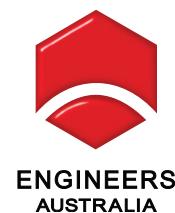
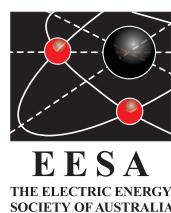


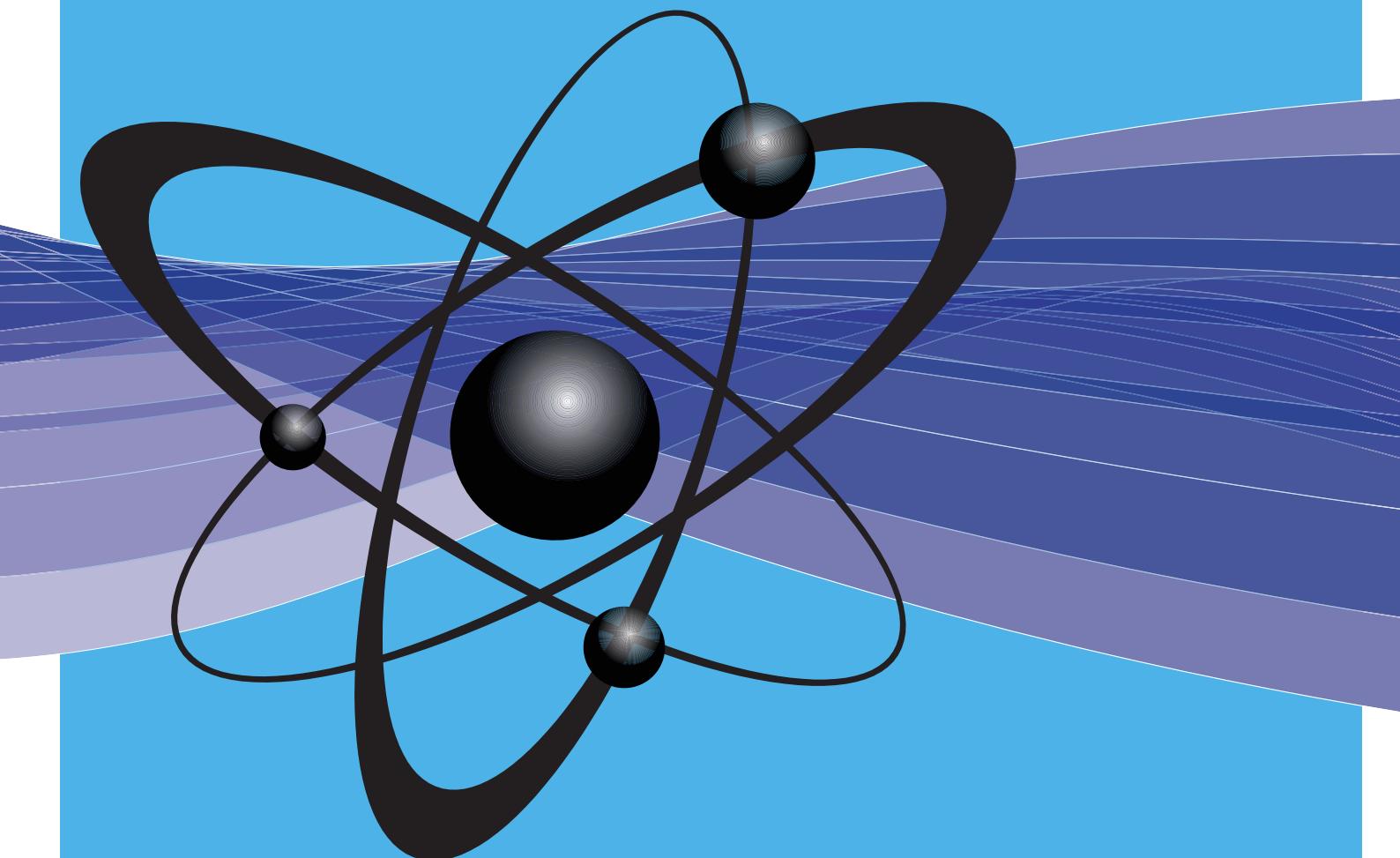
A Technical Training Initiative of the Electric Energy Society of Australia



EECON 2014

Energy networks - evolutionary transformation or death spiral?

