. Dissado is very well known as one of the leading experts in the field of dielectrics and electrical insulation for a long time, and has been a visiting professor at the University Pierre and Marie Curie in Paris, Paul Sabatier University in Toulouse, and Nagoya University in Japan. Emeritus Prof. Dissado will give us his Inuishi Memorial Lecture based on his long and rich experience.



## MVP (Mutual Visiting type Poster) Session

This session aims to encourage and improve the presentation and discussion abilities of attendees, and give a chance to discuss other poster presentations. Attendees are required to present their poster not only to the attendees who do not present in the session but also to the other presenters of the session. All the attendees of the MVP session that is all the presenters of the MVP session have rights of voting the good presentation, definite replay in discussion, and beautiful poster. The excellent presenter(s) will be awarded in the banquet.

## SS (Industry) Session

This industry session had been held in the previous domestic and international symposiums. They were received broad attention very well and many Japanese companies in this field want to participate in. The aim is to make opportunities for companies to introduce their developed and developing technologies and products to attendee especially young researchers such as university students and graduate students. It must be a good opportunity to introduce your company.

## Japan-Korea Young Researcher Exchange Program

TC-DEI both in Japan and Korea have started new exchange program for young researchers. Winners are selected from domestic annual conferences in both countries, and get a chance to have presentation under the financial aid.

## Special sessions (under planning)

As the previous editions of ISEIM, ISEIM2020 will have some special sessions such as:

- Analysis for polymeric insulating materials using advanced numerical simulation.
  - Evaluation of electrical insulating properties of converter-fed motors
  - Demonstrative session on insulation diagnostic technology for electric power apparatus
  - Demonstrative session on high temperature PEA technology
  - Electrical insulating properties of packaging materials
- Details will be announced on the conference web site later.



Shinjuku subcenter area with Mt. Fuji



TOKYO SKYTREE®, the world's tallest free-standing broadcasting tower.

## Language

The working language of the symposium is English. All printed matter will appear in English.

## Submission of Papers

You are invited to submit an abstract of about 300 words by Jan. 24, 2020. The abstract submission form is available on the symposium website. Acceptance notices will be sent to corresponding authors by the middle of March, 2020. The authors of accepted papers will be requested to electronically submit paper manuscripts by May 29, 2020. More information on the manuscript submission will be provided on the ISEIM 2020 web site. Accepted papers will be published in the Symposium Proceedings of USB memory.

## Registration Fees (tentative)

Early bird registration fees are ¥40,000 (Japanese yen) for members of IEEE, IEEE, CIGRE, CES, or KIEEME, ¥50,000 for non-members, and ¥20,000 for students with valid IDs. Manuscript submission fee is ¥10,000 per one manuscript. This fee will be deducted from the registration fee for the authors presenting their papers, although the maximum deduction is ¥10,000 per one attendee.

## Important Dates

**Abstract Submission:** *Jan. 24, 2020*  
**Acceptance/Rejection Notices:** *Middle of Mar., 2020*  
**Manuscript Submission:** *May 29, 2020*  
**Conference Dates:** *Sept. 13 - 17, 2020*

## ISEIM 2020 Web Site

<http://www2.iee.or.jp/~adei/ISEIM2020/>

## Conference Secretariat

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