

Time	Sunday 12 March 2006
12:30 to 15:30	International Construction Research Alliance (ICALL) Network Meeting – closed session Banksia Room
17:00	Registration Norfolk Room Foyer
18:30	Informal Conference Dinner – <i>dress code: smart casual</i> Eldorado Poolside / Terrace Café Sponsored by: Minter Ellison Lawyers Guest speakers: John McCarthy, Chair, CRC for Construction Innovation <i>and</i> Margaret Brown, Partner, Minter Ellison Lawyers

Time	Monday 13 March 2006
8:00	Registration and morning coffee/tea Norfolk Room Foyer
8:30	Welcome and official opening by John McCarthy, Chair, CRC for Construction Innovation Norfolk Room
9:00	Keynote Address Should clients drive innovation? Mind, method and motivation Professor Peter Brandon, Director of Strategic Programmes, School of Construction and Property Management, University of Salford (UK) Norfolk Room
9:40	Keynote Address Private sector leadership in construction innovation Greg Paramor, Managing Director, Mirvac Group Norfolk Room
10:20	Morning tea: Kauri and Cypress Room (with exhibition)
10:50	Keynote Address Performance based building R&D roadmap towards Europe's Vision 2030 for construction Dr Greg Foliente, Principal Research Scientist, CSIRO Manufacturing & Infrastructure Technology Norfolk Room
11:30	Move to breakout rooms

	<u>Sustainable Construction for the Future</u> Chair: Judy Kraatz, Terrella Consulting Norfolk Room	<u>Industry Development</u> Chair: Dennis Wogan, Queensland Department of Main Roads Phoenix Room	<u>Meeting Client Needs</u> Chair: Andrew Baldwin, Hong Kong Polytechnic University Waratah Room	<u>Performance Based Building</u> Chair: Ian Jennings, Queensland Building Services Authority Acacia Room	<u>Scholars Stream</u> Chair: Lyn Pearson, CRC for Construction Innovation Boronia Room
11:35	<u>Session keynote presentation</u> Key sustainability transitions for Australia's cities (CS) Peter Newton, CSIRO	<u>Session keynote presentation</u> Collaboration and engagement throughout the supply chain: the role of government (R) Neal Ryan, Queensland University of Technology	<u>Session keynote presentation</u> Knowledge about what suppliers can offer: meeting client needs (CS) Silvester Slavenburg, Slavenburg's Bouwbedrijven (The Netherlands)	<u>Session keynote presentation</u> Performance based building design process – PeBBu Domain agenda and future development needs (R) Lam Pham, CSIRO	Wayfinding swarm creatures exploring the 3D virtual world (R)* Ji Soo Yoon, University of Sydney
11:55	Leading edge sustainable buildings for the next decade (CS) Peter Szental, Szencorp	Optioneer™ - an innovative approach to concept optioneering and rework avoidance for the water industry (CS) Tom Connor, Kellogg, Brown & Root	Case studies in implementation of constructability improvement by construction project owners in Indonesia (R) Bambang Trigunaryah, Univ of Indonesia (Indonesia)	Methods for the service life estimation of metal building products as applied to schools and bridges (CS)* Penny Corrigan, CSIRO and Michael Ball, Queensland Dept of Public Works	Client risk factors leading to cost over-run in highway projects (R)* Garry Creedy, Queensland University of Technology
12:15	Benchmarks for recycling practices in commercial office building refurbishments: data collection challenges (R) Graham Miller, University of Western Sydney	Facilitating technology transfer in the construction industry (R) David Thorpe, University of Southern Queensland	Quality specifications for clients (CS) Richard Choy, NATSPEC Construction Information	Structural strengthening for optimising floor space during retrofitting of high-rise office buildings (R)* Sujeeva Setunge, Royal Melbourne Institute of Tech	Towards a "loosely-wired" design optimisation tool (CS)* Wei Peng, University of Sydney
12:35	The role of LCA in manufacturer innovation for sustainability (CS) David Baggs, Ecospecifier	Innovation through harnessing constructive ideas of construction personnel (CS) Sam Fernando, Engineers Australia	HVAC system size – getting it right (CS)* PC Thomas, Team Catalyst	High quality indoor environments for office buildings (R)* Stephen Brown, CSIRO	Auditory gesture for interactive installation environments (CS)* Joanne Jakovich, University of Sydney
12:55	Lunch: Terrace Café				Facility management as the catalyst to accelerate the evolutionary changes in workplace architecture (R)* Agustin Chevez, RMIT <i>- to conclude at 1:15 pm</i>

13:55	Keynote Address Imagining Australia's construction sector – a template for the future Peter Verwer, Chief Executive, Property Council of Australia Norfolk Room				
14:35	Move to breakout rooms				
	<u>Sustainable Construction for the Future</u> Chair: David Parken, Australian Construction Industry Forum/Royal Aust Institute of Architects Norfolk Room	<u>Industry Development</u> Chair: Don Allan, Queensland Department of Public Works Phoenix Room	<u>Meeting Client Needs</u> Chair: Alan Tesch, Queensland Department of Main Roads Waratah Room	<u>Performance Based Building</u> Chair: Peter Boxhall, CSIRO/Australian Performance Based Building Network (Aus-PeBBu) Acacia Room	<u>Closed Session</u> Banksia Room
14:40	<u>Session keynote presentation</u> Regulator and innovator – role of government in energy efficiency and sustainability in buildings (R) Tony Marker, Australian Greenhouse Office	<u>Session keynote presentation</u> pulse ^o , building industry performance measurement for informed decision making (CS) Gwen Schwarz, Victorian Building Commission	<u>Session keynote presentation</u> Value for money in road infrastructure delivery (CS) Colin Jensen, Queensland Department of Main Roads	<u>Session keynote presentation</u> Performance based procurement practices (R) Greg Foliente, CSIRO	Commencing at 3:00 pm CIB W092 'Procurement Systems' Special Interest Meeting Invited speaker: Professor Steve Rowlinson Topic: The research agenda of W092 (http://hkusury2.hku.hk/cibw92/)
15:00	Benchmarking sustainable residential dwellings (R)* Anne Miller, CSIRO and Michael Ball, Queensland Department of Public Works	Implementing collaborative, open workspaces – what to expect (CS) Geoff Gannon, John Holland	Project member behaviour and client service expectations – a case study in implementation (CS) Dorothea Hall, Potent Professionals	Project Diagnostics – a cure for poorly performing construction projects (R)* Daniyal Mian, Arup	
15:20	Review of sustainable construction strategies in South Australia with reference to the UK experience (R) Nathan Foulis, Hansen Yuncken Pty Ltd	Public policies and innovation in the construction industry (R) Kristian Widén, Lund University (Sweden)	Ensuring value for money: a value management approach to manage multiple stakeholders in the briefing process (R) Geoffrey Shen, Hong Kong Polytechnic University (Hong Kong)		
15:40	Afternoon tea: Kauri and Cypress Room (with exhibition)				

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Second International Conference - 12-14 March 2006, Gold Coast, Australia

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	<u>Sustainable Construction for the Future</u> Chair: Ron Wakefield, Royal Melbourne Institute of Technology Norfolk Room	<u>Industry Development</u> Chair: Ray Kelly, Queensland Department of State Development, Trade and Innovation Phoenix Room	<u>Meeting Client Needs</u> Chair: Judith Carr, South Australian Department for Admin and Info Services Waratah Room	<u>Closed Session</u> Cristel's Restaurant
16:10	<u>Session keynote presentation</u> Building regulation reform: where to next? (CS) Ivan Donaldson, Australian Building Codes Board	<u>Session keynote presentation</u> Construction industry transformation: 18 Westlands Road, Hong Kong - a case study in building information modelling (CS) Martin Riese, Gehry Technologies Asia (Hong Kong)	<u>Session keynote presentation</u> Industrialising residential construction for small to medium size US home builders (R) Thomas Mills, Virginia Tech University (USA)	CIB National Members Briefing (briefing to conclude at 5:30 pm with private cocktail function until 6:30 pm)
16:30	Fibre composite innovations in Australia's construction industry (R) Gerard Van Erp, University of Southern Queensland	Understanding the innovation adoption process of construction clients (R) Geert de Wulf, University of Twente (The Netherlands)	Assessing contractor financial capacity (CS) Dayv Carter, Queensland Department of Public Works	
16:50	The <i>Your Building</i> project – profiting from sustainability (CS)* Tony Stapledon, CRC for Construction Innovation	A new paradigm for skills formation in the civil construction industry (CS) Noela Eddington, Queensland Department of Employment and Training	The client's role in driving an appropriate project culture leading to innovative performance outcomes (R) David Ness, University of South Australia and South Australia Department for Transport, Energy and Infrastructure	
17:10	An international comparison of housing energy efficiency and performance standards (R) Carolyn Hayles, Royal Melbourne Institute of Technology	eLearning modules - increasing knowledge of collaboration tools for construction management (R)* Debbie Smit, Queensland University of Technology and Claudelle Taylor, John Holland	Avoiding project catastrophe through innovation in process risk management – a new paradigm (CS) Graham Scott, Graham Scott & Associates	
17:30	End of sessions			
19:00	Pre-Dinner Drinks Norfolk Room Foyer			
19:30	Formal Conference Dinner – dress code: lounge suit Norfolk Room Sponsored by: Australian Institute of Quantity Surveyors (AIQS) Guest speakers: Steven Bradbury, Australia's first Winter Olympic Gold Medallist (motivational speaker) John Lowry, Immediate Past President, FAIQS			

