



CRC for *Construction Innovation* Research Symposium

**The Portside Centre,
Level 5, 207 Kent St, Sydney 2000**

Monday 4 June 2007

**You are invited to see and hear research progress and results about
Safety, Innovation and Integrated Digital Modelling**

at this free event

(Level 9 at The Bond is restricted. On the day, arrive at Level 4 for guided entry)

Noon Registration & light lunch

Program:

12.15	Welcome	Peter Scuderi	CRC
12.30	Innovative Construction: Methods and Examples	Karen Manley	QUT
1.00	Safety Case Studies – CIBE project	Craig Furneaux	QUT
1.30	Safer Construction	Tim Fleming	JHG
2.00	Construction Site Safety Culture	Don Dingsdag	UWS
2.30	Construction Safety Competency Implementation	Bert Biggs	QUT
3.00	Safety Effectiveness Indicators	Dean Cipolla	JHG
3.30	Integrated Digital Modelling	Peter Scuderi	CRC
4.00	Close		

**Seats are limited, so [Register](mailto:c.ribone@construction-innovation.info) your details and intention to attend to
c.ribone@construction-innovation.info by Monday 28 May 2007**

For more information about the topics on the program contact Lyn Pearson on 07 3138 9295

CRC = CRC Construction Innovation JHG = John Holland Group UWS = Univ. Western Sydney QUT = Qld. Univ. Technology

CRC for *Construction Innovation* – Sydney Research Symposium

1. Innovative Construction: Methods and Examples

This presentation will highlight outcomes of the BRITE Project. In 2006, this project researched the learning behaviours of 20 of Australia's most innovative contractors. The findings are published in our "Being the Best" report, which explains how these contractors stay at the top of their game. The companion report "Innovation Gallery" contains nine examples of project based innovation drawn from their activities.

Karen Manley (QUT): Karen is the project leader for the BRITE project as well as a Senior Research Fellow at the School of Urban Development, Queensland University of Technology.

2. Construction Industry Business Environment (CIBE) Project

From a review of the regulatory environment of three levels of government and its impact of industry followed by analysis of specific policy areas where a unified approach across all levels of government would provide a benefit to the construction industry, this presentation will discuss the OH&S case studies developed as one aspect of this project.

Craig Furneaux (QUT): Craig is the chief researcher on the CIBE project. At the same time he is completing his PhD at QUT. His PhD research area is aligned with the CIBE project and will extend the understanding of the impacts of government policy networks on public policy through cross case comparisons.

3. Safer Construction

This project is developing a Voluntary Code of Practice for industry to reduce accidents and injury on construction sites and addresses safety principles and practices for all groups that are able to influence safety in the Australian construction industry.

Tim Fleming (JHG): Tim is the project leader for the Safer Construction project. Tim's current role is Health, Safety Quality and Environment (HSQE) Manager for the John Holland Group, based in Sydney.

4. Construction Site Safety Culture

With an average of one person each week dying on Australian construction sites and thousands suffering serious injuries each year, the development of a Safety Task and Competency Matrix, which identifies the safety critical positions and the knowledge and skills required for those positions, has been launched and welcomed by the industry. This presentation will provide the background and the detail of how to develop and maintain a safety culture using this matrix.

Don Dingsdag (UWS): Don is a senior lecturer and consultant in Occupational Health and Safety at the School of Natural Sciences, University of Western Sydney. Don has been heavily involved in this project and is also a project member on the project outlined in the next presentation.

5. Construction Safety Competency Implementation

This project aims to develop Implementation Guides (or Support Kits) which include the "how to" steps for all 39 Safety Management Tasks identified in the previous project's Matrix. The kit will not only contain steps for those currently undertaking OH&S responsibilities, but targeted information across the Guide's four identified audiences will include the relevant qualities Human Resource staff should look for when recruiting for those critical positions. Its aim is to provide industry with the means to improve safety performance.

Herbert Biggs (QUT): Bert is the project leader for this project. As a project member of the previous project, he is working to build on the good results and ensure the Guides provide a relevant and useful tool for industry. Bert is a Senior Lecturer and Senior Research Consultant at the School of Psychology and Counselling, Queensland University of Technology.

6. Safety Effectiveness Indicators

Building on research from the Construction Site Safety Culture project, this project will examine what safety effectiveness measures could be used by industry to determine the effectiveness of critical safety activities identified in the Construction Industry Safety Competency Framework. This research will benefit industry by providing a compilation of effectiveness indicators against critical safety management activities and used by industry stakeholders to identify whether they are achieving desired outcomes or where their improvement focus needs to be targeted.

Dean Cipolla (JHG): Dean is a Group Safety Manager for the John Holland Group based in Melbourne. Dean led the successful Construction Site Safety Culture project and is the project leader for this project.

7. Integrated Digital Modelling Program

The construction industry has been seeking ways to cut costs, improve business process efficiency and improve productivity. Technology tools such as 3D and 4D computer aided design (CAD) and other software applications are available and used to improve various phases of planning, design, construction, operations, maintenance and management. The value of these individual applications is reduced because of the way in which project data is managed. The CRC is embarking on an 18 month program of integrated digital modelling research, broken into three distinct but related projects to improve the integration and interoperability in this environment.

Peter Scuderi (CRC): Peter is Chief Operating Officer (Research & Commercialisation). He provides development and commercialisation leadership and management of CRC CI's research projects to ensure that scientific and commercial outcomes are enhanced and promoted.

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