

10PCEE2015

10th Pacific Conference on Earthquake Engineering

6-8 November, 2015

The Menzies Sydney
Sydney, New South Wales, Australia



ABOUT

The Australian Earthquake Engineering Society (AEES) and the New Zealand Society for Earthquake Engineering are co-hosting the Tenth Pacific Conference on Earthquake Engineering (PCEE) in Sydney, Australia.

The November 2015 conference provides a forum for practitioners and researchers to present and evaluate the latest developments and experience in mitigating the effects of earthquakes and earthquake related hazards.

This conference will challenge participants to define how to work toward “Building an Earthquake Resilient Pacific” by re-evaluating the requirements of a truly resilient society. Special sessions will focus on building the social, economic and management aspects as well as the technical preparation required by the cascading system failures often observed during earthquakes.

PRESENTERS

Our keynote/invited presenters are:

Prof Jack Baker (USA)

Mr David Brunsdon (NZ)

Dr Hugh Cowan (NZ)

Prof Ken Elwood (NZ)

Prof Masayoshi Nakashima (Japan)

Dr Hong Kie Thio (US)

Prof John Wilson (Aust)

Assoc Prof Brendan Bradley (NZ)

Mr Alistair Cattanach (NZ)

Dr J.C. de la Llera (Chile)

Mr Gary Gibson (Aust)

Dr Tim Sullivan (Italy)

Prof Ikuo Towhata (Japan)

VENUE

The conference will be held at the Menzies Hotel in the centre of Sydney, Australia. Sydney, one of the world's most multicultural and liveable cities in the world, is the most populous city in Australia and Oceania and home to one of the world's largest natural harbours. Famous for its iconic Opera House, Harbour Bridge and Bondi Beach, Sydney offers something for everybody.

Sydney has been ranked amongst the top 15 cities in the world for tourism every year since 2000. Visitors can experience first-hand it's natural beauty and culture around Sydney Harbour and the historic Rocks and explore it's famous beaches, parks and the Blue Mountains.

CONFERENCE THEMES

Earthquake Hazards & Demands

- Seismic and tsunami hazards of the Southwest Pacific;
- Active faults, including intraplate regions;
- Seismic ground deformation;
- Strong ground motion analysis, modelling and simulation;
- Ground motion amplification and site response;
- Conditional spectrum & time histories.



Earthquake Engineering

- Seismic design and assessment of structures in regions of low to moderate seismicity;
- Displacement-based design and assessment of structures;
- Innovative damage-resistant technologies in seismic design;
- Strengthening and retrofitting technology;
- Unreinforced masonry structures;
- Non-structural damage.

Earthquake Policy – Codes, Damage Assessment, Mitigation, Recovery

- Damage assessment, insurance and their impacts on recovery;
- Implementing research into building codes;
- Strengthening and retrofitting policy;
- Seismic risk and loss analysis;
- Recent earthquake lessons.





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KEYNOTE & INVITED SPEAKERS & TOPICS

Earthquake Hazards & Demands

Keynote Speaker

Jack Baker (US)

Ground motion selection for performance-based engineering, and the Conditional Mean Spectrum as a selection tool

Invited Speakers

Brendon Bradley (NZ)

Christchurch Ground Motions – Why so Strong?

Gary Gibson (AUS)

Earthquake Hazard in the Southwest Pacific Region

Hong Kie Thio (US)

Tsunami Hazards of the Pacific Rim

Ikuo Towhata (Japan)

Seismic Ground Deformation

Earthquake Engineering

Keynote Speaker

Masayoshi Nakashima (Japan)

Lessons from Recent Earthquakes and Large Shaking Table Tests in Japan

Invited speakers

Tim Sullivan (Italy)

Motives for and impediments facing Direct Displacement-Based Seismic Design

Alistair Cattanach (NZ)

Retrofit in practice: Structural / Architectural considerations

J.C. de la Llera (Chile)