12 & 13 November 2014 - Australian Technology Park, Sydney



www.etouches.com/ehome/eecon2014

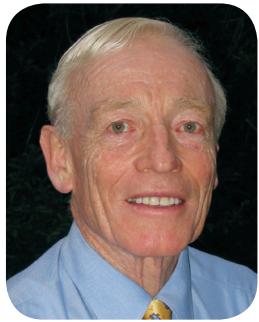
Proudly supported by our gold sponsors...



**Endeavour
Energy**



TransGrid



An invitation from the NSW Chapter Chairman

EECON 2014, the EESA NSW Annual Conference & Trade Exhibition, will be held at the Australian Technology Park Eveleigh on 12 & 13 November.

The theme of the conference this year is Energy networks - evolutionary transformation or death spiral?

Electricity networks, consisting of both transmission and distribution systems, face ongoing and serious challenges in the years ahead. It was ever thus but a major new issue is the introduction of two way energy flows caused by local solar and wind generation. This presents not only a technical challenge but also a financial problem which can affect the viability of each organisation. Other major issues include pricing which is under great scrutiny, and power quality as more loads are controlled with power electronics. Concurrently networks, at minimal cost to the customer, must:

- ensure reliability and adequate power quality,
- reduce carbon emissions,
- maintain adequate customer service,
- moderate electricity rates,
- manage aging infrastructure,
- address skills and staff depletion,
- manage two way energy flows,
- plan for extreme weather concerns i.e. bushfires and floods.

At EECON 2014 you will have the opportunity to input to these issues and following discussion with experts, you will come away with an understanding of the methods and tools which are planned, as well as those which have worked successfully. This will prepare you for involvement in implementing the necessary solutions.

This is a technical conference, providing ongoing professional development for technical people in the electricity industry. It is a great way for members of Engineers Australia to earn professional development points.

To enable partner education, my sister Ann Mills will host a guided tour of the historic Cockatoo Island, followed by lunch.

We look forward to welcoming everyone to EECON in November 2014.

A handwritten signature in black ink that reads "Bob Smith".

Bob Smith
NSW Chapter Chair



EECON NSW : Wednesday 12 November

09.00 WELCOME AND OFFICIAL OPENING

Robert Barr
EESA National President

09.15 KEYNOTE ADDRESS: The Engineering Profession in the Electricity Supply Industry

Alex Baitch, National President, Engineers Australia

10:00 Morning Tea and Exhibition Viewing

10.30 Energy networks - evolutionary transformation or death spiral?

Panel session:

- Peter McIntyre, Managing Director, TransGrid
- John Bradley, CEO, Energy Networks Association
- Bob Simpson, President, Electricity Engineers' Association (NZ)
- John Hardwick, Group Executive Network Strategy, Networks NSW
- Cameron O'Reilly, CEO, Energy Retailers Association of Australia

12:30 Lunch and Exhibition Viewing

SESSION 1 - CONCURRENT SESSIONS

Integrating renewables into networks - synergies or sinks?

13.30 Transforming distribution networks with energy storage under co-optimised control

Geoff James, Reposit Power

14.00 Operational practicalities of integrating embedded generation

Andrew Mitchell, Essential Energy

14.30 Batteries and PVs - made for each other

Prof Tony Vassallo, University of Sydney

Smart Grid, Smart Cities - putting the lessons learnt to work

13.30 Smart Grid, Smart Cities - putting the lessons learnt to work

Robert Simpson/Rachele Williams, Ausgrid

14.00 Smart Grid Initiative

Dept of Industry (invited)

14.30 CSIRO - Future Grid Forum

Dr John K Ward, CSIRO

15:00 Afternoon Tea and Exhibition Viewing

SESSION 2 - CONCURRENT SESSIONS

Large ambitious energy projects - do they have a future?