Time	Tuesday 14 March 2006				
8:00	Registration and morning coffee/tea Norfolk Room Foyer				
8:45	Welcome and award presentation for Best Scholar's Paper by Dr Keith Hampson, Chief Executive Officer, CRC for Construction Innovation Norfolk Room				
9:00	Keynote Address Leaving today's future of building behind Martin Fischer, Associate Professor of Civil and Environmental Engineering and (by courtesy) Computer Science, Stanford University (USA) Norfolk Room				
9:40	Keynote Address Integration and innovation in practice Dr Keith Futcher, Chief Executive Officer, ISS EastPoint Group (Hong Kong) Norfolk Room				
10:20	Morning tea: Kauri and Cypress Room (with exhibition)				
10:50	Keynote Address Facilities management in Italy: between traditional and innovative approaches Professor Lorenzo Bellicini, Technical Manager and member of the Board of Directors, CRESME Research Centre (Italy) Norfolk Room				
11:30	Move to breakout rooms				
	<u>ICTs Improving Efficiencies</u> Chair: Stephen Kajewski, Queensland University of Technology Norfolk Room	<u>Industry Development</u> Chair: Selwyn Clark, Queensland Department of Public Works Phoenix Room	<u>Meeting Client Needs</u> Chair: Gerry Shutt, John Holland Waratah Room	<u>Procurement and Risk Management</u> Chair: Steve Hogan, Queensland Department of Main Roads Acacia Room	<u>Closed Session</u> Banksia Room
11:35	<u>Session keynote presentation</u> iBuilding (CS) David Marchant, Woods Bagot	<u>Session keynote presentation</u> Measuring the technical competence of repeat public- sector construction clients (R)* Karen Manley, Queensland University of Technology	<u>Session keynote presentation</u> Investment analysis for large road network asset management (R)* Noppadol (Anthony) Piyatrapoomi, Royal Melbourne Institute of Tech	<u>Session keynote presentation</u> Managing the State's risk (CS) Max Smith, Queensland Department of Public Works	CIB TG58 'Clients and Construction Innovation' meeting
11:55	Early design-stage parametric building development (R)* John Crawford, CSIRO	A reflexive capability model for sustainable e-business environments in construction supply chain (R)* Kerry London, University of Newcastle	Applying DRIVE and IKE™ for efficient and cost-effective data acquisition for asset management systems (CS) Ashish Shah, Cardno	The drafting of PPP documents (R) Roger Quick, Gadens Lawyers	

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12:15	An integrated approach to single point data collection using PDAs and tablets (R) Paul Forghani, Thiess	New Compliance Data Management Service to improve implementation of quality assurance in the building and construction industry (CS) John Anderson, ABE Services	Getting it right the first time (CS) Peter Jorss and Alan McLennan, Engineers Australia	Effecting sustained innovation in the construction procurement process (R) Martina Murphy, University of Ulster (Northern Ireland)	CIB TG58 'Clients and Construction Innovation' meeting (continued)
12:35	Comparing distance collaborative designing using digital ink sketching and 3D models in virtual environments (R)* Mary Lou Maher, University of Sydney	Cross-national research on barriers to construction automation and robotics implementation in Australia and Japan (R) Rohana Mahbub, Queensland University of Technology	Capital works procurement policies in Australia: implications for understanding and meeting client needs (CS) Don Allan, Queensland Dept of Public Works and Craig Furneaux, Queensland University of Technology	Clients' building product eco-profiling needs (R)* Delwyn Jones, Queensland Department of Public Works	
12:55	Lunch Terrace Café				
13:55	Keynote Address Adopting innovation: building information models in the Finnish real estate and construction cluster Arto Kiviniemi, Chief Research Scientist, VTT Technical Research Centre of Finland Norfolk Room				
14:35	Move to breakout rooms				
	<u>ICTs Improving Efficiencies</u> Chair: Jeanette Clough, Rider Hunt Norfolk Room	<u>Construction Health and Safety</u> Chair: Ross Williams, Ebsworth & Ebsworth Lawyers Phoenix Room	<u>Facilities Management</u> Chair: Ken Moschner, Brisbane City Council Waratah Room	<u>Procurement and Risk Management</u> Chair: David Stewart, Brisbane City Council Acacia Room	
14:40	<u>Session keynote presentation</u> Automating code checking for building designs – DesignCheck (R)* Lan Ding, CSIRO	<u>Session keynote presentation</u> Using safety culture to overcome market force influence on construction site safety (R)* Herbert Biggs, Queensland University of Technology	<u>Session keynote presentation</u> Low energy high rise – realising the savings (CS) David Hood, The Warren Centre	<u>Session keynote presentation</u> Case study on the effectiveness of the Brisbane Water Enviro Alliance risk reward structure in delivering the stakeholder's goals (CS) Mark Carney, John Holland	
15:00	Multidisciplinary collaboration using agent-based virtual worlds (R)* Mary Lou Maher, University of Sydney	Supporting the design OHS process: a knowledge-based system for risk management (R) Helen Lingard, Queensland University of Technology	FM service quality indicators – benefiting supplier and customer (R) Hermen van Ree, University College of London (UK)	Cost of tendering: adding cost without value? (R) John Dairymple, Royal Melbourne Institute of Technology	

