

2nd Asia Summer School on Dielectric Insulation

24 – 28 August 2026

Cheongju, Korea

Organized by Asian Summer School Committee

Sponsored by IEEE DEIS

Co-organized by KIEE Society C: Electro-physics and Application

We are pleased to announce the opening of pre-registrations for the 2nd **Asia Summer School on Dielectric Insulation**, organized at Chungbuk National University, Cheongju, Korea from 24 – 28 August 2026.



This 2nd **Asia Summer School on Dielectric Insulation**, fully in English welcomes attendants from everywhere, and intends to train scientists, researchers, PhD students, engineers and technical staff coming from both academia (PhD students, MSc students in their final year) and industry (first 5 years of their career) and all interested in the field of dielectric insulation, from the fundamental basics to applications in electrical and electronic engineering.

The Summer School is focused on **Space Charge in Dielectric Insulation: measurement, theories and simulation, materials and application**, a broad range of sub-topics on the knowledge and frontiers of space charge in composite materials and nanocomposites:

- Space charge measurement basics: PEA method for flat sample
- Space charge signal transport mechanism and data processing
- Space charge measurement method in HVDC cable and its challenge
- Theoretical basics: space charge transport mechanism and relevant physical processes
- Modelling and simulation of space charge transport in polymer insulation
- Case studies on space charge and ageing characters in various materials
- Application with space charge measurement on material development and equipment design: from experiments to simulation

Besides providing knowledge and information on space charge in dielectric insulation, the participants will be trained to think using a scientific approach. To make it easier for the students to actively participate in the discussions, the 'Six thinking hats method' is introduced. Further, the students will participate in brainstorming and they will use their acquired knowledge in different working groups.

The four-day training of the **2nd Asia Summer School on Dielectric Insulation** aims to:

1. Extend the young researchers' **Basic Knowledge and Understanding on the 'Space Charge in Dielectric Insulation'** with presentations from invited professors
2. Encourage the young researchers to open their mind to work on specific topics and find proper solutions for the problems with some useful **Thinking Skills**.
3. Build an environment for young researchers with different experiences **Working Together** on a research question with **Divergent Thinking**, and get **Shared Experience** on how to do research and design a scientific research proposal.
4. Build continuous **Links and Networks** between young researchers that may have a chance to work together to solve the problems relevant to the space charge phenomena, even after the Summer School has finished.

We are pleased to announce our distinguished lecturers, all members of the Asian Summer School Committee:

- **Prof. Peter Morshuis**, Solid Dielectric Solutions, the Netherlands
- **Prof. Naohiro Hozumi**, Emeritus Toyohashi University of Technology, Japan
- **Prof. June-ho Lee**, Hoseo University, Korea
- **Prof. Zepeng Lv**, Xi'an Jiaotong University, China

Venue:

Chungbuk National University, Cheongju, Korea. The venue can be reached easily from Incheon International Airport. After registration, detailed information will be sent.

Participation fee:

IEEE member or IEEE student member, shared room	USD 150 (4 nights) ₩250,000 원
IEEE member or IEEE student member, single room	USD 300 (4 nights) ₩450,000 원
Non-member, shared room	USD 332 (4 nights) ₩498,000 원
Non-member, single room	USD 480 (4 nights) ₩720,000 원

The registration fees include full access to the summer school (lectures, tutorials and practical work), the training materials, 4 nights in shared/non-shared accommodation, 4 times lunch, 3 times dinner and 1 banquet covering the 4 days training.

More details and the program of the Summer School will become available soon. At this moment, you can pre-register by email at: peter.morshuis@dielectrics.nl . Your pre-registration will help us better organize the event. We have room for a total of 30 participants. Participants will be accepted in the order of their application.

Do not hesitate to advertise this event through your professional network and to come back to us for any further information.

We are looking forward to seeing you at the 2nd **Asia Summer School on Dielectric Insulation** held at Chungbuk National University, Cheongju, Korea, from 24 – 28 August 2026.

The Asian Summer School Committee

- Professor Wu Kai
- Professor Naohiro Hozumi
- Professor June-ho Lee
- Professor Lv Zepeng
- Professor Peter Morshuis

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