

# AUPEC 2018

## Transition to a Low-Carbon Energy Future

**Auckland 27-30th November**

### Important Dates

|                |                                       |
|----------------|---------------------------------------|
| 25 May 2018    | Submission portal opens               |
| 15 July 2018   | Full Paper submission closes          |
| 20 August 2018 |                                       |
| 15 July 2018   | Early bird registration opens         |
| 10 Sep 2018    | Notification of acceptance            |
| 15 Sept 2018   | Early bird registration closes        |
| 15 Sept 2018   | Full paper submission after revisions |

The Power Systems Group from the Department of Electrical and Computer Engineering, University of Auckland is pleased to host the 28<sup>th</sup> Australasian Universities Power Engineering Conference (AUPEC) 2018. The conference will be held from 27-30 November at the University of Auckland. The Australasian Universities Power Engineering Conference is the top conference in power engineering in Australia, South East Asia and New Zealand. It provides a forum for university researchers, industry researchers, and experts in power engineering to share ideas, present results, consider past experiences, and discuss new and innovative ideas. Key highlights of the event will be:

- Keynote presentations from academic and practice leaders in the field.
- Presentation and poster sessions for idea sharing and discussion.
- Tutorial sessions and industry visits organised by industry practitioners.
- Women in Power/Young Professionals Networking Forum.
- Training skills workshop on the requirement of the next workforce.

The Organising Committee of AUPEC 2018 invites researchers, practitioners and students worldwide to submit papers for consideration to be presented at the conference. Contributions are particularly encouraged in the following subject areas in Power Engineering:

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|--|---|
| • Power System Operation and Planning                    | • High voltage Systems                            |
| • Power System Protection and Control                    | • Facts, Power Electronics and drives             |
| • Sustainable Energy Technologies                        | • Electricity markets and Power System Economics  |
| • Integration of Non-conventional Generation             | • Carbon Pricing                                  |
| • Grid Integration of New Technologies                   | • Power System Education                          |
| • Power System Reliability                               | • Smart Grids, Microgrid Development              |
| • Power System Resiliency to Disasters                   | • Energy Management and Efficiency                |
| • Distributed, Embedded and Dispersed generation         | • Electrical Machines                             |
| • Transmission and Distribution Infrastructure           | • Power System Automation                         |
| • New Modelling and Simulation approaches                | • Data Analytics in Power System                  |
| • Asset Management, Diagnostics and Condition Monitoring | • Power Quality Analysis, Surveying and Reporting |
| • AI application in Power Systems                        | • Low-Carbon Energy Policy                        |

### SUBMISSION GUIDELINES

Submission of full papers (in English) to be considered for inclusion in the conference is via an online submission system. Papers with a maximum length of 6 pages MUST be prepared as a PDF file in IEEE PES technical conference work format. Instructions for preparing papers in IEEE PES technical conference work format can be found at the IEEE PES website. All accepted and presented papers, either through oral or poster format, will be made available in IEEExplore after the conference.

### AUPEC 2018 LOCAL ORGANISING COMMITTEE

|   |   |  |   |
|---|---|--|---|
| <b>Apel Mahmud</b><br>Publication Chair               | <b>Mohammad Javad Sanjari</b><br>Technical Chair                | <b>Doug Ray</b><br>Industry Chair            | <b>Waqar Qureshi</b><br>Industry Co-Chair     |
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