# 2019 API Summer School

## API 2019 PROGRAM SCHEDULE (As of Feb 7)

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<tr>
<th>WEEK ONE</th>
<th>Sunday 17 Feb</th>
<th>Monday 18 Feb</th>
<th>Tuesday 19 Feb</th>
<th>Wednesday 20 Feb</th>
<th>Thursday 21 Feb</th>
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<tr>
<td></td>
<td>Breakfast 7-8.30</td>
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<td>8.30-9.30</td>
<td>Australia’s Electricity Markets – Some Strategy and Policy Issues&lt;br&gt;Bruce Mountain Carbon Markets P/L</td>
<td>Decentralised Energy Exchange that Allows Customers, Communities and Utilities to Trade Energy&lt;br&gt;Nigel Cleand&lt;br&gt;GreenSync</td>
<td>SITE TOURS:&lt;br&gt;CSIRO Energy Flagship&lt;br&gt;-Energy Storage&lt;br&gt;-HVAC Testing&lt;br&gt;-Solar PV Testing&lt;br&gt;&lt;br&gt;AusGrid Wallisend Control Centre</td>
<td>Energy Delivery Drivers, Key Issues and Future Evolution&lt;br&gt;Ty Christopher&lt;br&gt;Endeavour Energy</td>
<td>Energy Market Policy to Address Customer Expectations and Role of Energy Market Commission&lt;br&gt;Dr Julian Eggleston, AEMC’s Technical Specialist Director, Energy Market Commissioner</td>
<td>Field Visits Site Tours&lt;br&gt;Cessnock 33/11kV zone&lt;br&gt;Branxton 11kV Modular Equipment Room&lt;br&gt;4 cal/cm² full length arc rated clothing is required</td>
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<td>9.30-10.30</td>
<td>Bruce Cont.</td>
<td>Customer Distributed Generation Sources and Integration to the Grid&lt;br&gt;Dr. Geoff Walker QUT</td>
<td>Innovative Asset Management – The Journey&lt;br&gt;Murray Chandler&lt;br&gt;Head of Asset Strategy Performance &amp; Investment</td>
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<td>10.30-10.45</td>
<td>Morning Tea</td>
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<td>10.45-11.45</td>
<td>Customer Behaviour in the Energy Sector&lt;br&gt;Professor Rebekah Russell-Bennett</td>
<td>DER – System Integration Issues&lt;br&gt;Dr. Jenny Reisz AEMO</td>
<td>Designing our Networks for High DER Penetration&lt;br&gt;Mark Hibbert&lt;br&gt;Aurecon</td>
<td>Energy Regulation to Support an Agile, Innovative Industry Meeting Customer Expectations*&lt;br&gt;Kami Kaur&lt;br&gt;Director, Gas Pipelines&lt;br&gt;Australian Energy Regulator</td>
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<td>12.45-13.30</td>
<td>LUNCH</td>
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<td>1.30 – 2.00</td>
<td>Delegate Presentations</td>
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<td>2.00-3.00</td>
<td>KEYNOTE SESSION WORKSHOP Stakeholder Engagement in the Energy Sector Andrews Group Four Principles of Communication</td>
<td>Australia Solar and Storage – Transitioning to the Future</td>
<td>Moving Beyond the Substation to LV Orchestration-Operational Technology Environment.</td>
<td>Western Power Edge of Grid Case Studies Matt Cheney Head of Grid Transformation Western Power</td>
<td>Delegate free time</td>
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<td>3.00-4.00</td>
<td>WORKSHOP Recognising which relationships are important</td>
<td>SYNDICATE BRIEFING WITH FACILITATORS</td>
<td>Customer Demand Response and Demand Management Andrew Kingsmill TransGrid</td>
<td>Engineering to Management – How Can You Do Both. Brett Hooper Ausgrid.</td>
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<td>4.00-4.15</td>
<td>Afternoon Break</td>
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<td>4.15 – 5.30</td>
<td>WORKSHOP How to Build and Strengthen Stakeholder Relationships.</td>
<td>SYNDICATE WORK</td>
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<td>Evening</td>
<td>6:15 – Emergency briefing</td>
<td>8.30pm The Australian Power Institute Mike Griffin API</td>
<td>Evening Meal – Harrigan’s Irish Pub</td>
<td>Evening Meal – Margan’s Winery</td>
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<td>WEEK TWO</td>
<td>Sunday 24 February</td>
<td>Monday 25 Feb</td>
<td>Tuesday 26 Feb</td>
<td>Wednesday 27 Feb</td>
<td>Thursday 28 Feb</td>
<td>Friday 1 March</td>
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**Breakfast 7 – 8.30**