The 2010 Chile Earthquake: a five-year reflection

Earthquake Policy - Codes, Mitigation, Response, Recovery

Keynote Speaker

Ken Elwood (NZ)

Post-Earthquake Decision for RC Buildings: Lessons from Canterbury and Emerging Challenges

Invited speakers

Hugh Cowan (NZ)

Role of Insurance in Recovery

Dave Brunsdon (NZ)

Keeping Earthquake Engineering Objectives in Perspective: A 2020 View

John Wilson (AUS)

Hazard Identification and Behaviour of Reinforced Concrete Framed Buildings in Regions of Lower Seismicity



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Pre-Conference Program

Thursday 5 November 2015

6.00pm – 8.00pm

Seismologists Meeting (to register or for more information email webmaster@aees.org.au)

6.00pm – 8.00pm

Nepal Earthquake Meeting (by invitation only)

Conference Program

Friday 6 November 2015

8.00am Registration

8.30am Conference Commences

8.45am Keynote Session

9.30am Plenary Session

10.50am Morning Tea / Posters

11.30am Concurrent Session 1

1.30pm Lunch

2.30pm Concurrent Session 2

4.00pm Afternoon Tea / Posters

4.30pm Concurrent Session 3

7.30pm Welcome Reception - MV Epicure on Sydney Harbour

Saturday 7 November 2015

8.00am Registration

8.15am Keynote Session

9.00am Plenary Session

10.30am Morning Tea / Posters

11.00am Poster Session

12.30pm Concurrent Session 4

1.30pm Lunch

2.30pm Concurrent Session 5

4.00pm Afternoon Tea / Posters

4.30pm AEES Annual General Meeting

7.00pm Conference Dinner - Maritime Museum, Darling Harbour

Sunday 8 November 2015

8.00am Registration

8.15am Keynote Session

9.00am Plenary Session

10.10am Morning Tea / Posters

11.00am Concurrent Session 6

1.00pm Lunch

2.00pm Concurrent Session 7

3.30pm Afternoon Tea / Posters

4.00pm Concurrent Session 8

5.00pm Conference Closing / Awards

5.15pm Conference Ends

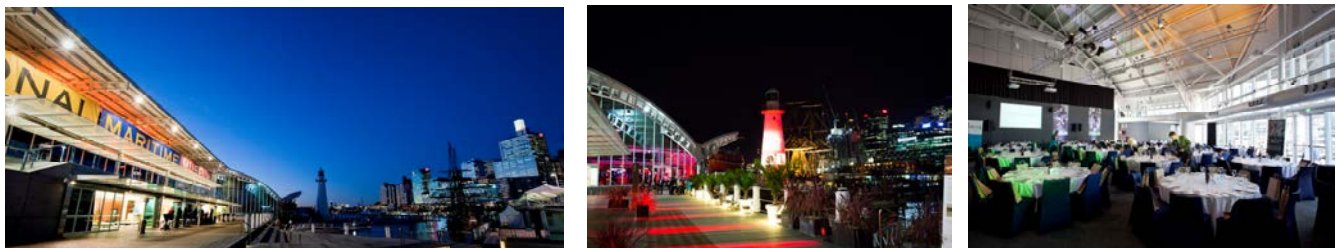
SOCIAL EVENTS

Friday 6 November – Welcome Reception



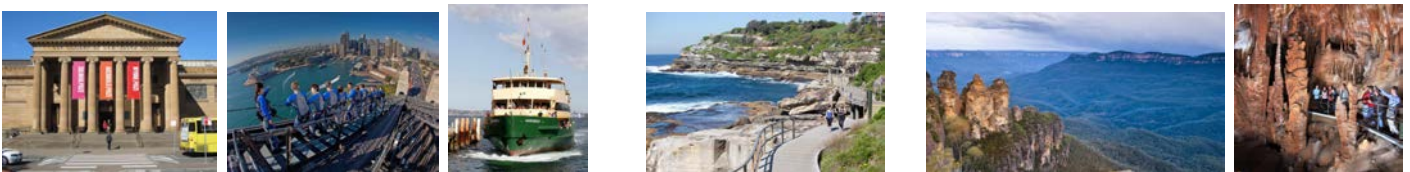
Join us aboard the MV Epicure, a unique, state of the art luxury motor vessel with sweeping 360° views of the Sydney harbourside through an architecturally designed glass exterior complete with wrap around balcony. We will enjoy contemporary cuisine prepared using fresh regional produce, matched with a carefully selected range of boutique wines. Partners and children most welcome.

