

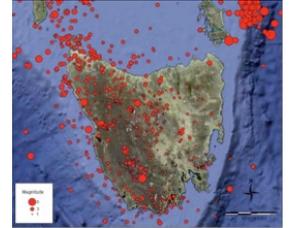
AEES 2013

Australian Earthquake Engineering Society Conference

15-17 November, 2013

The Old Woolstore Hotel

Hobart, Tasmania



WELCOME

AEES President, Professor Hong Hao, and the AEES Committee look forward to welcoming you to Hobart, Tasmania, Australia to attend the 2013 Australian Earthquake Engineering Society Conference. The conference will be held at the Old Woolstore 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 conference dinners on both Friday evening (at Peppermint Bay) and Saturday evening (at the Museum of Old & New Art - MONA).

There will also be a Partners' High Tea at Wrest Point and a tour to the Callington Mill via Richmond Bridge. A day trip has also been organised for those who are able to stay an extra day, to the Gordon Dam via the Mount Field National Park.

A meeting of Australian Seismologists is scheduled for Friday prior to the conference at the Old Woolstore Hotel and the AEES AGM will also be held during the conference.

Our keynote speakers this year are:

Dr Marlene Kanga, President, Engineers Australia

A/Prof Charles Clifton, Assoc Professor of Civil Engineering, The University of Auckland

Prof Kazuhiko Kasai, Division of Structural Engineering, Tokyo Institute of Technology

Prof Paul Somerville, Deputy Director, Risk Frontiers, Macquarie University, NSW

We will have a blend of keynote speakers, oral presentations and poster presentations.

Each poster presenter will be given the opportunity for a short oral presentation within the main program and will be asked to attend their poster during breaks. All abstracts will be published in the conference proceedings and full papers will be provided to each participant on CD/USB.

There will be an **Australian Seismologists meeting** held at the conference venue) on Friday 15 November, from 8.30-11.30am 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 David Love at david.love@sa.gov.au.



KEYNOTE SPEAKERS

Charles Clifton



Charles is an Associate Professor of Civil Engineering at the University of Auckland, where he has specialised in structural steel and composite engineering since joining in 2008. This followed a productive period since 1983 as Senior Structural Engineer at the Heavy Engineering Research Association, where he conducted research in structural steel, composite construction, fire engineering and durability. He also made considerable contributions to the introduction of new and revised standards, developed widely used design guides and was actively involved in professional development. A long and productive collaboration with the University of Auckland saw many innovations researched, developed and adopted by the profession, and also saw the award of his PhD in 2005. Charles is a Fellow of IPENZ and of the National Society for Earthquake Engineering. He is currently active in a range of research projects involving the development of low-damage seismic solutions, performance of composite steel floors in severe fires, and floor and frame solutions using light-gauge steel members and components. He has been involved with the assessment of buildings in the severe 2010/ 11 Christchurch earthquake series and in plans for rebuilding the city.

Marlene Kanga



Dr Marlene Kanga is the National President of Engineers Australia and was listed among Australia's Top 100 engineers in 2013. Marlene is a chemical engineer with extensive experience in process safety and risk assessment in the oil, gas and chemical industries. She is Chartered, a Fellow and has been a member of the Engineers Australia Council since 2007. Marlene is also an experienced business leader as Director of Business Technology Pty. Ltd which provides risk engineering services and Director of iOmniscient Pty. Ltd. which has developed patented software technology for automated camera based surveillance systems.

Marlene has spent many years using systematic methods to assess natural disaster risk to plant and infrastructure in Australia and New Zealand. She is Deputy Chair of the World Federation of Engineering Organisations Committee for Disaster Risk management and hosts a committee which is developing resources for natural disaster risk management to assist engineers in developing countries.

Kazuhiko Kasai

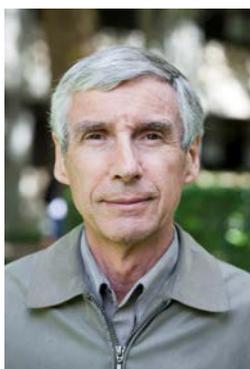


Prof. Kazuhiko Kasai received Ph.D. degree from University of California, Berkeley in 1985. He was a faculty member at Illinois Institute of Technology and later at Lehigh University in US, and became a professor in 1997 at Tokyo Institute of Technology. Prof. Kasai is an internationally recognized researcher and educator in the areas of steel structure, response control, and earthquake engineering.

Prof. Kasai has been the chairman of Response Control Committee and Passive Control Effects Sub-Committee, Japan Society of Seismic Isolation (JSSI), Steel Passive Control Sub-Committee, Architectural Institute of Japan (AIJ), and various other structural engineering and response control committees in Japan. He also served as the chief editor for "JSSI Manual for Design and Construction of Passively Controlled Building", monthly academic journals of AIJ, and others.

Prof. Kasai was the Japan-side leader of the NEES and E-Defense US-Japan steel building research projects including full-scale experiments of conventional structure and value-added (passive-controlled or innovative) structures. He is also the Japan-side leader of the China-Japan joint research on seismic evaluation and mitigation for super-tall buildings, sponsored by the National Natural Science Foundation of China (NSFC) and Japan Science and Technology Agency (JST).

Paul Somerville



Professor Paul Somerville was born in Armidale, NSW, Australia and received his B.Sc. degree in Geophysics from the University of New England. He received his M.Sc. and Ph.D. degrees in Geophysics at the University of British Columbia in Vancouver, Canada. He spent two years as a Visiting Research Fellow at the Earthquake Research Institute, University of Tokyo, and has been involved with Japanese colleagues in engineering seismology research for his whole career.

