



# The 6th Annual Workshop for Australian Network of Structural Health Monitoring

(Web site: [www.anshm.org.au](http://www.anshm.org.au))

**Date:** December 8-9, 2014

**Organizer:** Institute for Infrastructure Engineering (IIE)/School of Computing, Engineering & Mathematics, University of Western Sydney

**Venue:** Holiday Inn, 18-40 Anderson Street, Parramatta, Sydney

## Invitation

The Australian Network of Structural Health Monitoring (ANSHM) has been set up to raise awareness on Structural Health Monitoring (SHM) in Australia. SHM is defined as the implementation of on-structure sensing systems to monitor the performance of the structure and evaluate its health state. For the last two decades SHM has been attracting enormous research efforts around the world because it targets at monitoring structural conditions to prevent catastrophic failure, and to provide quantitative data for engineers and infrastructure owners to design reliable structures and economical asset management plans. The objective of the 6th Annual Workshop for Australian Network of Structural Health Monitoring (ANSHM-6) is to bring together civil engineers, designers, researchers, construction companies as well as responsible persons from government and road/highway authorities who have an interest in improving the service life, safety and reliability of civil structures.

## RSVP

If you are interested to attend the ANSHM-6, please contact:

Dr. Xinqun Zhu

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## Program

### Monday, 8 December 2014

8:30-9:00	Welcome Reception
9:00-9:20	Open Speech
9:20-9:50	Professor Tommy H.T. Chan, Queensland University of Technology: "Structural health Monitoring of Buildings and Bridges--Research at QUT: From Theory to Application and Implementation".
9:50-10:20	Associate Professor Jianchun Li, University of Technology, Sydney: "Research and Development toward Future Intelligent Civil Structures".
10:20-10:50	Mr. Peter Runcie, National Information Communications Technology Australia (NICTA): " A Comparison of Several Damage Detection Techniques Applicable to the Deck of Sydney's Harbour Bridge".
10:50-11:20	Morning Tea
11:20-11:50	Associate Professor Sergiy Kharkivskiy, University of Western Sydney: "The Development of wireless Sensor Systems with a RFID tag antenna and microwave sensors for a local structural health monitoring at UWS".
11:50-12:20	Dr. Jun Li, Curtin University: "Damage Detection of Joint Conditions in a Truss Bridge with Relative Displacement Sensors".
12:20-12:50	Dr. Ying Wang, Deakin University: "Structural Damage Identification in Time Domain".
12:50-14:00	Lunch
14:00-14:30	Professor Brian Uy, University of New South Wales: "SHM concepts for next generation steel & composite infrastructure".
14:30-15:00	Drs. Xinqun Zhu, Chunwei Zhang and Wang Hee Kang, University of Western Sydney: "Research and development for infrastructure health monitoring in UWS".
15:00-15:30	Professor Abhijit Mukherjee, Curtin University: "Ultrasonic Monitoring of Structures".
15:30-16:00	Afternoon Tea
16:00-18:00	Advisory Board Meeting
18:00-21:00	Networking Dinner (ABD & ECM members)

### Tuesday, 9 December 2014

8:30-9:30	Annual General Meeting
9:30-10:00	Dr. Tao Yu, University of Wollongong: "Strain Monitoring of FRP-Strengthened RC Cantilever Slabs".
10:00-10:30	Dr. Seyed Saeed Mahini, University of New England: "Performance-based assessment and damage detection of SFRP retrofitted multi-storey timber buildings".
10:30-10:50	Morning Tea
10:50-12:50	Industry Forum
12:50-14:00	Lunch
14:00	Close

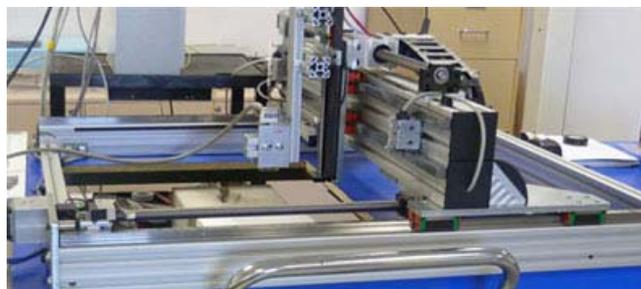


## University of Western Sydney

The University of Western Sydney (UWS) was officially founded on 1 January 1989. From the beginning of 2001, UWS began operating as a single multi-campus university with six campuses: Bankstown, Blacktown, Campbelltown, Hawkesbury, Parramatta, and Penrith. The university is "Bringing knowledge to life in Greater Western Sydney through community and business engagement with our learning and our research".

