

# The Australian Power Institute ENERGY INNOVATION SUMMIT 2019 27 - 28 August 2019



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## SUMMIT OBJECTIVES

This interactive forum between industry and university representatives will focus on knowledge sharing relating to a number of INDUSTRY DRIVEN INNOVATION PROJECTS including:

- An update on projects updates approved as part of the Australian Power Institute (API) & Energy Networks Australia Asset Management Committee Innovation Framework.
- Sharing of current outcomes and learnings between innovation project teams to identify synergies between projects (and also avoid duplication between projects).
- Providing forum to identify potential improvement opportunities through review by other industry and university representatives
- Promotion of universities research capabilities to industry (particularly through participation and exhibition).

## 2018 API/ENA INNOVATION PROJECTS

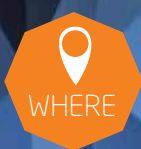
1. **MANAGEMENT OF VOLTAGES IN LV NETWORKS**  
Aims to develop a flexible modelling tool for LV networks using network data readily available within the associated distribution network service providers (DNSPs).
2. **CONDUCTOR CONDITION MONITORING**  
Investigates how to effectively monitor and assess the condition of overhead conductors for improved asset management in Australian distribution networks.
3. **QUANTIFYING EXTREME BUSHFIRE CONSEQUENCES**  
Aims to identify a standardised method for accurately assessing the potential costs of a bushfire by combining fire simulations with economic and decision analyses.
4. **SOLAR ENABLEMENT INITIATIVE (SEI)**  
Trials a new state estimation algorithm that estimates the networks' operational conditions in seven medium voltage distribution feeders in QLD, VIC, TAS to increase penetration of PV.
5. **UQ TRANSFORMER INNOVATION CENTRE (TIC)**  
Focuses on the asset management of power transformers in the modern electrical network while applying innovative research and industry experience to assist members' operations.

## 2019 API/ENA INNOVATION PROJECTS

1. **ELECTRIC VEHICLE (EV) CHARGING & GRID STORAGE**  
Studying industry needs to engineer new methods for operating and managing system loads and charging systems for EV.
2. **DER, MICRO GRIDS & EDGE OF GRID MANAGEMENT**  
Studying voltage stability and feeder management for distributed energy resources to enable control of low inertia systems, stability management and protection.



27th & 28th  
August 2019



Brisbane Airport  
Conference Centre



\$500 + GST Registration  
\$1,000 + GST University  
Exhibition Booth

## REGISTRATION & FURTHER INFO

**REGISTRATION CLOSING DATE FRIDAY 19 JULY 2019.**

VISIT THE FOLLOWING URL TO BEGIN REGISTRATION

(<https://purelycreative.currinda.com/register/event/1180>)

The venue is a 5 minute walk from the Brisbane Domestic Airport and both the accommodation options. Discounted Accommodation (if required) is to be arranged by attendee individually. You may choose between the Ibis Brisbane Airport or Pullman Brisbane Airport. Click the links on page 2 of brochure to begin booking.

**Conference Organiser:** Kendall Klingaman (API) **Email:** [kendall.klingaman@api.edu.au](mailto:kendall.klingaman@api.edu.au)

# PROGRAM SCHEDULE (Draft)

## DAY ONE: TUESDAY 27 AUGUST 2019

9:30 - 10:00	Registration				
10:00 - 10:30	Morning Tea				
10:30 - 11:15	Keynote Opening Address: Alex Wonhaus (Chief System Design & Engineering Officer - Australian Energy Market Operator)				
11:15 - 12:30	Opening Plenary Session with API & ENA Innovation Steering Group - Key Objectives & Aims - Wayne Tucker (General Manager: Regulation, Policy & Strategic Asset Management - TasNetworks) - Gerard Reiter (Executive Manager: Network Planning & Operations - TransGrid) - Craig Savage (General Manager: Network Asset Management - United Energy) - Steven Wachtel (Manager: Asset Management - SA Power Networks) - Monishka Narayan (Program Coordinator - Energy Networks Australia)				
12:30 - 2:00	Lunch & University Exhibition				
2:00 - 3:30	Innovation Projects/Initiatives Information Sharing by Project Teams (5 Sessions Run in Parallel)				
	SOLAR ENABLEMENT INITIATIVE (SEI)	MANAGEMENT OF VOLTAGES IN LV NETWORKS	CONDUCTOR CONDITION MONITORING	QUANTIFYING EXTREME BUSHFIRE CONSEQUENCES	UQ TRANSFORMER INNOVATION CENTRE (TIC)
3:30 - 4:00	Afternoon Tea & University Exhibition				
4:00 - 5:30	Interactive Session - Project Team Engagement with Broader Industry & University Representatives for Feedback & Input				
6:15 - 7:00	Pre-Dinner Drinks				
7:00 - 9:30	Onsite Summit Dinner (Included in Registration Fee)				

## DAY TWO: WEDNESDAY 28 AUGUST 2019

9:00 - 10:30	Identifying Potential Improvement Opportunities & Future Work for Projects (5 Sessions Run in Parallel)				
	SOLAR ENABLEMENT INITIATIVE (SEI)	MANAGEMENT OF VOLTAGES IN LV NETWORKS	CONDUCTOR CONDITION MONITORING	QUANTIFYING EXTREME BUSHFIRE CONSEQUENCES	UQ TRANSFORMER INNOVATION CENTRE (TIC)
10:30 - 11:00	Morning Tea				
11:00 - 12:30	Collective Sharing of Project Meeting Outcomes & Future Actions Across Project - Identify Overlap Issues & Collaboration Required				
12:30 - 1:30	Lunch & University Exhibition				
1:30 - 3:00	Innovation Project Scoping of 2019 Projects (2 Sessions Run in Parallel)				
	ELECTRIC VEHICLE (EV) CHARGING & GRID STORAGE		DER, MICRO GRIDS & EDGE OF GRID MANAGEMENT		
3:00 - 3:30	Conference Close				

## REGISTRATION & FURTHER INFO

**Registration:** \*Summit Dinner included in Registration  
<https://purelycreative.currinda.com/register/event/1180>

**Registration closing date: FRIDAY 19 JULY**

**Venue:** Brisbane Airport Conference Centre is located only a 5 minute walk from domestic terminal. Limited on site parking available for a fee.

**Accommodation:** If required, it is the responsibility of attendees to book individually. Discounted room rates have been secured at both the **Ibis** and **Pullman** located at the BNE Airport. Click the above hotel link to begin booking at discounted room rates.

**Technical inquiries:** To be addressed to The Australian Power Institute (API) Chief Executive, Mike Griffin ([mcgriffin@caloundra.net.au](mailto:mcgriffin@caloundra.net.au)).

**Event Website & More Information:**  
<https://api.edu.au/events/innovationsummit2019/>

## UNIVERSITY EXHIBITION

Universities are invited to host an exhibition booth during both lunches on Day 1 & Day 2, as well as during afternoon tea and conference drinks on day 1.

This is a great opportunity to showcase university capabilities, share research & development achievements and to network with both University and Industry across Australia.

**Exhibition Booth Cost:** \$1,000 + GST  
 \*Includes 1x Registration & Conference Dinner

**Limited number of booths available due to the function space.**

**If interested in booking, please contact Kendall Klingaman ([kendall.klingaman@api.edu.au](mailto:kendall.klingaman@api.edu.au)) to secure your booth position by 19 July 2019.**