Saturday 7 November – Conference Dinner

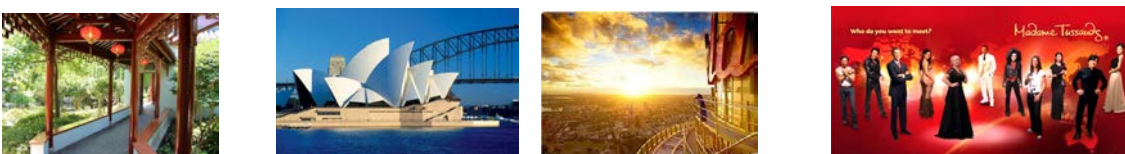


Join us for pre-dinner drinks on board the ex-Naval destroyer the HMAS Vampire, moored at Darling Harbour. A unique and unforgettable vantage point! Dinner will then be served in the Lighthouse Gallery, part of the Australian National Maritime Museum, set on the Darling Harbour waterfront and offering expansive views of the harbour and the city skyline. Partners and children very welcome.

SIGHTSEEING SUGGESTIONS



[Art Gallery of NSW](#) [BridgeClimb](#) [Ferry to Manly](#) [Bondi to Coogee Coastal Walk](#) [Blue Mountains & Jenolan Caves](#)



[Chinese Garden of Friendship](#) [Opera House](#) [Sydney Tower Eye \(with optional Skywalk\)](#) [Madame Tussauds' Wax Museum](#)



[Quarantine Station](#) [Botanical Gardens](#) [Visit the Rocks](#) [Visit Taronga Zoo](#) [Visit Sydney Aquarium](#)

TRAVEL

By Air

All domestic and international flights into Sydney arrive at Sydney (Kingsford Smith) Airport at Mascot in Eastern Sydney. The fastest way to get to Sydney CBD from the airport is via the Airport Link Train (approx \$15 one way and a 20 min trip). Wynyard train station is directly below the conference hotel, The Menzies. A taxi fare will cost approximately \$32-\$45 each way. For further information regarding Sydney airport visit www.sydneyairport.com.au.

By Car

Sydney is home to nearly 5 million people and has a very complex road network. If new to driving in Sydney visit www.sydneymotorways.com to check traffic conditions, view maps and find out about electronic tags and passes. Certain motorways require electronic tags or passes but it is recommended that you stay on the motorways and main arterial roads as you should find these the quickest, easiest, safest and most efficient way of getting into, around and through Sydney.

If you use a toll road without a tag or pass, just call 13 18 65 to purchase an eMU pass or purchase from a participating petrol station or convenience store. Fines apply for non-payment of tolls.

Interstate visitors can use interstate e-tags on NSW toll roads. This also applies to rental vehicles which are not already equipped for toll travel.

An electronic tag or pass is required to travel southbound on the Sydney Harbour Bridge and tunnel. Both are cashless and the toll you pay depends on the time of day you cross. The toll is cheapest outside peak hours and on weekends.

ACCOMMODATION



The Menzies Sydney is both the conference venue and our preferred accommodation provider. We have negotiated special conference rates and encourage you to consider this ideally located property for your stay in Sydney. Wynyard train station is directly underneath the hotel making airport transfers quick and affordable.

To book please contact The Menzies Sydney during business hours directly on + 61 2 9299 1000 or via email at h2977-re@accor.com. To receive the conference rate you will need to mention the conference and the code AUSTRALIANEARTH.

