

Call for Papers



Future of Power Systems

CIGRE AORC

Technical Meeting 2025

Auckland, New Zealand

5-7 September 2025

NZNC Collective Hosts



Nau mai ki Tāmaki Makaurau Welcome to Auckland



The **2025 CIGRE Asia-Oceania Regional Council (AORC) Technical Meeting** is to be held in **Auckland, New Zealand, 5 to 7 September 2025** promises to be a dynamic event uniting leading experts and key stakeholders from the global power systems industry, with a particular focus on Oceania and Asia-Pacific CIGRE countries. CIGRE NZNC previously hosted *AORC Technical Meeting 2017* in Auckland alongside SC B5 Colloquium-Annual Meeting and CIGRE Administrative Council.

This, major international event will bring together business leaders, power system operators including generation, transmission, distribution and distributed energy resource participants, manufacturers, engineers, scientists, policymakers, regulators, and academics to explore critical challenges, emerging technologies, and strategic innovations shaping the future of the electricity sector.

As a unique forum, the conference will foster rich technical exchange, showcase cutting-edge research and practical solutions, and offer valuable insights into regional and global perspectives. Attendees will have the opportunity to strengthen professional networks, engage in high-level discussions, and build new partnerships with key energy stakeholders from across Asia, Oceania, and beyond.

Hosted by the **CIGRE New Zealand National Committee (NZNC)** in collaboration with **CIGRE AORC**, this event will also serve as a regional milestone, contributing to the collective advancement of resilient, low-carbon, and digitally enabled energy systems.

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MEMBER SC B2 Aaron RADFORD

CIGRE PATRONS -TECHNICAL

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AORC B2 CHAIR Tetsuya YAMANAKA

PREFERENTIAL SUBJECTS

PS1: EVOLUTION, MARKETS AND REGULATION FOR FUTURE OF POWER SYSTEMS

Relevant *Study Committees*: AORC SC C5, SC C4, SC C3, SC C6

- Markets and Regulation for Renewable Energy Networks
- Economic and regulatory frameworks for high renewable penetration
- From DNO to DSO: Evolution of Distribution Operation
- Integration of distributed energy resources and grid flexibility mechanisms

PS2: DIGITAL SUBSTATIONS

Relevant *Study Committees*: AORC SC B3, SC B5, SC D2

- Covering IEC 61850, protection and control systems, communication architectures

PS3: OPERATION OF MIXED AC/DC SYSTEMS AND HVDC NETWORKS

Relevant *Study Committees*: AORC SC B4

- HVDC control strategies, protection, multi-terminal systems, control mechanisms, back-to-back configurations

PS4: OTHER TOPICS

- Submissions related to other CIGRE study committees are welcome and will be grouped under a general category.

The initial selection of papers will be based on the **quality and content of a one-page synopsis**. The synopsis must clearly outline the **key results, innovations, and technical contributions** that will be presented in the final paper. Synopses that only provide general context or background, without substantive results, will **not be considered**.

Each participating Study Committee (SC) will coordinate the **peer review process** through a panel of subject matter experts. Submissions related to other SCs will be reviewed by designated experts. Authors may be requested to revise or clarify their papers following the review process. All decisions on final acceptance will be formally communicated to the authors.

Participants interested in presenting and publishing a paper must submit their **synopsis** in line with the provided guidelines and templates. These will be available on the official event website:

<https://cigre.blogs.auckland.ac.nz/>

All synopses, papers, and presentations must be in **English**

Please note: At least one author must register for the event and present the paper in person during the Technical Sessions.

SC B2 – Overhead Lines
SC B3 – Substations and Electrical Installations
SC B4 – DC Systems and Power Electronics
SC B5 – Protection and Automation
SC C3 – System Environmental Performance
SC C4 – System Technical Performance
SC C5 – Electricity Markets and Regulation
SC C6 – Active Distribution Systems and Distributed Energy Resources
SC D2 – Information Systems and Telecommunications

SUBMISSION GUIDELINES

Abstract (synopsis): One page describing the scope, methodology, and key results.

Full Paper: 4–8 pages, formatted according to CIGRE standards (details will be shared upon abstract acceptance).

Important Dates:

Synopsis submission deadline: **15 July 2025**

Notification of acceptance: **within 1 week of submission**

Full paper submission deadline: **15 August 2025**

Submission Process:

Please email your abstract to:
cigre.aorc2025@gmail.com

In your email, indicate:

- **Title of your paper**
- **Name(s) and affiliation(s) of author(s)**
- **Preferred subject area (e.g., B4, C6)**

ADDITIONAL INFORMATION

- Selected papers will be included in the technical sessions and may be highlighted for publication.
- Registration details and final programme will be shared on the event website.

For questions or assistance, please contact:
cigre.aorc2025@gmail.com

We look forward to your contributions and to seeing you at the CIGRE AORC 2025 Technical Meeting!

VENUE: UNIVERSITY OF AUCKLAND

Nestled in the heart of Auckland's vibrant city centre, the University of Auckland provides an inspiring setting for academic exchange and innovation. As New Zealand's leading university, it offers world-class facilities within walking distance of Auckland's cultural, historical, and culinary highlights. From exploring the scenic waterfront and lush parks to discovering Māori heritage and enjoying local cuisine, Auckland promises an enriching and memorable experience for all symposium attendees.

