CIB W78 2003
20th International Conference
Information Technology for Construction

Timetable

Tuesday, 22 April 2003

6:00 – 7:00	Conference registration
7:00 – 10:00	Welcome Barbeque

Wednesday, 23 April 2003

	Waiheke Suite
8:00 – 8:45	Conference registration
8:45 – 11:15 (by bus)	Powhiri at Waiheke Island Marae and Morning tea
11:15 – 12:15	**Keynote:** Rob Howard
12:15 – 12:45 Chair: M. Betts	Two Decades of Research Developments in Building Design, Claude Bédard and Hugues Rivard
	Lunch
1:45 – 3:15 Chair: C. Bédard	A Generic Inclusion of Space Strategies with Activity Execution Patterns in 4D Tools, Zaki Mallasi and Nash Dawood Development of the PM-Supporting Tool in Japanese Building Construction Market: Improvement of an Application Software for Scheduling, Ryusuke Mizuno, Shuzo Furusaka, Takashi Kaneta, Takayori Takamoto and Chikashi Yoshida A Software Tool for IT Project Selection (PROSEL), Rodney Stewart and Sherif Mohamed Theoretical Constructs for IS-Capability in AEC, Marja Naaranoja and Paul Clarke
	Afternoon tea
3:45 – 5:30 Chair: P. Christiansson	An Industrial Evaluation of the Virtual Construction Site (VIRCON) Tools, Nashwan Dawood, Eknarin Sriprasert, Zaki Mallasi and Darren Scott An Agent Approach to Data Sharing in Virtual Worlds and CAD, Mary Lou Maher, Pak-San Liew and John S. Gero Design Critique Inside a Multi-Player Game Engine, Jules Moloney, Robert Amor, Jay Furness and Benjamin Moores A Framework for a Collaborative Design Review System Utilizing 3D Game Development Tool, Mohd.Fairuz Shiratuddin and Walid Thabet VR modeling in Built & Environment - Some experiences and directions in site operations, Stefan Woksepp and Odd Tullberg
5:30 – 7:00	CIB W78 Board Meeting

sponsored by IAI Australasia

Thursday, 24 April 2003

	Waiheke Suite
8:30 – 9:00	Conference registration
9:00 – 10:45 Chair: M.L. Maher	'Healer, Heal Thyself!': Information Management in an Architecture Faculty, Andreas Dieckmann, Peter Russell and Thomas Stachelhaus Network-based Co-operation Processes for Fire Protection Planning, Udo F. Meissner, Uwe Rueppel, Steffen Greb and Mirko Theiss Genetic Algorithms for Multi-Constraint Scheduling: An Application for the Construction Industry, Eknarin Sriprasert and Nashwan Dawood Design as Problem Handling - Outline of a Framework, Anders Ekholm
	Morning tea
11:15 – 12:30 Chair: P. Clarke	Creating a Benchmarking Service to Measure ICT Uptake for the Australian Construction Industry, Graham Brewer, Thayaparan Gajendran, Judith McCann and Swee Eng Chen (to be presented by Robin Drogemuller) A Comparative Study: With Insight into the Use of IT in Local Architectural Practices, Azza A. Arif and Aly H. Karam Sustainable Development of Construction Small and Medium Enterprises (SMEs): IT Impediments Focus, Rodney Stewart, Christopher Miller, Sherif Mohamed and Gary Packham
	Lunch
1:30 – 3:15 Chair: N. Dawood	Product Family Modelling in the Construction Industry, Kaj A. Jørgensen Clarity in the usage of the terms ontology, taxonomy and classification, Reinout van Rees An Integrated Environment for Life Cycle Costing in Construction, Nick Bakis, Mike Kagiouglou, Ghassan Aouad, Dalanthi Amaratunga, Mohammed Kishk and Assem Al-Hajj Time-Cost Relationship for Residential Construction in Texas, Ifte Choudhury and Siva Shankar Rajan Middleware-based Modelling and Simulation of Geotechnical Structures, Udo F. Meissner and Jochen Ruben
	Afternoon tea
3:45 – 5:30 Chair: A. Ekholm	Re-Engineering of Objects in Constructional Drawings, Volker Berkhahn and Christian Esch Properties for Fire Engineering Design in New Zealand and the IFC Building Product Model, Michael Spearpoint LCADesign: An integrated approach to automatic eco-efficiency assessment of commercial buildings, S.N. