

# AEES 2018

Australian Earthquake Engineering Society Conference

16-18 November, 2018

Aloft Hotel, Perth, Western Australia



## WELCOME

AEES President, Peter McBean, and the AEES Committee look forward to welcoming you to Perth, Western Australia to attend the 2018 Australian Earthquake Engineering Society Conference. The conference will be held at the Aloft Hotel over three half days commencing at 1pm on the Friday (registration will open at 12nn) and concluding at 1.15pm on the Sunday.

There will be a dinner on Friday evening at the Aloft Hotel and a dinner on Saturday evening at Sandalford Winery in the Swan Valley.

A meeting of Australian Seismologists is scheduled for Friday morning at the conference venue, before the conference proper commences. The AEES AGM will also be held during the conference.

Our keynote speakers this year are:

- |                        |   |
|------------------------|---|
| <b>Dr Jason Ingham</b> | Professor of Structural Engineering and Head of Department at the University of Auckland, New Zealand.  |
| <b>Mr Mark Edwards</b> | Structural Engineer and Section Leader in the Community Safety Branch at Geoscience Australia, Canberra, ACT, Australia.                              |
| <b>Dr Tuna Onur</b>    | Catastrophe Risk Consultant and teacher of earthquake engineering at the University of Victoria, BC, Canada   |
| <b>Prof. Hong Hao</b>  | Professor of Structural Engineering, and Director of Centre for Infrastructure Monitoring and Protection, Curtin University, Perth, Western Australia |

We will have a blend of keynote speakers, oral presentations and posters. All abstracts will be published in the conference proceedings and full papers will be provided to each participant on USB.

There will be an **Australian Seismologists meeting** held at The Aloft Hotel on Friday 16 November, from 9.00am to 12.00nn before the full conference commences for those interested in attending. There is no cost, however please indicate your intention to attend on the conference registration form. For further information please contact Adam Pascale at [adam.pascale@src.com.au](mailto:adam.pascale@src.com.au)



## KEYNOTE SPEAKERS

### Mark Edwards



**Mark Edwards** is a structural engineer and Section Leader in the Community Safety Branch at Geoscience Australia. He leads a multi-disciplinary team developing information on natural hazard impact, risk and mitigation. He participates in Australian building standards committees and in an update of the building standards of Papua New Guinea. He is a research collaborator in three Bushfire and Natural Hazards CRC projects developing information on building mitigation for earthquake, wind and flood. Finally, he leads a program of engineering research with industry collaborators examining opportunities to mitigate natural hazard risk in the transport, electricity and water sectors.

### Hong Hao



**Prof. Hong Hao** received his BS degree from Tianjin University, China, and MS and PhD degree from the University of California at Berkeley, USA, with a major in structural engineering and minors in mathematics and strong motion seismology. He is Professor of Structural Engineering, and director of Centre for Infrastructure Monitoring and Protection (CIMP) in Curtin University. His research interests include earthquake engineering, blast engineering and structural condition monitoring. He has more than 600 technical publications, including 18 edited books and book chapters and more than 300 journal papers. Some of his research results are included in structural dynamics textbooks, adopted in design codes, and used in many construction projects around the world. He has chaired and co-chaired 14 international conferences and workshops in Australia, China, Israel, Singapore and UK, delivered 38 keynote presentations in international conferences in a dozen countries. Currently he is the editor-in-chief of the International Journal of Protective Structures, and serves in the editorial board of another 10 journals. He is the immediate past president of Australian Earthquake Engineering Society, deputy president of International Association of Protective Structures, Australian Rep in International Association of Earthquake Engineering, and serves in the Advisory Board of Australian Network on Structural Health Monitoring. He is a member of Structural Panel of Engineers Australia WA Division, and College of Experts in Australian Research Council. He is an adjunct professor in Tianjin University and the University of Western Australia, and guest professor of a dozen universities.

