

AEIT HVDC international conference 2021

Operational Experience and
Technological Development
for Application Worldwide

Virtual Conference • May 27-28 • 2021

(In the uncertainty of being able to hold cultural events with the physical presence of people, it is planned to organize the technical sessions in virtual mode and speakers and attendants will be worldwide connected)



Overview

High Voltage Direct Current (HVDC) transmission draws an ever increasing interest of TSO in Europe and all over the world.

Major developments in technology make HVDC in many cases more reliable, easy to apply and operate, economically affordable. Wider applications are now possible and many projects are under development, making HVDC an even more interesting business than before also for manufacturers and engineering companies.

AEIT HVDC International Conference 2021 will serve as an International forum for the presentation

and exchange of technological advances and research results in the broad fields of HVDC Power Systems applications.

The following issues are within the scope of the conference:

- HVDC operational experience;
- Outlook of HVDC projects planned and at design or construction stage;
- Latest (ongoing) and next coming developments in HVDC technology (converter stations, cables, overhead lines);
- Market perspective.

AEIT HVDC International Conference 2021 will bring together leading utilities, universities, transmission system operators, consultants, equipment suppliers, and solution providers to help shape the future of power transmission industry.

Registration fee is posted on the conference website.

Important Dates

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|----------------------------------------------------|------------------|
| Full Papers submission | • March 15, 2021 |
| Acceptance notification | • April 10, 2021 |
| Final Manuscript and authors' registration: | |
| | • April 30, 2021 |

Secretariat

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Society AEIT per l'Energia Elettrica

Submission of Papers

Who intend to submit a paper must first register the title of the contribution and the name of authors in EDAS (<https://www.edas.info/N27993>). The working language of the conference is English. Subsequently, within the scheduled deadline, submit the full paper (six pages) as PDF following the IEEE layout requirements by using the template given at the conference web page:

<https://convegni.aeit.it/HVDC2021> via EDAS

<https://www.edas.info/N27993>

The full paper should contain a complete description of the proposed technical contribution along with some results, suitably framed in the related state of the art. Each paper will be reviewed in terms of relevance with respect to the scope of the event, originality and quality of the technical content, overall organization and writing style. All Papers accepted will be included in the Conference Proceedings. Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Topics of interest include but are not limited to:

- AC network harmonic impedance and HVDC harmonic performance
- Control of HVDC grid converters and offshore wind farms for the provision of ancillary services and grid code compliance
- Flexible Power Flow Control in HVDC grids
- HVDC Cables for high performance transmission lines
- HVDC Grid operation
- Evaluation of offshore HVDC grid configuration options
- HVDC Grid protection
- HVDC grids and offshore wind farms
- HVDC links
- HVDC return sea electrodes for High Power links
- HVDC technology (converter stations, cables, overhead lines)
- HVDC VSC links with OHL: management of fugitive DC faults
- HVDC-VSC systems
- New HVDC Projects implementation/refurbishment
- HVDC transmission systems
- MVDC multi-terminal grids
- Interaction of HVDC systems with the AC networks
- Meshed HVDC Schemes: Control Design and Experimental
- Multilevel High Power Converters for Voltage Source HVDC

- Operating experience of existing HVDC Systems
- Outlook of HVDC projects planned and at design or construction stage
- Power Electronic Devices and Converters
- Market perspective

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