



# Jicable HVDC'25 Young Researchers Contest CALL FOR PAPERS

*Location: Turin -Italy, October 2025, 20 to 22*

**DEADLINE DATES FOR YOUR DIARY:**  
**Submission for abstracts: April 15th, 2025**  
**Notification of acceptance: June 1<sup>st</sup>, 2025**  
**Submission for full papers and e-posters: September 15th, 2025**

## Organized by Jicable

### In partnership with:

- **SEE**, Société de l'Electricité, de l'Electronique et des Technologies de l'Information et de la Communication
- **SYCABEL**, Syndicat Professionnel des Fabricants de Fils et Câbles Electriques et de Communication
- **ENEDIS**, Electricité Réseau Distribution France
- **RTE**, Réseau de Transport d'Electricité
- **SERCE**, Syndicat des Entreprises de Génie Electrique et Climatique
- **CIGRE**, International Council on Large Electric Systems
- **AGP'21**, Association Grand Projects'21

### With the Scientific and Technical support of:

- **CIGRE**, Council on Large Electric Systems
- **SEE**, Société de l'Electricité, de l'Electronique & des Technologies de l'Information et de la Communication
- **AGP'21**, Association Grand Projects'21

## Committees:

### Organizing Committee

Chairman: François **GICQUEL**, Jicable (France)

Secretary: Michel **PAYS**, Jicable (France)

### International Scientific and Technical Committee (ISTC):

Chairman: Espen **DOEDENS**, Nexans (Norway)

Secretary: Pierre **MIREBEAU**, Jicable (France)

## Young Researchers Contest

The Organizing Committee of Jicable HVDC'25 is launching a Young Researchers Contest to encourage the participation of students and young researchers.

Full-time eligible researchers (see eligibility below) are invited to submit abstracts of their research work. The topic of the abstract must align with one of the program categories listed below. Authors of selected abstracts will be invited to submit a full paper and present their work in a poster session at Jicable HVDC'25. Participants will also be required to answer questions during a special session at Jicable HVDC'25.

The first author of each selected paper will be exempt from the registration fee.

Prizes will be awarded to the authors of the three best posters:

First Prize	Second Prize	Third Prize
€1,500	€1,000	€500

Full papers and poster presentations will be reviewed by a jury during the symposium based on the following criteria:

- Originality of the research topic: Innovative and unique topics that provide fresh perspectives or explore under-researched areas will be highly valued.
- Quality of the paper: This includes clarity of writing, methodological rigor, depth of analysis, and relevance of references.
- Oral presentation: A well-structured, engaging presentation is crucial and can significantly impact the jury's evaluation.
- Ability to answer questions: The jury also assesses the researcher's ability to defend their work and respond appropriately to the questions, which demonstrates their mastery of the subject.

### Topics:

- 1. HVDC Cable Development:** Conception, design, modelling and simulation studies, production and environmental constraints for HVDC cables and accessories, qualification tests of new production lines.
- 2. Fundamental material performance aspects:** new materials, space charges, interfaces, aging, and related material testing methods.
- 3. New developments within the HVDC cable system:** Interactions between converters and cable systems (transient overvoltage etc.), integration of HVDC links in existing HVAC networks, developments towards hybrid HVDC/Mixed transmission cable infrastructure, meshed grids and multi terminal (MTDC) system implications, very long length DC cables, exploring the impact of HVDC cable systems on grid stability, control mechanisms, and the integration of advanced control technologies, MVDC cable systems and applications.

- 4. Test method developments for DC cable systems:** Testing methods and test modeling, qualification, development and screening test methodology, after installation tests and other quality management methods.
- 5. New mechanical frontiers for HVDC cabling:** Deepwater HVDC cable projects, dynamic HVDC cabling and projects, alternative water barriers and armoring/protection packages for the HVDC cable, novel bundling techniques, mechanical testing and analyses.
- 6. Monitoring & service aspects:** Laying methods including environmental issues, repair methods for cables and accessories, fault location, maintenance, re-energizing of HVDC links, monitoring of (HVDC) cable systems, and feedback from near end-of-design-life DC operation.
- 7. Sustainability and environmental aspects:** Sustainability analysis and improvements theoretical and practical aspects of recyclability of (HVDC) cable system components, environmental impact studies of installed cable systems and HSE topics, all including their economic aspects.

## Submission / Selection:

### Eligibility:

You must be under 35 years old as of October 2025 (during the conference dates).

Eligible participants include academic scholars or industrial engineers pursuing a Bachelor of Science (B.Sc.), and higher (Master's and PhD) not more than 2 years after their graduation

### The abstract:

The abstract must be detailed enough to provide a clear synopsis of the intended full paper (maximum of 500 words) and should highlight any innovative ideas.

Abstracts must be submitted via the link provided on the [Jicable HVDC'25 website](#).

A submission form is included and must be completed accurately, providing:

- The name(s) of the author(s),
- Their affiliation(s),
- Their country,
- Their email address,
- The title of the proposed communication, and
- The scientific and technical theme of the symposium to which the abstract relates.

Authors whose posters are accepted will be informed by **June 1<sup>st</sup> '2025**. Poster and fullpaper in **English** should be received no later than **September 15<sup>th</sup> '2025**.