



3-day Summer School on Dielectric Interfaces

Organized by

IEEE Dielectrics and Electrical Insulation Society

Co-sponsored by

Technical Committee of Dielectrics and Electrical Insulation, IEE of Japan

In cooperation with

IEEE DEIS Japan Chapter

Mikawa Bay, Japan

15-17 September 2017

To promote scientific debate between junior researchers in the field of electrical insulation and dielectrics, IEEE DEIS in collaboration with IEE Japan organize the 3rd Summer School on Dielectric Interfaces in September 2017.

The objectives of the IEEE DEIS Summer Schools are

- To organize brainstorms on challenging topics in the field of dielectrics and electrical insulation among young researchers
- To discuss with the students research methodology
- To support the students in creating research networks
- To challenge the students to start joint research work, present their work and organize special sessions in IEEE DEIS sponsored conferences

In the quiet seaside location of Mikawa Bay, not far from Toyohashi, a group of 40 junior researchers / PhD students will take part in a 3-day brainstorm on three related hot topics in dielectrics research.

After a plenary introduction and a presentation of the three topics, four groups will be formed. To optimize the discussions, each group will be led by a senior moderator of reputation in the field of dielectrics. At the end of each day, the groups will report in a plenary session. On the last day, the outcome of the work of the four groups will be merged, preliminary conclusions are drawn and a framework for a journal paper will be prepared.

For the September 2017 Summer School, the topics are all related to Dielectric Interfaces:

1. Interfacial phenomena at nano scale – taking the explanation of structure-property relations one step further
2. Increasing the heat transport in solid dielectrics
3. How to obtain objective measures of the size of interfacial zones and the quality of dispersion and distribution in nanocomposites

The 2017 Summer School moderators are:

- **Prof. John Fothergill**, emeritus London City University, UK (distinguished lecturer IEEE DEIS)
- **Prof. Alun Vaughan**, University of Southampton, UK
- **Dr. Thomas Andritsch**, University of Southampton, UK
- **Dr. Peter Morshuis**, Solid Dielectric Solutions, the Netherlands (distinguished lecturer IEEE DEIS)

How to apply

If you want to apply for the 2017 Summer School, please send an application letter **before July 1, 2017** to Dr. Peter Morshuis peter.morshuis@dielectrics.nl. To qualify for participation you are either a PhD student, an MSc student with some research experience or in the first three years of your career. You should have a reasonable command of English. In your application letter we expect you to describe in a few lines your main field of study, and the reason why you would like to participate in the Summer School. If you are a student, we expect also a short recommendation from your professor. We will evaluate the application forms and inform you about acceptance within two weeks after we have received your application. Please be aware of the fact that we allow a maximum of 40 participants, so first come first serve.

If you need additional information, please contact Dr Peter Morshuis (E-mail: peter.morshuis@dielectrics.nl Tel: +31 6 24242002). The Summer School is sponsored by IEEE DEIS and technically co-sponsored by TC-DEI of IEEEJ. The cost of participation will be approximately 18,000 JPY (135 USD), including transportation from Toyohashi Station– Conference venue, food and beverages and hotel cost.

Detail information

Departure: Sept. 15th (Fri.) 9:00 at Toyohashi Station

Return: Sept. 17th (Sun.) ~15:00 at Toyohashi Station

Venue: Mikawawan Resort Linx. See the web site: <http://www.linx-xspa.co.jp/>

Organizing committee already booked transferring bus, rooms, and meals during the stay. Participants who applied for the summer school do not need further reservation.

Registration desk opens at the conference venue to receive participation fee only by JPY cash. Other currency and credit cards cannot be available. Official conference receipt will be handed out at the registration desk.

List of Organizing Committee of 2017 IEEE Summer School

General Chair: Dr. Peter Morshuis (Solid Dielectric Solutions)

Vice Chair in Charge of Treasury: Dr W. McDermid (Treasurer IEEE DEIS)

Vice Chair in Charge of Local Arrangement: Assist. Prof. T. Kawashima (Toyohashi Univ. Tech.)

Vice Chair in Charge of Local Finance: Prof. Y. Tanaka (Tokyo City Univ., Vice Chair of IEEE DEIS Japan Chapter and the General Chair of TC-DEI of IEEEJ)

General Secretariat: Dr. N. Fuse (Central Res. Inst. Electric Power Industry, Secretary of TC-DEI of IEEEJ)