The Menzies Sydney is a 4 star business class hotel with 446 accommodation rooms. It is located at 14 Carrington Street, Sydney. View at www.menzies.com.au

We recommend you **book as soon as possible** to guarantee availability.

Rates: Standard Room without breakfast \$240.00

A full buffet breakfast in the Carrington Restaurant will cost an additional \$26pp per day.

REGISTRATION FORM



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Please read carefully through all of the information in this brochure before filling in the registration form.

ONLINE REGISTRATION – Please access via AEES website at www.aees.org.au or complete form and:

1. Email to pcee@aees.org.au
2. Mail to PCEE, PO Box 4014, McKinnon, Victoria 3204, Australia

All rates quoted within this form are in Australian Dollars and are GST exempt. AEES is not required to register for GST. GST does not apply. Please type or print in BLOCK LETTERS. Please complete all sections.

SECTION A: DELEGATE DETAILS

Title: Prof Dr Mr Ms Mrs Miss

Surname: _____

First Name: _____

Organisation: _____

Position: _____

Postal Address: _____ Suburb: _____

State: _____ Country: _____ Postcode: _____

Telephone: _____ Mobile: _____

E-mail: _____

Preferred name for name badge: _____

Dietary Requirements: _____

SECTION B: REGISTRATION FEES

Registration Type	Early Bird Received & paid Prior to 6/10/15	Standard Fee Received & paid after 6/10/15	Payment
Full Registration – AEES/NZSEE/IAEE/EERI Member (incl 2 dinners)	\$700.00	\$805.00	AUD\$
Full Registration – Non-Member (incl 2 dinners)	\$800.00	\$920.00	AUD\$
Full Registration – Students and retirees (incl 2 dinner)	\$350.00	\$405.00	AUD\$
Day Registration (fee is per day) *	\$280.00	\$320.00	AUD\$

*If you have selected Day Registration, please indicate which day you will be attending:

Friday, 6 November Saturday, 7 November Sunday, 8 November

Total Payment: Section B

AUD\$

SECTION C: SOCIAL FUNCTIONS

Only full registrations include both dinners. If you have elected to register for day registration, or you wish to purchase additional dinner tickets for your partner/associates please indicate below:

Date	Function	# of Tickets	Payment
Friday, 6 November	Welcome Reception – MV Epicure (\$120)		\$
Saturday, 7 November	Conference Dinner – Lighthouse Gallery–Maritime Museum (\$148)		\$

If dinner ticket/s are for an accompanying person please give their name for name badge: _____

Total Payment: Section C

AUD\$

SECTION D: PAYMENT OF FEES

All cheques should be made payable to AEES. International delegates are required to pay by credit card, international bank draft or electronic funds transfer in Australian dollars only. Mastercard and Visa card are the only accepted credit cards. Should you require an invoice please complete Section F.

ABN: 83 410 367 830

1.	Total Payment SECTION B	AUD\$
2.	Total Payment SECTION C	AUD\$
3.	Total Payment SECTION D	AUD\$
TOTAL PAYMENT DUE:		AUD\$

SECTION E: CREDIT CARD PAYMENT

Please select Visa Mastercard

Card Number: Expiry Date: /

Cardholder's name: (please print)

Signature: _____ Date: _____

SECTION F: INVOICE

If you would like to be invoiced for your registration fees please indicate here.

Registration Cancellation Policy

Cancellations received in writing by the Conference Secretariat, prior to 23 October 2015, will receive a full refund less a \$25 administration fee. A refund will not be given after this date; however an alternative delegate name may be substituted. All cancellations and substitutions must be made in writing to the Conference Secretariat.

For further information, please contact: Conference Secretariat, PO Box 4014, McKinnon VIC 3204 Australia
Telephone: 03 9015 8350 / 0414 492 210 Email: pcee@aees.org.au