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15:20	Ontology-based demand support systems for urban development (R) Robin Drogemuller, CSIRO	Safety culture in the construction industry: enforcement or education? (R) Don Dingsdag, University of Western Sydney	An integrated collaborative approach for FM – Sydney Opera House FM Exemplar (CS) Stephen Ballesty, Rider Hunt	Difficulties in defining product sustainability (R) Shane West, University of Technology, Sydney/Unitec (NZ)
15:40	Afternoon tea: Kauri and Cypress Room (with exhibition)			
	<u>ICTs Improving Efficiencies</u> Chair: Peter Scuderi, CRC for Construction Innovation Norfolk Room	<u>Construction Health and Safety</u> Chair: David Golightly, John Holland Phoenix Room	<u>Facilities Management</u> Chair: Andrew Clowes, Jones Lang LaSalle Waratah Room	<u>Procurement and Risk Management</u> Chair: Alan Tupicoff, Australian Institute of Project Management Acacia Room
16:10	<u>Session keynote presentation</u> Introducing building information models into a large public organisation (CS) Tom Fussell, Project Services, Queensland Department of Public Works	<u>Session keynote presentation</u> Occupational health and safety – clients role in driving best practice (CS) Con Bookogianne, Brisbane Water Enviro Alliance/John Holland	<u>Session keynote presentation</u> Facilities Management Action Agenda – the Australian government and industry working together for improvement (CS) Stephen Ballesty, FM Association of Australia and FM Action Agenda Implementation Board	<u>Session keynote presentation</u> Brisbane City Council @ Brisbane Square “client initiated building” (CS) Frank Riley, Brisbane City Council
16:30	The automatic generation of virtual prototypes (CS) John Frazer, Gehry Technologies Digital Practice Ecosystem (UK)	Occupational health and safety in the construction industry (CS) Cath Winter, Australian Safety and Compensation Council, Department of Employment and Workplace Relations	Evaluation of distress mechanisms in bridges exposed to aggressive environments (R)* Srikanth Venkatesan, Royal Melbourne Institute of Technology	Rebalancing risk and rewards (R) Jim Doyle, Doyles Construction Lawyers
16:50	3D city database: bridging GIS and CAD (R)* Robin Drogemuller and Gerardo Trinidad, CSIRO	Managing employees’ work-life balance: the impact of management on individual well-being and productivity (R) Kerry Brown, Queensland University of Technology	Measuring building facility performance – public sector model (CS) Teng Hee Tan, Queensland Department of Public Works	Towards blue project outcomes – the roadmap to project excellence (CS) Tom Crow, Crobar
17:10	Return to Norfolk Room			
17:15	Closing remarks by Keith Hampson, CRC for Construction Innovation Norfolk Room			

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- * Indicates paper which have had research input from the CRC for Construction Innovation
- (R) Indicates Refereed Paper** – all refereed papers were subjected to a formal and stringent double-blind review process. Independent reviewers completed detailed paper review forms. Feedback was taken from these paper review forms and provided to authors. Where conflicting paper review forms were returned from reviewers, the Organising Committee Chair made the final decision as to the acceptability of the submitted paper.
- (CS) Indicates Case Study** - all case studies were subjected to a less stringent independent review process.