Second Announcement and Call for Papers

24th Australian Conference on the Mechanics of Structures and Materials
(ACMSM24)
7-9 December 2016
Perth, Western Australia

Organized by
Curtin University

Introduction
The biennial event of Australasian Conference on the Mechanics of Structures and Materials (ACMSM) has become an important event among academics, practitioners and researchers not only in the Australasian region, but internationally. It has been held in cities in Australia and New Zealand, and was twice in Perth in 1980 and 2004. The 24th ACMSM will be again in Western Australia. The conference will be hosted by Curtin University’s Research Centre of Infrastructure Monitoring and Protection (CIMP) in the School of Civil and Mechanical Engineering. It will comprise of daily plenary sessions and parallel sessions.

Call for Papers and Special Sessions
You are invited to attend the 24th ACMSM, to be held in Perth, Western Australia from Wednesday to Friday 7-9 December 2016. The conference will provide a forum for participants from around the world to review, discuss and present the latest developments in the broad discipline of the mechanics and materials in civil engineering. It will also be an ideal platform for participants to renew friendship and establish new collaborations. The organizing committee will work hard to maintain the high standard of ACMSM conferences.

Conference Topics
- Structural mechanics
- Computational mechanics
- Reinforced and prestressed concrete structures
- Steel structures
- Composite structures
- Coastal and offshore structures
- Dynamic analysis of structures
- Structural health monitoring and damage identification
- Structural reliability analysis and design
- Structural optimization
- Fracture and damage mechanics
- Soil mechanics and foundation engineering
- Pavement materials and technology
- Shock and impact loading
- Earthquake loading
- Traffic and other man-made loadings
- Wave and wind loading
- Thermal effects
- Design codes

Conference Awards
Shaw, Frederick Stanley (1911-1982): born in Albany, Western Australia on 31 October 1911, Prof. Stan Shaw received his BE degree in 1938 from the University of Western Australia, BSc degree from Oxford University in 1947 and DEng from the University of Melbourne in 1952. He was a research officer and then superintendent in Aeronautical Research Laboratories at Melbourne from 1942 to 1960, Research Associate in applied mathematics at Brown University, USA and visiting professor of aeronautical engineering, Brooklyn Polytechnical Institute, USA before taking up the position of Prof. of Civil Engineering, University of NSW in 1960. Stan Shaw was the second professor of the UNSW School of Civil and Environmental Engineering. His expertise was in the area of structural engineering. He was the chair of the Australian National Committee for Earthquake Engineering (ANCEE) and the first Australian Earthquake Engineering Society National Delegate to the IAEE.

Prof. Stan Shaw was the inaugural chair of ACMSM series in 1967 in Sydney, Australia. To honour his great contributions to structural engineering education and research, and his effort and vision in starting the ACMSM, which now is one of the best structural engineering conferences in the region, the Stan Shaw best paper award will be given in ACMSM.

To encourage and recognize good researches among junior delegates, a best young researcher (age < 35) award will also be given in the conference.

Supporting International Journals
Authors of selected papers will be invited to submit extended versions for possible publication in the following international journals:
- International Journal of Protective Structures
- Advances in Structural Engineering
- International Journal of Structural Stability and Dynamics

Contact
Email: acmsm24@curtin.edu.au
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More to be added
**Important Dates**

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<tr>
<th>Dates</th>
<th>Event</th>
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<tr>
<td>9 February 2016</td>
<td>Deadline for special session Proposal</td>
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<tr>
<td>9 March 2016</td>
<td>Deadline for abstract</td>
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<tr>
<td>9 June 2016</td>
<td>Deadline for final manuscript</td>
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<tr>
<td>7-9 December 2016</td>
<td>Conference</td>
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**Registration**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Early registration Before/on 15th September</th>
<th>Regular or onsite registration After/on 16th September</th>
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<tbody>
<tr>
<td>Full participant</td>
<td>900 AUD</td>
<td>950 AUD</td>
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<tr>
<td>Student</td>
<td>700 AUD</td>
<td>750 AUD</td>
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<tr>
<td>One-day package</td>
<td>400 AUD</td>
<td>450 AUD</td>
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Maximum of two papers can be presented for full/student registration and a maximum of one paper for day registration.