15.30 Delivering the dream - Nyngan solar farm connection

Col Hackney & Ben Bates, Essential Energy

16.00 Changing role of gas in the Australian energy market

Terry Grimwade, AEMO

16.30 Colongra gas power station - new roles in new times

Greg Everett, Delta Electricity

Innovations in electricity networks

15.30 Use of Lidar and UAV for line design and vegetation management

Drew Rodwell, Endeavour Energy

16.00 Update on utility applications of superconducting technologies

John Wright-Smith, AMSC

16.30 Condition assessment of OH conductors

Tom Ruzeu, Jemena

17:00 Close of day one

18:00 - Conference Dinner - The Australian Museum Cnr College & William Sts, Sydney

Conference dinner kindly supported by



EECON NSW : Thursday 13 November

08.00	EESA National AGM	
08.30	EESA NSW Chapter AGM	
SESSION 3 - CONCURRENT SESSIONS		
	Safety revisited - everyone a winner or staying alive!	Skills, training and enhancing individual development
09.00	Infrastructure resilience and emergency response Geoff Douch, Wellington Electricity	09.00 CIGRE Next Generation Network Winodh Jayewardene, CIGRE
09.30	Safety on multiple earthed neutral system Simon Lewis, Endeavour Energy	09.30 EEA - New modes of training delivery David Williams, Engineering Education Australia
10.00	Advances in PPE in utilities Darren Jenkins, Ausgrid	10.00 API - History and future Mike Griffin, The Australian Power Institute
10.30	Morning Tea and Exhibition Viewing	
SESSION 4 - CONCURRENT SESSIONS		
	Regulatory regimes and networks - simplifying the complex framework to the benefit of all	Consumer mega trends threatening the electric utilities current business model (and profits)
11.00	Energy Networks Association Garth Crawford, ENA	11.00 The smarter home - threat or opportunity for network business models? Mark Paterson, CSIRO Energy Transformed Flagship
11.30	Economic benchmarking - Why an engineer should care? Matt Cooper, Ausgrid	11.30 Energy down, profit up? Network productivity in the new energy paradigm Chris Dunstan, UTS
12.00	Lunch and Exhibition Viewing	
SESSION 5 - CONCURRENT SESSIONS		
	Disruptive technologies revisited	New research applied to networks
13.00	PVs and distribution feeders - too many too soon? Leith Elder, Essential Energy	13.00 VLF testing Toan Phung, University of NSW
13.30	Power quality state estimation - a new concept Neville Watson, University of Canterbury, NZ	13.30 Power quality research and developments at UOW: past, present and the future Sarah Perera, University of Wollongong
14.00	Afternoon Tea and Exhibition Viewing	
14.20	Presentation of Cresswell and Conway Prizes 90 Years for EESA Chris Dalitz Presentation on CIRED Rome Workshop and CIGRE Paris Session Peter Dulhunty and Patrick McMullan	
FINAL PLENARY SESSION		
	Networks in 2020 - Still hanging in there or gone forever?	
15.15	Mark Paterson, CSIRO Energy Transformed Flagship Professor Michael Dureau AM , Deputy Chairman, The Warren Centre for Advanced Engineering	
16.25	Closing remarks	
16.30	Conference close	

The program of papers and speakers may be subject to change.
Please refer to the EECON website for program updates at

www.etouches.com/ehome/eecon2014



CONFERENCE VENUE

Australian Technology Park Bay 4

Henderson Road
Eveleigh, Sydney
www.atp.com.au

ACCOMMODATION

Mercure Sydney Hotel

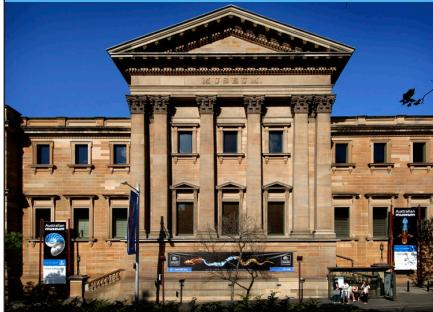
818-820 George Street, Sydney

Tel 02 9217 6666

Fax 02 9217 6616

www.mercuresydney.com.au

Standard Room: \$220.00 room only
\$240.00 room + breakfast for one
(easy train access to Australian Technology Park)



Source: © The Instituto Nacional de Antropología e Historia (INAH)

Photographer: Michel Zabe

Conference Dinner

Wednesday 12 November

Venue: The Australian Museum
Cnr College & Williams Sts, Sydney

Time: 18:00 - 23:00

Cost: Inclusive for full delegates.
Guests \$80.00

Dinner and soft drinks included.
Cash bar available.

Experience the glorious and dramatic story of the Aztec Empire with over 200 cultural treasures from Mexico's major museums. A private tour of the exhibition will be available prior to the dinner from 6-7pm.

Kindly sponsored by...

