

# EECON 2017

22-23 NOV MELBOURNE

**COLLABORATION AND INNOVATION:  
ADAPTING TODAY'S GRID FOR  
TOMORROW'S FUTURE**



## Call for abstracts

The EESA EECON 2017 Conference will be held 22-23 November, 2017 at Melbourne Convention Centre, Melbourne, Australia.

There has never been a more exciting time to be working within the Australian energy industry. With rapidly evolving technology and increased community engagement, Australia has a once-in-a-lifetime opportunity to transform the grid as we know it into the grid of the future.

The theme of the conference is: **“Collaboration and Innovation: Adapting Today’s Grid for Tomorrow’s Future”**

Papers are invited on all topics related to electric power and energy, particularly on transitioning the grid to accommodate the needs of future generations while meeting customer expectations, and maintaining a reliable electricity service that preserves the planet.

The conference will focus on:

- Technology and policy transforming the electricity sector
- Transitioning to a low emission economy
- Best practices and market operations

Suggested topics include:

- The network
  - Grid resilience, network issues, security (physical and cyber), earthing and protection
  - Australian weather patterns, reliability
  - Smart grids and big data analytics, a new model of the power system, advancements in earthing
- Generation
  - Inverter control, proven technologies, renewable resources, grid integration
  - Emerging technology: new and distributed generation, energy storage and forecasting
- Electric transportation
  - Vehicles, trams, light rail and trains
- Disruptive innovation
  - Perspectives from the networks and the technology providers
- Collaboration across organisations:
  - Industry, consumers and government
- Defence and national security
- Big infrastructure projects
  - Rapid Earth Fault Current Limiters, Level Crossing Removal
- Electrical safety
- Industry responses to new technical regulations
- Markets
  - The role of regulation, ring fencing, meter contestability

## General policies and submission requirements

- All submissions and papers must be original work. An abstract should not be submitted if the work is to be published or presented at a major national or international meeting prior to the EECON 2017.
- All submissions must be completed electronically via the online submission facility.
- An abstract must contain sufficient information so that if published it will be a complete report independent of presentation. The text should not contain statements alluding to results nor conclusions that refer to results that are not presented within the text.
- Submission acknowledges consent to publication of the abstract in the conference proceedings – Engineers Australia Informit Database. Only PEER REVIEWED full papers will be published on RMIT Informit Database and all authors must read and accept Copyright Licence Agreement in order to be published on the RMIT Informit database.

- The presenting author will be required to register for the Conference. Presenters who have not registered by the deadline date time will be removed from the program.
- The abstract should describe objectives, results, conclusions, innovative steps and the significance of your work. Short abstracts will be de-weighted in the selection process.
- All abstracts and papers must be prepared according to the requirements provided. Abstracts and papers will only be accepted and published if submitted using the correct format in the supplied template
- The Conference Organisers will not be held responsible for abstract submissions not received via the website or for submission errors caused by internet service outages, hardware or software delays, power outages or unforeseen events

## Prize Conference Papers

Each year awards are presented for the best paper by a member (Conway) and a non-member (Cresswell).

AM Conway was the first President of the Association when it was formed in 1924, serving from the first annual meeting in 1925 until his death in 1926, at the age of 38. He had been Chief Electrical Engineer at Orange. The Conway Prize is for the best paper presented by a member of EESA.

The Creswell award is named after A J Cresswell who was a former President and Treasurer of EESA. The Cresswell Prize is for the best paper presented by a non-member of EESA.

The recipients of these prizes will represent EESA at the 2018 EEA Conference which is taking place in New Zealand.

## Panel Sessions

Panellists will not be required to write papers to participate in panel sessions. Only PowerPoint presentations are required; they must be on the EECON PPT template. Information on submitting PowerPoint presentations and the EECON PPT Template will be provided to panellists closer to the conference.

## EECON Technical Committee

The EECON Organising Committee has formed a Technical Sub-committee to review papers. Authors should consult the detailed description of the sub-committee to determine the appropriate stream to submit their abstracts and papers.