**Organizing Committee**

Prof Hong HAO (Chairman)
Prof Abhijit MUKHERJEE
Dr Vanisorn VIMONSATIT
Dr Faiz SHAIKH
Dr Prabir SARKER
Dr Kaiming BI
Dr Jun LI
Dr Yifei HAO
Dr Wensu CHEN
Dr Jun LI
Dr Xihong ZHANG
Dr Thong PHAM
Dr Joao TRAVANCA

**International Scientific Committee**

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Prof Daniel AMBROSINI, Argentina

Prof Thiru ARAVINTHAN, QLD
Dr Norhisham BAKHARY, Malaysia
Prof Charles BAKIS, USA
Prof Bishwajit BHATTACHARYEE, India
Prof Mark BRADFORD, NSW
Prof James BROWNJOHN, UK
Prof Tommy CHAN, QLD
Prof Nawawi CHOUIW, NZ
Dr Daniela CIANCIO, WA
Prof Rajesh DHAKAL, New Zealand
Prof Xiuli DU, China
Dr Wenhui DUAN, VIC
Prof Hardjito DWANTORO, Indonesia
Prof Qin FANG, China
Prof Stephen FOSTER, NSW
Prof Sam FRAGOMENI, VIC
Prof Norbert GEBBEKEN, Germany
Prof Ian GILBERT, NSW
Prof John GINGER, QLD
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Dr Hong GUAN, QLD
Dr Muhammad HADI, NSW
Prof Nam HOANG, Viet Nam
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Prof Nobutaka ISHIKAWA, Japan
Prof Tarun KANT, India
Prof Kazuhiko KASAI, Japan
Prof Sritawat KITIPORNCHAI, QLD
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Prof Tribikram KUNDU, USA
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Prof David LAU, Canada
Prof Chunqing LI, VIC
Prof Jianchun LI, NSW
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Dr Alex REMENNIKOV, NSW
Prof Weixin REN, China
Prof Bijan SAMALI, NSW
Prof Jay SANJAYAN, VIC
Prof Siegfried SCHMAUDER, Germany
Prof Scott SMITH, NSW
Prof Chee Kiong SOH, Singapore
Prof Chongmin SONG, NSW
Prof Mark STEWART, NSW
Prof Zhong TAO, NSW
Prof David THAMBRATNAM, QLD
Prof Jin-Guang TENG, Hong Kong
Prof José TORERO, QLD
Prof Brian UY, NSW
Prof Chien Ming WANG, Singapore
Prof Hao WANG, QLD
Dr Ying WANG, VIC
Prof Pensung WARNITCHAI, Thailand
Prof John WILSON, VIC
Prof Andrew WHITTAKER, USA
Dr Chengqing WU, SA
Dr Yu-Fei WU, Hong Kong
Dr Yong XIA, Hong Kong
Prof Mike XIE, VIC
Prof Yang Xiang, NSW
Prof David YANKELEVSKY, Israel
Prof Ben YOUNG, Hong Kong

Prof Xibo-Ling ZHAO, VIC
Dr Xinjun ZHU, NSW
Dr Yan ZHUANGE, QLD

**Conference Venue & Accommodation**

The Pan Pacific Perth is the conference venue and our preferred accommodation provider. It is a 5 star business class hotel, located at 207 Adelaide Terrance, Perth.

http://www.panpacific.com

Some other hotels near the Pan Pacific Perth
- Crowne Plaza Perth (4 star, 0.4 km from Pan Pacific, http://www.crowneplaza.com)
- Novotel Perth Langley (4 star, 0.1 km from Pan Pacific, http://www.novotel.com)
- Goodearth Hotel (3 star, 0.1 km from Pan Pacific, http://www.goodearthhotel.com.au)
- Kings Perth Hotel (3 star, 0.7 km from Pan Pacific, http://www.kingshotel.com.au)
Keynote Lectures

Prof. Mark Bradford, University of New South Wales, Australia
Lecture Title: Strength Design of High-Strength Steel Beams

Mark Bradford is a Scientia Professor at UNSW Australia and was the founding Director of its Research Centre for Infrastructure Engineering and Safety. He has developed research teams of critical mass in his capacity firstly as an ARC Federation Fellow, and then as an Australian Laureate Fellow. Over recent years, Mark has moved his research directions in structural engineering to encompass sustainability and component recyclability. Amongst many awards, his work on deconstructable composite framed buildings won him the 2015 NSW Premier’s Prize for Engineering and Information and Communications Technologies. He was also Engineers Australia’s Eminent Speaker in 2013, delivering national presentations on construction for deconstruction.