### Jason Ingham



**Dr Jason Ingham** obtained his doctorate from the University of California San Diego in 1995 and is a Professor of Structural Engineering and Head of Department at the University of Auckland. His research interests are primarily focused on the seismic behaviour of existing masonry and concrete buildings. He led the collection of data related to the performance of masonry buildings following the Canterbury earthquakes, with evidence subsequently presented at the Canterbury Earthquakes Royal Commission. He has also undertaken post-earthquake building inspections in Sumatra (Indonesia) and in Nepal. In 2015, he was a member of a study tour to inspect URM building damage following the Napa (California) earthquake and in 2016 he was a member of the NZAid-funded team that provided technical training to Nepalese engineers on the seismic assessment and improvement of masonry and concrete buildings. He is currently the president of the Structural Engineering Society of NZ (SESOC), a past president of the NZ Concrete Society (NZCS), a past member of the management committee of the NZ Society for Earthquake Engineering (NZSEE), a past member of the leadership team for QuakeCoRE, the New Zealand Centre of Research Excellence for Earthquake Resilience, and is a Fellow of Engineering New Zealand

### Tuna Onur



**Dr Onur** is a catastrophe risk consultant specializing in the modelling and communication of seismic hazard, structural vulnerabilities and financial losses both nationally and internationally. She has over 20 years of experience in all aspects of earthquake risk estimation and currently serves on the National Building Code of Canada's Standing Committee on Earthquake Design. Her professional experience includes both private and public sector positions as earthquake hazard researcher, as lead earthquake modeller, and as a subject matter expert advising engineering firms, governments, the insurance industry and financial regulatory agencies. Dr Onur is also involved in various capacity building initiatives integrating probabilistic seismic hazard assessment in Middle Eastern and Central Asian countries. She teaches earthquake engineering at the University of Victoria and continues to be actively involved in seismic risk research.



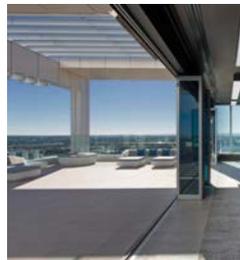
## SOCIAL EVENTS

### Thursday 15 November – Optional Day Trip to Meckering 7.30am – 8.40pm



A highlight of this year's conference will be an optional day trip to Meckering on Thursday 15 November to commemorate the 50<sup>th</sup> anniversary of the Meckering earthquake. At 10.59am on 14 October 1968, the town of Meckering was destroyed by a 6.5 magnitude earthquake. The Meckering earthquake remains one of the most significant in Australian history in terms of the damage to infrastructure and the subsequent cultural upheaval. A bus will depart the Aloft Hotel at 7.30am and return delegates to the hotel at 8.40pm. We will visit Meckering Heritage Park, Meckering Town Hall, take the Meckering Heritage Walk, visit Salisbury House and the 2005 Trench site. In the afternoon we will visit the Fault Scarp Reserve, attend an afternoon tea hosted by the Shire of York, and finish with dinner at a Brewery before returning to Perth. Partners and children very welcome.

### Friday 16 November – Welcome Dinner Aloft Hotel, Perth



Included in all full registrations. Join us for our Welcome Dinner on top of the Aloft Hotel. Magnificent views await. Partners welcome.

