

Hosted by the **Australian National Committee of CIGRE**

The End to End Electricity System Transition, Development and Integration

Participating Study Committees:

- A3** – Transmission and Distribution Equipment
- B1** – Insulated Cables
- B3** – Substations and electrical installations
- B5** – Protection and automation
- C1** – Power system development and economics
- C2** – Power system operation and control
- C4** – Power system technical performance
- C5** – Electricity markets and regulation
- C6** – Active distribution systems and distributed energy resources
- D1** – Materials and emerging test techniques
- D2** – Information systems and telecommunication

The Symposium will also include specific sessions to encompass the biennial Conference on Integration of Distributed Energy Resources (CIDER) conducted by Australian Panel C6 and the South East Asia Protection Automation Conference (SEAPAC) conducted by Australian Panel B5.



SYMPOSIUM THEME

The session will be on the theme of The End to End Electricity System: transition, development and integration. This will be divided into three topic streams:

- 1. Learning from experiences.** What can we draw from past experience to develop the end-to-end electricity system?
- 2. Developing practices, functionalities and applications.** What are the current developments and their application for an end-to-end electricity system?
- 3. Towards a sustainable power system.** What are the future needs and requirements of an end-to-end power system?

The symposium focuses on the integrated electricity system and the transformation into the electricity system of the future. It will identify what can be learned from the experience with current developments in technology, equipment, controls as well as electricity system architecture, operational practices and planning criteria. The topics then cover the changes that are necessary to meet community expectations and policy requirements.

The conference embraces many of the CIGRE domains of work as shown by including planning, operations, markets and economics as well as the technical aspects of the network and then through to the integration of distributed energy resources.

It will examine new ideas, approaches, technologies and operations.

CIDER and SEAPAC

The call for presentations and the organisation of the CIDER and SEAPAC sessions will be separately notified.

The sessions for these two conferences will be grouped and included in the overall the programme.

SYMPOSIUM VENUE

The event will be held in the multi-award-winning **Convention Centre** in Cairns on the north east coast of Australia.

This is on the doorstep of the World Heritage listed Great Barrier Reef and foot of the Daintree rain forest. The coral reef is the world's largest and is composed of more than 2,900 individual reefs and 900 islands over an area of approximately 344,400 square kilometres.

A technical tour and a range of activities have been organised to ensure there is an opportunity for all attendees to enjoy the outstanding location.

Cairns International Airport has direct flights from Sydney, Melbourne and New Zealand and is a short drive from the city centre.

SUBMISSION OF SYNOPSES

The CIGRE Cairns Symposium 2023 invites power system experts, academics, engineers, policy makers and other stakeholders to lodge original synopses to: www.conftool.pro/cigre-cairns-2023.

The synopses should identify which stream and Study Committee the synopsis relates to and be lodged by 5pm (AEST) on **Friday the 4th of November, 2022**.

The format for synopses is available from the [Symposium website](#).

Successful authors will be notified by **Friday the 2nd of December, 2022**.

Full papers are required by **Monday the 3rd of April, 2023**.

Other key dates are shown overleaf >>



COMMITTEES

Symposium Steering Committee

Chair.....	Phil Southwell
TC Chair.....	Marcio Szechtman
CIGRE Secretary General.....	Philippe Adam
Local Co-ordinator.....	Terry Killen

Local Organizing Committee:

Chair.....	Phil Southwell
Local Co-ordinator.....	Terry Killen
Technical Chair.....	Alex Cruickshank
Secretary.....	Sally Earnshaw
Event Co-ordinator.....	Debbie Haddock

Members:

David Pita.....	SC A3
Russell Wheatland.....	SC B1
Crina Costan.....	SC B3
Peter Bishop.....	SC B5
Christian Schaefer.....	SC C1
Greg Hesse.....	SC C2
Babak Badrzadeh.....	SC C4
Greg Thorpe.....	SC C5
Ray Brown.....	SC C6
Yi Li.....	SC D1
Louise Watts.....	SC D2

Technical Organising Committee:

Co-Chairs: Jayme Macêdo [SC C2] and Alex Cruickshank [SC C5]

Secretaries: Flávio Alves [SC C2] and Yannick Phulpin [SC C5]

ATC Chair: Angela Klepac

Members:

Nenad Uzelac.....	SC A3
Geir Clasen.....	SC B1
Koji Kawakita.....	SC B3
Rannveig Løken.....	SC B5 & SEAPAC
Antonio Iliceto.....	SC C1
Marta Val Escudero.....	SC C4
Greg Thorpe.....	SC C5
Kurt Dedekind.....	SC C6 & CIDER
Simon Sutton.....	SC D1
Victor Tan.....	SC D2

SPONSORSHIP OPPORTUNITIES

The CIGRE Cairns Symposium offers opportunities for exhibition of your products and services.

You can also opt for different sponsorship packages: [Gala Dinner, Lunches, Breaks, Welcome Reception].

All details about exhibition and sponsorship are at the [Symposium website](#).

KEY DATES

Call for papers.....	4 August 2022
Registration opens.....	4 August 2022
Abstracts submitted.....	4 November 2022
Authors notified.....	2 December 2022
Draft programme available.....	27 January 2023
Papers submitted.....	3 April 2023
Initial review and revisions.....	26 May 2023
Final acceptance.....	16 June 2023
Registration deadline for presenters (early bird rate).....	30 June 2023
Presentations due.....	7 August 2023
Final programme available.....	7 August 2023
Symposium commences.....	4 September 2023

PROGRAMME

The programme is expected to include 42 sessions in at least three parallel streams.

The symposium will include:

- Presentation of all received papers, either orally or via posters;
- Seven tutorials or seminars;
- A workshop on the NEM suspension during June 2022;
- The 2023 Conference on the Integration of Distributed Energy Resources (CIDER);
- The 2023 South East Asian Protection Automation Conference (SEAPAC).

SYMPOSIUM REGISTRATION

Authors are required to attend the symposium to present their papers.

Registration will open on the 4th August 2022.

Early bird registration will close on 30 April 2023. Successful presenters must register by 30 June 2023 to confirm your acceptance and to receive the early bird rate.

Registration information will be available from the [Symposium website](#).

PUBLICATION OF PAPERS

The papers for the Symposium will be available from the [Symposium website](#) for registered participants. The proceedings of the Symposium will be available from e-cigre after the Symposium.

The 6 best papers will be published in the CIGRE Science and Engineering journal, which is indexed by SCOPUS.

A summary report from the Symposium will be published in *ELECTRA* after the event.

For enquiries on the synopsis/paper lodgement process please email cairns@cigreaustralia.org.au with Synopsis/Paper enquiry in the subject.

CIGRE INTERNATIONAL SYMPOSIUM CAIRNS 2023

Symposium Organiser: Purely Creative Solutions

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