

The Association of Consulting Structural Engineers of NSW

2006 ACSE ANNUAL SEMINAR



Working With Existing Buildings

Thursday 13th July 2006

1:30 pm - 6:00 pm
Dinner To Follow

THE BLAXLAND
ACCOMMODATION & CONFERENCE COMPLEX
250 BLAXLAND ROAD
RYDE NSW



2006 ACSE ANNUAL SEMINAR

Working With Existing Buildings

This seminar will look at the issues of working with an existing building.

The topics covered will include:

- Heritage Issues and Adaptive Re-use
- Investigations, Repair and Refurbishment
- Assessment of Concrete Strength
- Earthquake Appraisal and Strengthening
- 2 Case Studies Illustrating how Structural Challenges can be Resolved.

SPEAKERS

MEGAN JONES BArch (Hons) RAIA
Architect and Director of Tanner Architects

Over the past 15 years Megan has led the Heritage Group within Tanner Architects with responsibility for many major adaptive re-use projects in the Sydney area. Four of these projects have received the prestigious UNESCO Asia/Pacific Heritage Awards. In 2002 she was appointed to the Heritage Council of NSW and the Heritage Council's Fire Access Service Advisory Panel. She continues to provide an important role model within the building industry, showing a clear grasp of design and heritage principles and their realisation on the construction site.

Megan will present an overview of the principles of adaptive re-use of heritage buildings. She will use case studies to relate these principles to practical application in design and construction.

DAVID MAHAFFEY
Mahaffey Associates

David Mahaffey has a degree in Civil Engineering from University of Technology, Sydney. He has spent his entire professional engineering career as a specialist in the field of concrete technology and testing.

Mr Mahaffey is the principal of Mahaffey Associates, a consulting firm that operates in the field of construction materials technology and material testing. He has been active in this field for more than 20 years. Mahaffey Associates not only provides specialist advice in this field, but also operates a laboratory that is accredited by the National Association of Testing Authorities.

Mr Mahaffey has provided advice on the performance, use and durability of concrete for many high profile projects including the Sydney Harbour Tunnel, the Airport Link Rail Tunnel, the M7 motorway, the Epping to Chatswood Rail Line and the Lane Cove Tunnel. He has recently been appointed to develop special mixes for use on the Eastlink project in Melbourne.

His presentation will cover the investigation into concrete strength in existing structures, which can be a critical parameter in the design of building refurbishment work. When things go wrong, investigation into the strength of insitu concrete can also be vital in the construction of new buildings.



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SPEAKERS continued ...

PETER JOHANSSON

Australian Concrete Repair Association

Peter has specialised in the investigation and repair of buildings and structures for nearly 10 years. He is the current President of ACRA and has extensive experience in the investigation and diagnosis of concrete structures including wharves and bridges, as well as high-rise building facades and heritage facades.

Peter will discuss techniques and case histories of investigation, repair and refurbishment projects with particular emphasis on CBD buildings.

MARK WOODWELL

Hyder Consulting

Mark is Director-Structures at Hyder Consulting and is responsible for numerous large scale or complex building works. He has over twenty five years experience in building structures in design and management of project teams for health, commercial, retail, residential, industrial, educational and warehouse development. He has experience in geotechnical engineering involving fieldwork and repairs as well as environmental engineering and design of pollution control structures. Mark's projects include significant additions to major shopping centres including Warringah Mall and Macquarie Centre.

Mark's presentation is on the structural engineering challenges in relation to the additions to the Kotara shopping centre.

BRIAN WOOD

Northrop Engineers

Brian Wood is a senior engineer at Northrop Engineers and has been a partner and director of consulting engineering practices since 1967. He has been responsible for the engineering aspects of a large range of building and civil structures; is recognised for his practical and innovative approach; and has developed all aspects of the business practice. He is a strong advocate for high quality technical awareness, to provide best personal and professional service to clients.

Brian's presentation is on earthquake appraisal and strengthening of existing structures.

PETER MACDONALD

Arup

Peter Macdonald is a Senior Associate of Arup and currently is the leader of the Eastern Building Structures Unit based in Sydney. He has extensive experience in the design of complex structures, sports facilities and public buildings.

He has worked as lead structural engineer and project manager on numerous projects in Australia, Middle East and Asia. Peter has a passion for developing efficient integrated designs from concept through to project completion.

He has special interest in lightweight steel, cable and fabric structures and their interaction with wind loads. Peter will be presenting his experiences on the challenging but rewarding makeover of the Latitude building in Lavender Bay



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PROGRAM		PROGRAM continued	
1:00 pm	Registration	4:00 pm	Introduction Bruce Hutchison - ACSE Board Member
1:30 pm	Introduction Mike Haysler - ACSE Board Member	4:05 pm	Techniques & Case Histories of Investigation, Repair & Refurbishment Projects Peter Johnsson - Aust. Concrete Repair Assoc
1:35 pm	Adaptive Re-Use of Heritage Buildings Megan Jones - Tanner Architects	4:35 pm	Earthquake Strengthening of Existing Buildings Brian Wood - Northrop Engineers
2:05 pm	Investigation into Concrete Strength in Existing Structures David Mahaffey - Mahaffey Associates	5:05 pm	Case Study 2 Latitude Building, Lavender Bay Peter MacDonald - Arup
2:35 pm	Case Study 1 Kotara Shopping Centre Mark Woodwell - Hyder Consulting	5:35 pm	Question Time/ Open Forum
3:05 pm	Question Time	6:00 pm	Close
3:30 pm	Afternoon Tea	6:30 pm	Drinks/ Dinner/ Networking

ACSE would like to thank the following exhibitors for their support:



Assn. Consulting Structural Engineers of NSW
PO Box 442
St Leonards NSW 2065

Phone: 02 9966 4966
Fax: 02 9966 4977
Email: julia@acea.com.au
www.acse.org.au

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REGISTRATION FORM

RSVP: Monday 3rd July 2006

I/We apply to register for the ACSE Annual Seminar on Thursday, 13th July 2006

Name.....

Name.....

Organisation.....

Email

Address.....

.....Post Code.....

I / We shall be attending the dinner Yes No

Member/s of ACEA/ACSE Yes No

Registration Fee:	Member ACSE/ ACEA	\$250
	Non Member	\$310

Registration includes pre-printed papers, afternoon tea, pre-dinner drinks and dinner

.....Registrations @ \$..... per person

Enclosed is cheque for: \$..... ACSE (ABN: 45 000 026 648) is not registered for GST

Please register before Monday 3rd July 2006

Please Note: Refunds cannot be made unless notification is received in writing to the above address no less than 5 working days prior to the event. We take your return of this completed form as an indication of your intention to attend. Reminder notices will not be issued.

PARKING: The Blaxland Conference Complex car park is accessed via Ryde TAFE's main car park entrance. If you are proceeding in a northerly direction, via Blaxland Road turn left into Melville Street, then left into Parkes Street for main TAFE car park entrance. Please announce to the gate attendant that you are attending this function and ask for directions. Parking is available on levels 1, 2 and 3. The car park lift will take you directly to Level 4 for Registration.

Registrations to: ACSE - PO Box 442, St Leonards NSW 2065
Fax: 02 9966 4977 Email: julia@acea.com.au
Any queries please phone Julia on 02 9966 4966