Schneider
Electric

Partner Program

Wednesday 12 November

Cockatoo Island

Cockatoo Island has a long and illustrious history dating back to the time of first settlement, playing a significant role in the development of Sydney and the nation. Once a convict prison, then an industrial school for girls and finally, Australia's biggest shipyard. Come and immerse yourself in the history of Cockatoo Island.

The tour involves quite a bit of walking on different levels and is mainly outdoors. A wet weather tour at a different location will also be available should the tour need to be cancelled due to bad weather conditions.

The tour will conclude with lunch.

Cost: \$40.00
(includes guided tour and lunch)

General Information

Location

The Australian Technology Park (ATP) is located approximately 5km from Sydney's central business district and within 200m of Sydney's rail network. The nearest station is Redfern where you can exit via platform 10 and follow the walkway directly through to the ATP.

Parking is available at the ATP. Drive in via the main entrance on Henderson Road and turn left onto Central Ave. Park in the carpark of the Media City Building. Collect your ticket at the boom gate and bring it to the registration desk to receive a complimentary car parking ticket (limited to one per day).

The bus stop closest to the ATP is on the corner of Boundary and Regent Street. For bus timetables call the Transport Infoline on 131 500 or visit www.transportnsw.info

CPD points

Attendance may be credited towards Engineers Australia Continuing Professional Development (CPD) requirements. Engineers Australia members are required to undertake a minimum of 150 hours of CPD every 3 years.

Conditions and Cancellations

Conference: If you are unable to attend the conference, a substitute delegate is welcome at no extra charge. Where no substitute is available, a fee of \$165.00 will be deducted from your registration fee for cancellations received by The Meetings Manager Pty Ltd in writing at least 28 days prior to the event.

No refunds will be made for cancellations received after Wednesday 15th October.

Exhibition: In the event of cancellation, exhibitors are requested to inform The Meetings Manager Pty Ltd in writing. Unless the space can be resold, the organisers reserve the right to retain any monies paid.

Exhibits should meet the aesthetic and professional standards of the conference. Promotional activity should not impinge on or directly interfere with any other exhibitor.

Exhibitors are liable for any damage they cause to the venue and the exhibition booths. It is the responsibility of the exhibitor to arrange insurance for items within their exhibition. Exhibitors must have public liability insurance for this event.

Hotel cancellation: Cancellations made within 30 days may be subject to the hotel's cancellation policy and may be charged for one night's accommodation. On the day of arrival "no shows" and cancellations will be fully charged.

Program changes

The program of papers and speakers may be subject to change. Please refer to the EECON website for program updates at

www.etouches.com/ehome/eecon2014

Fees & charges

All fees and charges include GST.

Registration

To register for the conference, social functions, partner program, please register online at

www.etouches.com/eecon2014

Or use the forms included in this booklet.

Registration forms can be either faxed or mailed to...

The Meetings Manager Pty Ltd
Suite 16, 7 Rosebery Place
Balmain, Sydney NSW 2041
Tel: 02 9810 7322
Fax: 02 9810 7320

Our privacy policy

By registering for this conference, relevant details will be held on a database by The Meetings Manager Pty Ltd and EESA. A delegate list will be provided to all conference participants (name, position and organisation only).

Information may also be made available to parties directly related to the conference including sponsors and/or exhibitors. If you do not wish your information to be used in this manner, please advise The Meetings Manager Pty Ltd by email to meetings@tmm.com.au or by fax to 02 9810 7320.

Exhibition registration form

To book your exhibition space please complete this form and forward to The Meetings Manager Pty Ltd
Fax: 02 9810 7320, email: meetings@tmm.com.au or mail: Suite 16/7 Rosebery Place, Balmain NSW 2041

Name

Position

Organisation

Address

Postcode

Telephone

Mobile

Email

Exhibition registration fees (incl GST)

3m x 3m booth	\$3135.00 (1-17)
2m x 1m pod stand	\$1760.00 (19-21)

Package includes

- Walls - 2.5m high matt anodised frame with laminated infills - custom digital printed infill available at an additional cost. The number of walls depends on booth location. End booths will only have one side wall and one back wall.
- Fascia - white laminated infill with black vinyl lettering (max 26 characters).
- Lighting - 2 x 150-watt spotlights per booth, mounted on light track inside fascia.
- Power - 1 x 240 volts/1000 watt/4 amp general purpose outlet per booth.

*additional furniture packages, equipment or telephone lines can be arranged at the exhibitors cost.