Prof. Robert E Melchers, the University of Newcastle, Australia
Lecture Title: Physical, chemical & microbiological processes in the long-term corrosion of steel and cast iron infrastructure

Robert E Melchers FTSE is Professor of Civil Engineering and ARC DORA Research Fellow at The University of Newcastle, Australia. He holds a BE and M Eng Sc from Monash University and a PhD from the University of Cambridge, UK. He has researched extensively in structural engineering, structural reliability and in corrosion. His most recent awards for corrosion research include the 2009 Australasian Corrosion Association Corrosion Medal, the 2012 Jin S Chung Award (International Society of Offshore and Polar Engineers) and the 2013 John Connell Gold Medal (Engineers Australia). He was the 2014 Eminent Speaker for the College of Structural Engineers, Engineers Australia.

Prof. Alessandro De Stefano is a full professor of Earthquake Engineering and Structural Dynamics at the Politecnico di Torino, Turin, Italy. His research interests include earthquake engineering, structural identification, modal testing and analysis, and structural diagnostics. He is a member of the director board of the Italian National Association of Earthquake Engineering, a council member of International association for Structural Health Monitoring of Intelligent Infrastructure, a member of European Association on Structural Assessment Monitoring and Control, formerly the secretary of the European Association for Structural Control and Monitoring. He has been a national and local coordinator for a number of research projects of national interest, president of the Assembly of Partners in the EU project IRIS (2008-2012) related to Industrial Security. He was the chair of the 7th International Conference on Structural Health Monitoring of Intelligent Infrastructure, and co-chair of the CSHM-2 Workshop (2008) in Italy. He is the Editor-in-Chief of International Journal of Life-cycle Performance Engineering.

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Prof. Gebbeken is chair of structural mechanics and director of the institute of engineering mechanics and structural analysis at the University of the Bundeswehr München since 1995. He and his team have conducted more than 150 research projects in the field of protective structures and published about 350 papers. He was involved internationally in private and public design projects considering exceptional loadings for critical infrastructures including US embassy Berlin, embassies Kabul, Baghdad, Terminal 5 Heathrow, Institute of Peace Washington, power plants, rock fall on overhead street barriers, impact of fragments, etc. He is editor of the International Journal of Protective Structures and President of the International Association of Protective Structures. He is member of the board of trustees of Fraunhofer EMI, Vice President of the Bavarian Engineering chamber, Vice president of the German institute for checking and inspection, and managing director of AIG Consulting Engineers as well as MJG Consulting Engineers. Thus, his expertise is in research, development and design practice.

Prof. Norbert Gebbeken, University of the Bundeswehr München, Germany
Lecture Title: Protective Structures – Key elements for safe societies

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Prof. C.M. Wang, National University of Singapore, Singapore
Lecture Title: Very Large Floating Structure Technology for Land Creation on the Sea

Jay Sanjayan is the Director of Centre for Sustainable Infrastructure at Swinburne University of Technology and Professor of Concrete Structures. Jay is currently the Honorary President of RILEM (International Union of Laboratories and Experts in Construction Materials, Systems and Structures). Jay was the Chairman of the Concrete 2015; previous Chairman of the Editorial Board of Concrete in Australia journal; Editorial Board member of Construction Materials Journal, Institution of Civil Engineers, UK and previously the Associate Editor, Materials and Structures (a Springer journal). Jay has extensively published in the areas of geopolymer concrete, fire resistance of concrete, concrete materials technology and design, and his publications have received over 3600 citations with an H-index of 29.

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