



Call for Papers



CENTRE OF EXCELLENCE FOR TRANSFORMERS

*Cigre SC A2 & 6th ICTRAM
Joint Colloquium 2023*

Split, Croatia, October 4 – 7, 2023



The Croatian National CIGRÉ branch in cooperation with the Faculty of Electrical Engineering and Computing in Zagreb and the Centre of Excellence for Transformers in Zagreb is organizing the **Cigre SC A2 & 6th International Colloquium Transformer Research and Asset Management Joint Colloquium 2023**

VENUE

The Colloquium will take place in the congress centre of the Le Méridien Lav Split, Croatia. Le Méridien Lav is the only five star resort in Split. Located in Podstrana, 8 km south of Split, it has an 800-metre long beach line, landscaped gardens and it overlooks the city and the surrounding islands.



ABOUT SPLIT

Split is the second largest city of Croatia, the largest city in Dalmatia and the largest city on the Croatian coast. It lies on the eastern shore of the Adriatic Sea and is spread over a central peninsula and its surroundings. An intraregional transport hub and popular tourist destination, the city is linked to



the Adriatic islands and the Apennine Peninsula. Split is 17 centuries old, dating to the time the Roman Emperor Diocletian decided to build his Palace right on the peninsula near the great Roman city Salona. During these 1700 years the Palace slowly turned into a city, which to this day lures with its rich tradition, glorious history and beauty of its natural and cultural heritage.

Diocletian Palace and the entire historical core of Split have been on the World Heritage UNESCO list ever since 1979. All historical layers from the old Rome, middle ages till today are still visible and alive in this structure. A walk through the ancient city takes you through time, along the great examples of ancient architecture like Peristyle, the middle aged Romanesque Church and Gothic Palace, Renaissance portals of the noblemen's houses, Baroque facades and modern architecture superbly merged in the rich heritage.

BACKGROUND AND SCOPE

Croatian National Committee of CIGRÉ together with the Faculty of Electrical Engineering and Computing in Zagreb and The Centre of Excellence for Transformers are organizing the Cigre SC A2 & 6th ICTRAM Joint Colloquium 2023 which will gather specialists from the academic community, research institutes, electric utilities and industrial world.

The last ICTRAM colloquium was held in Opatija in 2019 with 243 participants from 26 countries from around the world and 54 papers were presented. In the next edition joint with SC A2 colloquium we expect the event to be even broader and provide the perfect place to exchange ideas, ask questions and express opinions, to renew old acquaintances and make new friendships. The aim is to bring together researchers from transformer production, universities, and utilities to present and discuss their research results and latest advances in the fields of power, special, distribution and instrument transformers.

PROGRAM

The Colloquium will extend over three days. The papers will be presented in morning and afternoon oral sessions and poster sessions. CIGRÉ tutorial will be held as well.

MAIN TOPICS

Papers regarding all aspects of power, special, distribution, and instrument transformers are encouraged. You are invited to submit a contribution on the following topics:

- *Modeling and Simulation*
 - Numerical modeling in design, multi-physics and coupled problems
 - Transients, harmonics, lumped and distributed parameter models
 - Machine learning and hybrid models, models for digital twins
- *Materials, Components and New Technologies*
 - Transformer components, insulating and magnetic materials
 - New concepts and technologies in the transformer industry
 - Digitalization and smart grid applications
- *Transformer Life Management*
 - Monitoring, diagnostics, and condition assessment
 - In-service experiences and case studies
 - Environmental aspects and resilience

For this joint colloquium CIGRE SC A2 preferential subjects are:

- Digital twins
- Trends in transformer maintenance
- Design performance in service

More details about these subjects are given at: <https://ictram.org/call-for-papers>. As this is a joint event, papers belonging to CIGRE SC A2 colloquium preferential subject will be presented jointly in the sessions where they fit best with a clear mark of the preferential subject.

WORKING LANGUAGE

The working language for the colloquium is English. All the printed materials, presentations and discussions will be in English.

PAPER SUBMISSION

Participants who intend to present their written contributions are invited to submit a one-page extended abstract and full paper using the template and submission system at:

<https://ictram.org/author-center/>

IMPORTANT DATES

- **April 1, 2023:** extended abstract submission due date
- **May 15, 2023:** notification of acceptance
- **September 3, 2023:** full paper submission due date
- **October 4 – 7, 2023:** Colloquium in the hotel Le Méridien Lav Split, Croatia.

TECHNICAL COMMITTEE

Bojan Trkulja (Croatia)
Ivanka Atanasova Hoehlein (Germany)
Boleslaw Brodka (Poland)
Luiz Cheim (USA)
Branimir Ćučić (Croatia)
Khayakazi Dioka (Republic of South Africa)
Jan Dončuk (Czech Republic)
Marc Foata (Germany)
Tim Gradnik (Slovenia)
Žarko Janić (Croatia)
Bruno Jurišić (Croatia)
Miguel Martínez Ronderos (Spain)
Robert Maruša (Slovenia)
Mark Mcvey (USA)
Pascal Mueller (Switzerland)
Alfredo Ortiz Fernández (Spain)
Patrick Picher (Canada)
Christoph Ploetner (Germany)
Marjan Popov (Netherlands)
Alvaro Portillo (Uruguay)
Ebrahim Rahimpour (Germany)
Mohamed Ryadi (France)
Matthias Schick (Germany)
Jasmin Smajić (Switzerland)
David Wallace (USA)
Damir Žarko (Croatia)

PUBLICATION OF PROCEEDINGS

All papers will be published in the proceedings and distributed to participants of the Colloquium. Selected number of papers will be published in:

- CIGRE Science & Engineering (CSE)
- Journal of Energy

CONTACT

<https://ictram.org/>