The Institute for Infrastructure Engineering (IIE) is one of four research institutes at UWS initiated by the Foundation Director Professor Brian Uy which is part of the university's strategic plan to support selectivity and concentration. Currently, Professor Kenny Kwok is the Director of the Institute. The Institute focuses on the analysis, design, maintenance and rehabilitation of infrastructure systems. The Institute has four Program Themes: Infrastructure Systems, Infrastructure Computations, Infrastructure Materials and Infrastructure Health Monitoring. The Institute offers highly specialised engineering consulting and research capabilities aimed at identifying practical and efficient solutions to clients' needs across the main disciplines of construction technology, engineering and industrial design.

The Advanced Materials and Smart Structures (AMSS) research group at School of Computing, Engineering & Mathematics is a UWS Research Infrastructure Fund (RIF) initiative group and Professor Yang Xiang is the group leader. Its research is mainly concentrated in developing analysis and design methods for more cost effective and sustainable materials and smart structures and their application in mechanical and structural engineering.



## Information about the Holiday Inn Parramatta



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### HOLIDAY INN PARRAMATTA HOTEL

Be it business or pleasure our Parramatta Hotel is the perfect Parramatta Hotel Accommodation choice. Holiday Inn Parramatta hotel places you in Western Sydney's bustling CBD of Parramatta – within walking distance of major retail, commercial and transport facilities. With our perfect combination of amenities and services, all you'll have to do is sit back, indulge, and relax... It's Holiday Inn.

**Parramatta Accommodation rooms....** The 181 modern contemporary Parramatta accommodation rooms are well appointed to ensure they're the perfect home away from home. Spanned over 6 levels all rooms feature high speed wireless internet, iPod docking stations, LCD televisions with free to air television and pay per view movies. Why not spoil yourself and upgrade to our 1 bedroom Spa Suites which feature a separate living area, 2 person spa bath and Nespresso machines.

**Parramatta Dining...** During your stay at Holiday Inn Parramatta hotel or if you're in the area, why not try our restaurant 'Twenty One Fifty'. Our Executive Chef, Simon Wong, has re launched our Modern Australian menu with a fresh new makeover. You'll be able to sit back and relax in our Lobby Bar which is open and offers wireless internet, a fireplace and a large plasma TV to catch up on any sport or news action. With a light bar menu launched and extensive wine list, there is no better place to relax and unwind.

**Parramatta Conference & Events...** Whether it a small meeting for 2, a dinner party for 130 or a conference for 250 the Holiday Inn Parramatta hotel has the meeting room for you. Our meeting facilities are adaptable for events of almost any size. And just as crucially, we offer the service and venue that will keep your attendees exceptionally happy.

**Facilities...** Whether you're looking to exercise, relax or both, Holiday Inn Parramatta hotel can offer just what you need. The large heated outdoor pool & spa is available for year-round use together with our gymnasium which is a complimentary service for all guests features cardio and weight equipment for that perfect work out. The hotel also offers a business centre and ample parking onsite for convenience.

**Note:**

For the accommodation, the rate for accommodation booked by ANSHM attendees for a room in Holiday Inn Parramatta, the Workshop venue, is \$185.00 including breakfast. This rate is only obtainable if they phone their booking to the venue (Tel: 02 - 9891 1277) and verbally ask for that quote, advising they are attending the UWS function booked for 8 & 9 December. The venue does not have an identifying booking code. Bookings to get this rate cannot be made online, or via other booking websites. The usual rate would be around \$230.00.

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## Transportation

Holiday Inn Parramatta is ideally located close to a number of public transport options, making it one of the most accessible Parramatta accommodation venues. It also boasts quick and easy links to Western Sydney via the Great Western Highway or the M4, and into the city via Parramatta road and the M4. For the ideal Parramatta accommodation hotel please book today.



The Parramatta Shuttle Bus is a free bus service that loops around the city centre of Parramatta which runs on a 10 minute loop. [Click here](#) for more information on bus stops and locations.

Also available are buses that run all over Sydney. Most public and private Sydney bus companies service the Parramatta.

For a particular route or destination, [click here](#).

Parramatta train station is located just a short walk from the hotel. [Click here](#) for more information and timetables.

Sydney Ferries operate from Parramatta Ferry Wharf to Sydney Olympic Park, Darling Harbour and Circular Quay. [Click here](#) for information and timetables.

Sydney Kingsford Smith International and Domestic Airports are located just 31km from the hotel. The airport can be accessed by train, taxi, car and shuttle bus\* services.

\*Shuttle buses are not operated by the hotel, but by private companies at a fee.