**8.30-9.30**
- Delegate Free time
- Transport to the following activities will be offered:
  - Golf
  - Hunter Valley Gardens
  - Mini Wine Tour
  - Possible day trip to Newcastle (TBC)
- Energy Storage Fundamentals
  - Peter Wolfs – CQ University
  - KEYNOTE SESSION
  - Energy Queensland Safety Program “Safety is Defence”
  - Andrew Bowe
  - Energy Queensland

**9.30-10.30**
- UNSW Energy Storage Case Study
  - Ahmad Ebadi and Darran Wu
  - TransGrid
- IEC61850 Implementation and Derived Asset Management Benefits
  - James Stokes, Principal, Jarrah Consulting.
- Network Transformation – Distribution System Operator Models
  - Stuart Johnston
  - Energy Networks Association

**10.30-10.45**
- Morning Break

**10.45-11.45**
- Endeavour Energy Battery Storage Initiatives
  - Romele Constantino
  - Customer Technology Program Manager
  - Endeavour Energy
- Cyber and Physical Security
  - Garry Bentil
  - Chief Information Officer
  - TransGrid
- The Redback Technologies Journey – Fundamentals and Challenges of a Start Up
  - TBA

**11.45-12.45**
- Effective Integration of Residential Battery Energy Storage Systems
  - Adrian Lloyd
  - Technology Innovation Engineer
  - Energy Queensland
- Power Transformer Design and Lifecycle Management
  - Ray Holzheimer
  - University of Queensland
  - Transformer Innovation Centre
- High-Power Charging (HPC) & Grid Interactions
  - Gavin Kennedy
  - Tritium

**12.45-1.30**
- LUNCH

**1.30 – 2.30**
- Syndicate Work
- Meeting External Infrastructure Providers Energy Needs
  - Mark De Lacey
  - Transport NSW
- Syndicate Work

**9.30-10.30**
- Keynote Sessions
  - UK Energy Industry Innovation
  - Randolph Brazier
  - Head of Innovation Energy Networks Association UK
  - CIGRE Paris 2018 Session

**10.30-11.30**
- Delegate Feedback
  - 10:45-11:30
- Bus depart to airport
  - 12:30-1:00pm

**12.30-1:30**
- Airport Transfers
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| 2.30-3.30 | Syndicate Work     | API & ENA Initiated Innovation Project; Solar Enablement Initiative – Project Objectives, Approach and Deliverables  
Olav Krause  
SEI Project Leader  
The University of Queensland | Syndicate Work | PRESENTATION of DELEGATE CERTIFICATES |
| 3.30 – 4.00 | Afternoon Tea | Afternoon Tea | Afternoon Tea | Afternoon Tea | Afternoon Tea | Afternoon Tea |
| 4.00 – 5.30 | Syndicate Work | Syndicate Work | Syndicate Work | | | |
| | | | | Industry Chief/Senior Executive Officer Forum based on theme:  
Ed Wilson: Managing Director Wilson Transformer Co.  
Phil Livingston: Managing Director Redback Technologies  
Wayne Tucker: General Manager Strategic Asset Management TasNetworks & API Board Chair  
Peter Langdon: Manager Asset Strategy and Planning, Endeavour Energy |
| Evening | | | | | | |
| | Delegates Voluntary “Special Interest Presentations” Session  
CIGRE NGN Presentation | | | Summer School Celebration Dinner | 6pm-late |