

API 2019 PROGRAM SCHEDULE (As of Feb 7)

WEEK ONE	Sunday 17 Feb	Monday 18 Feb	Tuesday 19 Feb	Wednesday 20 Feb	Thursday 21 Feb	Friday 22 Feb	Saturday 23 Feb
		<b>Supporting Changing Needs of Customers &amp; Community</b>	<b>Agile, Innovative Generation Mix</b>	<b>Field/Site Visits</b>	<b>Agile, Innovative Energy Delivery Sector</b>	<b>Electricity Markets Journey to the Future</b>	
Breakfast 7-8.30							
8.30-9.30		Australia's Electricity Markets – Some Strategy and Policy Issues  Bruce Mountain Carbon Markets P/L	Decentralised Energy Exchange that Allows Customers, Communities and Utilities to Trade Energy  Nigel Cleand GreenSync	SITE TOURS:  CSIRO Energy Flagship -Energy Storage -HVAC Testing -Solar PV Testing  AusGrid Wallsend Control Centre	Energy Delivery Drivers, Key Issues and Future Evolution  Ty Christopher Endeavour Energy	Energy Market Policy to Address Customer Expectations and Role of Energy Market Commission  Dr Julian Eggleston, AEMC's Technical Specialist, Energy Market Commissioner	Field Visits Site Tours  Cessnock 33/11kV zone  Branxton 11kV Modular Equipment Room
9.30-10.30		Bruce Cont.	Customer Distributed Generation Sources and Integration to the Grid-  Dr. Geoff Walker QUT		Innovative Asset Management – The Journey  Murray Chandler Head of Asset Strategy Performance & Investment	Energy Markets, Drivers, Key issues and Possible Future Evolution”  Craig Savage	<b>4 cal/cm2 full length arc rated clothing is required</b>
10.30-10.45		Morning Tea	Morning Tea		Morning Tea	Morning Tea	
10.45-11.45		Customer Behaviour in the Energy Sector  Professor Rebekah Russell-Bennett   School of Advertising, Marketing and Public Relations  QUT Business School	DER – System Integration Issues  Dr. Jenny Reisz AEMO		Designing our Networks for High DER Penetration  Mark Hibbert Aurecon	Energy Regulation to Support an Agile, Innovative Industry Meeting Customer Expectations”  Kami Kaur Director, Gas Pipelines  Australian Energy Regulator	
11.45-12.45		Residential and Small Business Energy Customers Interests re Price, Quality, Safety, Reliability and Security  David Havyatt Energy Consumers Australia	Renewable Generation – Wind Case Studies  Cameron Garnsworthy Managing Director  juwi Renewables		Analytics and Big Data – Facilitating Agile, Innovative Energy Networks  Tobie de Villiers Network Intelligence Manager United Energy	Australian Energy Market Operator Role in Transitioning to the Future  Craig Price Australian Energy Market Operator	

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12.45-1.30		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	
1.30 – 2.00		Delegate Presentations	Delegate Presentations		Delegate Presentations	Delegate Presentations	
2.00-3.00		<b>KEYNOTE SESSION</b>  <b>WORKSHOP</b>  Stakeholder Engagement in the Energy Sector  Andrews Group  Four Principles of Communication	Australia Solar and Storage – Transitioning to the Future   Steve Blume Chairman Smart Energy Council		Moving Beyond the Substation to LV Orchestration-Operational Technology Environment.   Simon English  Energy Queensland	Western Power Edge of Grid Case Studies  Matt Cheney Head of Grid Transformation Western Power	Delegate free time
3.00-4.00		<b>WORKSHOP</b>  Recognising which relationships are important	<b>SYNDICATE BRIEFING WITH FACILITATORS</b>		Customer Demand Response and Demand Management  Andrew Kingsmill TransGrid	Engineering to Management – How Can You Do Both.  Brett Hooper Ausgrid.	
4.00-4.15		Afternoon Break	Afternoon Break		Afternoon Break	Afternoon Break	
4.15 – 5.30		<b>WORKSHOP</b>  How to Build and Strengthen Stakeholder Relationships.  Australian Energy Consumers Current & Future Expectations & Drivers  Mike Swanston The Customer Advocate	<b>SYNDICATE WORK</b>		<b>SYNDICATE WORK</b>	<b>SYNDICATE WORK</b>	
Evening	6:15 – Emergency briefing	8.30pm The Australian Power Institute  Mike Griffin API				Evening Meal – Harrigan’s Irish Pub	Evening Meal – Mangan’s WInery

## 2019 API Summer School

WEEK TWO	Sunday 24 February	Monday 25 Feb	Tuesday 26 Feb	Wednesday 27 Feb	Thursday 28 Feb	Friday 1 March
		Journey to the Future with Energy Storage	SAFETY KEYNOTE SESSION & Innovation and Agility in Asset Management	Evolution of New Businesses – an Agile, Innovative Industry	Syndicate Presentations Day	Global Innovation
Breakfast 7 – 8.30	Breakfast 8.00 – 10.30 am					
8.30-9.30	Delegate Free time  Transport to the following activities will be offered:  -Golf  - Hunter Valley Gardens	Energy Storage Fundamentals  Peter Wolfs – CQ University	KEYNOTE SESSION  Energy Queensland Safety Program “Safety is Defence”  Andrew Bowe Energy Queensland	Collaborative Innovation Framework between API & ENA -Innovation Projects Supporting the Power Industry  Mike Griffin Chief Executive API	Syndicate Presentations	KEYNOTE SESSION  UK Energy Industry Innovation  Randolph Brazier Head of Innovation Energy Networks Association UK  CIGRE Paris 2018 Session
9.30-10.30	- Mini Wine Tour  - Possible day trip to Newcastle (TBC)	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	Syndicate Presentations	Major Innovation Initiatives David Bones Chair CIGRE ANC Technical Committee
10.30-10.45		Morning Break	Morning Break	Morning Break	Morning Break	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	Syndicate Presentations	Delegate Feedback 10:45-11:30  Bus depart to airport  12:30-1:00pm
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	Syndicate Presentations	
12.45-1.30		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1.30 – 2.30		Syndicate Work	Meeting External Infrastructure Providers Energy Needs  Mark De Lacey Transport NSW	Syndicate Work	Syndicate Presentations	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	
4.00 – 5.30		Syndicate Work	Syndicate Work	Syndicate Work	Industry Chief/Senior Executive Officer Forum based on theme:  “AGILE – INNOVATIVE – SUPPORTIVE: Journey on the Energy Revolution – An Agile Innovative Energy Industry Supporting the Changing Needs of Customers, Community and Shareholders”  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	