Features include

- ✓ Acknowledgement in the conference handbook
- ✓ One (1) conference registration: includes attendance to the conference sessions, conference documentation, and conference dinner.
- ✓ 5 guest passes for your customers to view the exhibition between 2-5pm Wednesday

Additional features for 3m x 3m booth exhibitors

- ✓ 2 minute presentation to conference delegates on your product or service during concurrent sessions
- ✓ One (1) Exhibition staff: includes day catering for the duration of the conference.

Location preference: Booth:

1st preference []

2nd preference []

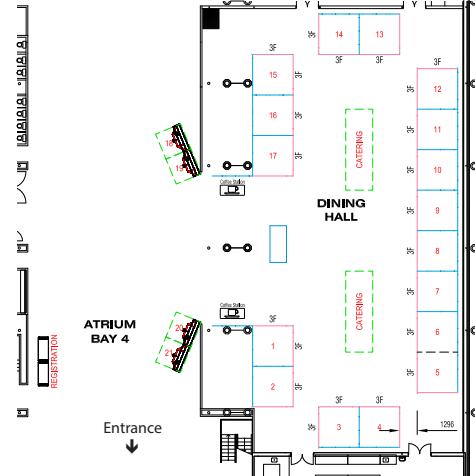
3rd preference []

Please indicate your location preference as per the floor plan. Booths will be allocated on 'first come, first served' basis and on receipt of payment.

For the latest floor plan please go to

www.etouches.com/ehome/eecon2014/exhibitors/

OR contact The Meetings Manager Pty Ltd on 02 98107322



Payment details

A cheque payable to The Meetings Manager Pty Ltd is enclosed

I would like to pay via EFT, please send me an invoice

Please charge the following credit card: Mastercard Visa Amex

Card Number Expiry Date / CCV

Signature

Cardholder name

(credit card payment not valid without signature)

Delegate registration form

To register: fax this form to 02 9810 7320
or register online at www.etouches.com/eecon2014

Last Name _____ Title _____ First Name _____

Preferred name for name badge _____

Position _____ Organisation _____

Address _____

City _____ State _____ Postcode _____ Country _____

Telephone () _____ Mobile _____

Email _____ Dietary Requirements: _____

Registration fees

	EESA Members	Non Members
Earlybird (register and pay before 30 September; includes conference dinner)	\$675.00 <input type="checkbox"/>	\$800.00 <input type="checkbox"/>
Standard fee (includes conference dinner)	\$750.00 <input type="checkbox"/>	\$875.00 <input type="checkbox"/>
Single day (conference dinner not included). Day attending: <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday	\$410.00 <input type="checkbox"/>	\$460.00 <input type="checkbox"/>
Special Offer: Non-members registration plus new EESA membership (1 year)	\$820.00 <input type="checkbox"/>	

Social function

 (inclusive for two day conference attendees. Please tick if attending)

Conference dinner Attending* Not attending *Are you interested in joining a tour of the Aztec Empire Exhibit? (Allocated tour times will be advised closer to the event)

Conference dinner: Guest only No. of guests @ \$80.00

Guest's name/s _____

Partner program

Cockatoo Island Tour and Lunch \$40.00 per person Partner's name _____

Accommodation: Mercure Sydney

Please provide credit card details to guarantee your booking. These details will be made available to the hotel and a deposit equivalent to one night's accommodation may be charged by the Mercure Sydney. You will be responsible for paying your account directly to the hotel on your departure. Accommodation is subject to availability.

Mercure Sydney Standard room - room only x 1 \$220.00 Standard room + breakfast x 1 \$240.00

Please reserve rooms as above Arriving / Departing /

Payment Details

 By completing your registration, you agree with the Terms & Conditions which can be found at www.tmm.com.au

A cheque payable to The Meetings Manager Pty Ltd is enclosed

I would like to pay by EFT, please invoice me

Please charge the following credit card: Mastercard Visa Amex

Card number Expiry date / CCV

Signature _____ Cardholder's name _____

(credit card payment not valid without a signature)

Totals

Conference registration fee \$ _____

Social functions \$ _____

Total paid \$ _____

Save time - Register online www.etouches.com/eecon2014

Register manually and fax or mail completed form to:

The Meetings Manager Pty Ltd

Suite 16/7 Rosebery Place

Balmain NSW 2041

Tel: 02 9810 7322 Fax: 02 9810 7320

Email: meetings@tmm.com.au



the meetings manager

Note: all fees include GST

