

## Location

Budapest, Hungary

The ICD 2018 will be hosted by Budapest, the capital of Hungary. The city situated on both banks of the Danube River is home to a vibrant culture, economy and fabulous architecture. Six large and altogether twenty universities ensure that Budapest is a leading R&D and arts center. The city of bridges is waiting for you to connect with the professionals of dielectrics!

## Key dates

**Deadline for abstract submission:**

27 October, 2017

**Notification of abstract acceptance:**

15 December, 2017

**Deadline for manuscript submission:**

1 March, 2018

**Notification of paper acceptance:**

27 April, 2018

**Advance registration deadline:**

11 May, 2018

**Conference dates:**

1 - 5 July, 2018

Closed-core transformer designed by Déri, Bláthy and Zipernowsky at Ganz



## 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  
Treeing  
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  
Smart materials

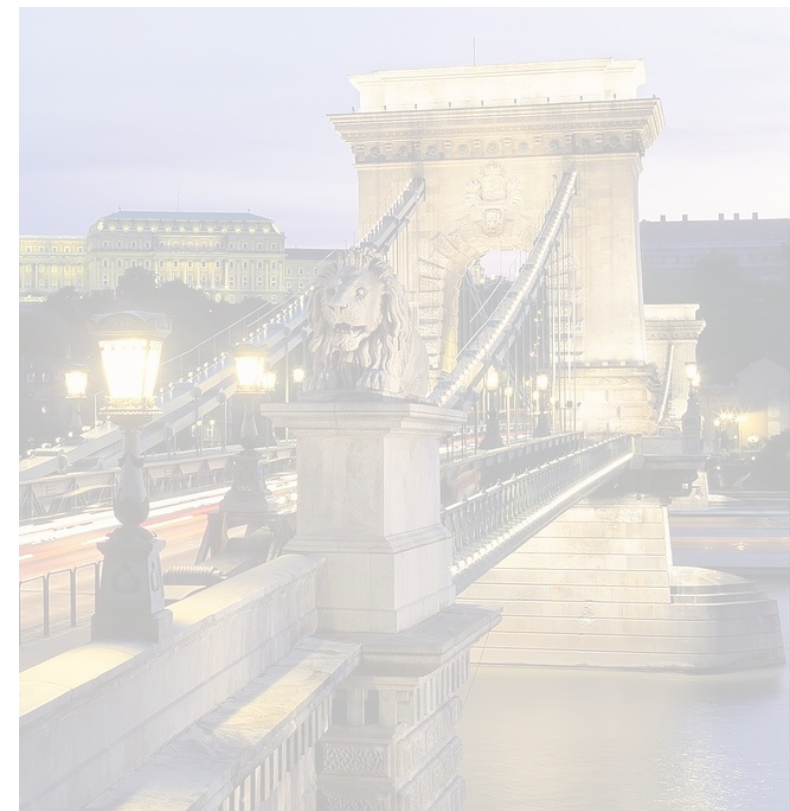
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## 2ND IEEE INTERNATIONAL CONFERENCE ON DIELECTRICS

**BUDAPEST, HUNGARY  
1-5 JULY, 2018**



## Invitation

After eleven 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 2016. The widening of the scope is in recognition of the fact that many breakthroughs in science occur at the interface between different areas and that the solid, liquid and gaseous dielectrics communities will benefit from more interaction.

The second edition of a series of biennial International Conferences on Dielectrics, fully sponsored by IEEE Dielectrics and Electrical Insulation Society, will take place in Budapest, Hungary, from Sunday 1st until Thursday 5th July 2018.

The ICD is an interdisciplinary forum that provides a unique opportunity for researchers from industry, academia and research centers to come together to review their research activities.

We warmly invite you to attend and to contribute to the 2nd International Conference on Dielectrics to be held in Budapest, Hungary

The conference will run for four full days and one half day. Tutorial sessions will be held on the first day of the conference. Papers are invited in all areas of solid, liquid and gas dielectrics. Special attention is given to topics focusing on the interfaces between solids, liquids and gases.

## International Advisory Committee

**Peter Morshuis,**  
Solid Dielectric Solutions, the Netherlands (Chairman)

**Andrea Cavallini,**  
University of Bologna, Italy

**Davide Fabiani,**  
University of Bologna, Italy (DEIS Meetings chair)

**John Fothergill,**  
City University London, United Kingdom

**Reimund Gerhard,**  
University of Potsdam, Germany

**Erling Ildstad,**  
Norwegian University of Science and Technology,  
Trondheim, Norway

**Gilbert Teyssedre,**  
Université Paul Sabatier, Toulouse, France

**Paul Lewin,**  
University of Southampton, United Kingdom

**Shengtao Li,**  
Jiaotong University, Xi'an, China

**Rongsheng Liu,**  
ABB, Västerås, Sweden

**Yoshimichi Ohki,**  
Waseda University, Tokyo, Japan

**Rainer Patsch,**  
University of Siegen, Siegen, Germany

**Greg Stone,**  
Iris Power-Qualitrol, Canada

**Toshikatsu Tanaka,**  
Waseda University, Tokyo, Japan

**Yasuhiro Tanaka,**  
Tokyo City University, Tokyo, Japan

**Jérome Castellon,**  
University of Montpellier, Montpellier, France

## Exhibits

Exhibits that relate to the conference topics are welcome.

## Local Organizing Committee

István Berta - Honorary Chair  
István Kiss - Conference Chair  
Bálint Németh - Conference Treasurer  
Richárd Cselkó - Publications and Technical Program



Jedlik's impulse generator, an early predecessor of the Marx impulse generator