



Conference Dates:

June 30 – July 04, 2024

Location:

Paul Sabatier University, 118 route de Narbonne, 31062 Toulouse, France

Important Dates:

Abstract submission deadline:

October 30, 2023

Abstract acceptance notification:

December 20, 2023

Full-paper submission deadline:

April 8, 2024

Full-paper acceptance notification:

May 20, 2024

Website:

<https://iee-icd.org/>

E-mail:

icd2024@laplace.univ-tlse.fr

5th IEEE-ICD in Toulouse

After 11 successful meetings since the inauguration in Toulouse, France, in 1983, the International Conference on Conduction and Breakdown in Solid Dielectrics (ICSD) has opened the door to liquid and gaseous dielectrics to give birth to the International Conference on Dielectrics (ICD) in Montpellier in 2016.

The ICD is an interdisciplinary forum that provides a unique opportunity for researchers from industry, academia and research centres to come together to review their research activities. It covers researches in the field of dielectric materials and dielectric phenomena, and on the behaviour and properties of the electrical insulation in devices, under operational stresses. Topics of power devices as well as all systems involving insulations and dielectrics are covered.

The 5th edition of ICD, fully sponsored by IEEE Dielectrics and Electrical Insulation Society, will take place in Toulouse, France, from Sunday 30th June 2024 until Thursday 4th July 2024, just 20 years after the 2004 ICSD Edition. Toulouse is a major European City in the field of Aeronautics and Space, with Airbus headquarters. It can be easily reached with 26 airline companies and 69 international destinations in 2023.

We warmly invite you to save the date, to attend and to contribute to the 5th ICD. Tutorial sessions will be held on the first day of the conference. Papers are invited in all areas of solid, liquid and gas dielectrics.

Call for Contributions

Please visit the ICD Website for updated information

Abstracts:

All abstracts for proposed papers should be submitted online according to the instructions and the template available on the ICD web site <https://iee-icd.org/> no later than October 30th, 2023.

The abstract should be adequately detailed and present a synopsis of the paper, one single page as far as possible emphasizing any new ideas.

Full papers:

Authors whose abstracts have been accepted will be informed by end 2023.

Full texts, 4 pages maximum in length, in English, should be submitted not later than April 8th 2024. Accepted papers will be published in IEEE-Explore provided physical presentation has been achieved at the conference.

ICD Conference Topics

- Conduction, polarization and breakdown
- Space charge and related effects
- Ageing, degradation and failure
- Materials and insulation systems
- Theories, methods and models
- Diagnostics and experiments
- Multifunctional materials
- New materials for active and passive components
- Composite insulation systems, Nanodielectrics
- Electro-active polymers and their application
- Microelectronics and photonics
- Eco-friendly dielectrics and recycling
- Biodielectrics
- Electro-hydrodynamics

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Partners/Sponsors

ICD offers exhibition and support from various forms. Being a partner of ICD means participating in a major international event with a wide range of topics with participants from around the world.

The Eric O. Forster Memorial Lecture

Eric Forster was one of the founding fathers for this conference series. The Eric O. Forster Memorial Lecture is a prestigious lecture given at the opening of the conference. It honours a scientist for his outstanding contribution to the field of dielectrics.

Young Researchers Awards

Besides the traditional Gold Session dedicated to junior researchers, the Organization Committee of ICD, with support from the DEIS Educational Committee, is setting up a Young Researchers Contest to encourage the participation of students and young researchers in the conference.

Proven full-time engineering and science university researchers and PhD students under 30 years old who have submitted a paper are entitled to participate to this contest.

Candidates whose abstracts are selected will be invited to present their papers at the conference. Prizes will be awarded to the authors of the best contributions during the closing session.

Young researchers are kindly requested to “tick” a check case at the abstract submission step.

Workshops

One or more workshops will be organized on Sunday 30 June, ahead of the Conference. Information on the selected topic(s) will be provided later on.

Registration

Registration fees will be given later on. The conference is organized in a university environment in order to maintain costs at a reasonable level and encourage broad participation.