



Please join SENG SA and EESA for a symposium on:

Energy - Driving Our Society



Venue	The Vines - 1 Pine Road, WOODCROFT, SA 5162 - Corner Reynell Road & Mark Street, Happy Valley.
Date	Wed 23 April 2014 8.30am to 1.30pm; Followed by optional golf from 2.00pm.
Who	Anyone involved in energy now and in the future

Hear from a Range of Experts and Industry Advocates:

Adj Prof David Hood AM, 2012 President of Engineers Australia

Chris Dalitz, Snr Consulting Engineer at Essential Energy

David Swift, Executive General Manager at AEMO

Prof Gus Nathan, Director of the Centre for Energy Technology

Graham Davies, MD Resonant Solutions and Dep Chair SENG

Dr Rob Dickinson, Director of Hydricity Systems Australia

Matthew Curnow, MD Pangolin Associates

Charge your neurons with Knowledge and Inspiration

- ✓ *Clarity on the Climate and Clean Energy*
- ✓ *Demonstration of the latest Electric Vehicle (EV)*
- ✓ *Integrating Renewables into a Smart Grid*
- ✓ *Storage Technologies: Hydrogen, Battery*
- ✓ *Current Market Reform and Regulatory issues*
- ✓ *The Economic and Energy opportunities for SA*
- ✓ *Embodied Energy - the largest energy user*
- ✓ *Energy Efficiency and EMB case studies*

Price includes Morning Tea, Lunch and GST.

9 holes of golf compliments of The Vines. Club hire \$20 or BYO. Balls/tees from Proshop

	Early Bird*	Normal
Non Members	\$ 95	\$ 110
Members (SENG, EESA or EA)	\$ 70	\$ 85
Students	\$ 45	\$ 55

*Early bird prices are for registration prior to 3rd April 2014

Event earns 3 CPD points

Event Contact: Engineers Australia South Australia –Member Programs Coordinator Ashlea Klingberg

Phone (08) 8202 7100 or Email sa@engineersaustralia.org.au

REGISTER HERE: <https://www.engineersaustralia.org.au/events/energy-driving-our-society>

Registration closes on 21/4/2014. No refunds for cancellation after this date; however, a substitute will be accepted. Please advise the name of the substitute prior to the event. ABN 63 020 415 510

PROGRAM

8.30	Registration and Coffee
8.50	Welcome: Kevin Stevens, SENG. Martyn Pearce, EESA
9.00	Adj Prof David Hood AM HonFIEAust CPEng FIPENZ FISEAM; <i>2012 National President of Engineers Australia; Founder of a number of businesses. International Leader.</i> “Framing the problem of Energy, Climate Change and Sustainability” Why going beyond "green", and transforming your business to a "blue" economic model will be critical to surviving the coming sustainability crisis.
9:25	Prof Graham ‘Gus’ Nathan FIEAust, MAIE; <i>Director of University of Adelaide's Centre for Energy Technology.</i> “Pathways to a clean energy future”
9.50	David Swift ; <i>Executive General Manager Australian energy Market Operator (AEMO).</i> “Latest developments on the National Electricity Market” What are the possible outcomes of the current review of peak and base load pricing, its impact on Feed in Tariffs.
10:15	Chris Dalitz FIEAust CPEng, ME-Energy Policy and Planning; <i>Senior Consulting Engineer at Essential Energy; Past President EESA.</i> “Medium scale renewable energy integration into the grid.” Embedded generation/distributed generation and its increasing market share. “Electric Vehicles in Australia” Demonstration of an electric vehicle. The electric vehicle has the potential to become a key mode of transport, and also a means of balancing the grid as a storage mechanism.
10.55	Morning Tea
11.15	Graham Davies CPEng MAICD; <i>Director Resonant Solutions; Deputy Chair SENG.</i> “Energy: Total Energy Flows in Australia – where it comes from, where it goes to.” Embodied energy accounts for over 5x direct residential use in electricity, gas and petrol.
11.30	Dr Rob Dickinson PhD MIEAust MAIE; <i>Director Hydricity Systems Australia.</i> “South Australia: a region of globally high economic opportunity for power-to-fuel.” Hydrogen and electricity: mutually synergistic clean energy commodities
11.45	Matthew Curnow ; <i>MD Pangolin Associates.</i> “Energy Efficiency – case studies in manufacturing.”
12:00	Panel discussion: Speakers on the panel and Attendee participation Theme: “Energy – Driving our Society; Steering our Future” <ul style="list-style-type: none"> • How has energy impacted on society, the economy and environment? • What drives energy demand/supply? • What is the energy mix for the future? • Bring your energy queries and suggestions.
12:50	Thanks and closing remarks
13.00	Lunch
13:45	Golf – Hit off; Ambrose format

The abundance of fossil fuel energy has allowed us to achieve a high standard of living, and is possibly the defining characteristic of modern civilisation; however the risk of serious disruption to society and the environment requires a concerted effort and an ability to adapt.

This symposium aims to assist business, government and individuals to deal with these issues.