Paul is Principal Seismologist at URS Corporation, where he does research and development on earthquake source and strong ground motion prediction models, and applies these in the design and analysis of major buildings, bridges,



SOCIAL EVENTS

Friday 15 November – Welcome Reception



A great way for AEES members and non-members alike to meet up and get to know each other at this casual dinner at the beautiful Peppermint Bay, a worldclass venue located in the rural village of Woodbridge, a short bus ride from Hobart via the picturesque Channel Highway. Peppermint Bay is set on four acres of waterfront headland and has commanding 270° water and mountain views. Partners/children are most welcome. A bus will depart the conference venue and return you to your accommodation after dinner.

Saturday 16 November – Conference Dinner



Join us for the official conference dinner at the spectacular MONA. Guests will travel by ferry (not like any ferry you've ever experienced, rather the amazing MR1 - an experience in itself!) from Hobart wharf to MONA where you'll find the design of the building as surprising as the works it houses. Book on the early ferry if you'd like some time to view the Museum or come on the later ferry if you're just coming for the Michelin star rated feast. Either way, don't miss this experience! Partners and children very welcome.

PARTNERS

Friday 15 November – High Tea @ the Point

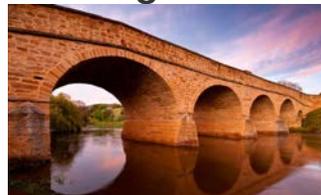


One for the partners! Watch the world go by with the best views in town from the Point Revolving Restaurant at Wrest Point. Indulge in the decadent treats and 5 star service. Partners will be driven to/fro the conference venue and Wrest Point. Numbers are limited so please book early!



OPTIONAL TOURS

Saturday 16 November – Callington Mill Tour/Richmond Bridge



Callington Mill, built in 1837, is located in the beautiful town of Oatlands, an hours bus ride from Hobart. It is the only working example of its type in the southern hemisphere and the third oldest windmill in Australia. The restoration of the Mill to its former glory was completed in 2010. The tour is focused on the Callington Mill complex, including climbing the mill tower. The complex is comprised of the Mill Tower, the Mill Owner's House, the Miller's Cottage, the Granary and the Stables.

The Richmond Bridge is the oldest bridge still in use in Australia. It is a heritage listed arch bridge located on the "convict trail" in Richmond. Constructed of sandstone, hauled to the construction site by convicts using hand carts, it consists of four main arches which spring from sloping fins with angular leading edges aligned with the flow of to the lake.

Monday 18 November – Day trip to Gordon Dam / Mt Field National Park



Be picked up from your hotel at 8.30am and start the day with a drive through the Derwent Valley to Mt Field National Park. After a short walk through rainforest dotted with huge manferns & some of the tallest trees in the world, see the impressive Russell Falls.

Back on the bus and after a drive through Tasmania's magnificent south-west wilderness you will reach Strathgordon, between Lakes Gordon and Pedder. Together these lakes form The Gordon River Power Development Hydro Electric Scheme which occupies a vast area of over 500sq kms. Lake Gordon was created from the Gordon River by constructing a 140m high dam across the river above its intersection with the Serpentine River. Water from the lakes is used in the underground Hydroelectric Gordon Power Station, located near the Gordon Dam.

The Dam itself is several metres higher than the Sydney Harbour Bridge (134m), and holds back thirty times the amount of water in the Harbour itself.

Near Strathgordon you'll enjoy a picnic lunch at Ted's Beach on the banks of Lake Pedder. A chance to sit and take in the breathtaking scenery of this Lake that once stirred the emotions of an entire country.

Then you have the choice of walking down to the top of the Dam wall, about 200 stairs, and of course back up again, which will reward you with some of the most awe-inspiring views. If you're not keen on the walk, just stay at the top lookout and enjoy the scenery from there.

After the visit to the Dam, it is time to board the coach and make your way back to Hobart. We will arrive back late afternoon, around 5.30pm, and you will be dropped off at your hotel.



TRAVEL

By Air

Flights are available from all mainland States and Hobart is a little over an hour's flight from Melbourne, the nearest mainland capital city. The Airporter Shuttle service meets all flights and drops off at accommodation in central Hobart and inner city suburbs. For more information visit www.tasredline.com.au.

By Ferry (from Melbourne)

The Spirit of Tasmania passenger ships will transport you and your car on an overnight journey from Port Melbourne to Devonport (Devonport is approx 252km - 3.5 hour drive from Hobart

ACCOMMODATION



Self contained apartment style accommodation (4 star) is available at the conference venue, the **Old Woolstore Apartment Hotel**.

We have negotiated special conference rates at the Old Woolstore so please quote the AEES conference when you make your booking. We recommend you **book before 18 October** to guarantee availability. Our block of rooms may be released to the general public after this date.

Rates are from \$189 per night and include a full buffet breakfast, internet access and 1 espresso coffee. To book please contact the hotel directly on 1800 814 676 or email reservations at reservations@oldwoolstore.com.au

If you're looking for a bit more luxury we would recommend the nearby Grand Mercure Hobart Central Apartments at 34 Murray Street (rooms from \$239 not including bfast), or The Henry Jones Art Hotel at 25 Hunter Street (rates start at \$365). There is also the Zero Davey Boutique Apartment Hotel which is nearby (rates start \$185 per night). If you want to be in the heart of Salamanca Wharf, the Salamanca Wharf Hotel. at 17a Castray Esplanade, is brand new and smack in the wharf area (rates start at \$225). If you're looking for budget accommodation try the Mercure Hadley's Hobart Hotel (from \$179 per night per room for share accom) or check out www.wotif.com