### Saturday 17 November – AEES Conference Dinner Sandalford

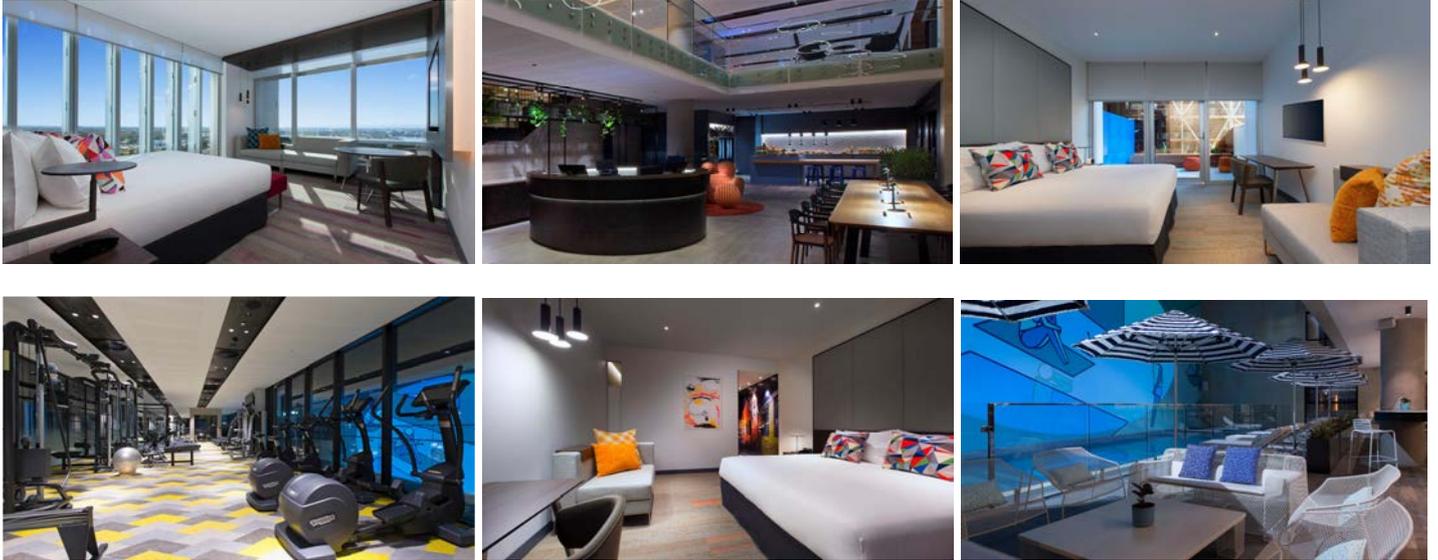


Included in all full registrations. Behind the global brand of Sandalford Wines lies a rich and fascinating history. Sandalford's establishing estate at Caversham, Swan Valley, had its genesis in 1840 and coincided with both European settlement in the burgeoning colony of Perth and the birth of Western Australia's world famous wine industry. In one of Australia's most sustainable wineries, Sandalford creates today's collection of Prendiville, Estate Reserve, Margaret River Range and Element award-winning wines from its two fertile vineyards. With advanced viticultural practices and a progressive winemaking team, the Sandalford brand enjoys a long-standing reputation for quality and exceeding expectations at every price point. Partners welcome.

# ACCOMMODATION

Perth has a large number of accommodation options. We have negotiated a special AEES rate at the conference hotel – The Aloft Perth – for those keen to stay onsite, and have a block of rooms available for AEES delegates. Our hold on rooms ends on 16 October so definitely make your booking by then to obtain the conference rate. For bookings made after 16 October, we recommend using an accommodation comparison site such as Trivago or Expedia.

## Aloft Hotel Perth



## Conference Rate:

### Aloft King or Twin room

Check in from 15 Nov to 18 Nov

\$190 per room per night, including refuel breakfast in Springs Kitchen for 1 person  
OR

\$205 per room per night, including refuel breakfast in Springs Kitchen for 2 people.

Rates are GST inclusive. Breakfast for any additional guests will be charged at \$29pp.  
\$50 surcharge per night for a 3rd adult or rollaway bed. Maximum of one rollaway bed.

**Mention the booking code AK15AA when booking to obtain these rates. You must either call or email the hotel to make your booking. Phone 08 6147 2468 or email [reservations.perth@alofthotels.com](mailto:reservations.perth@alofthotels.com)**

Rates will be honoured for 3 nights pre and 3 nights post the main group dates. Subject to availability.  
Cancellations within 30 days prior to arrival will result in full cancellation charges.

Check in 3pm Check out 11am Photo ID on check in.

AEES thanks our sponsors for their ongoing support:

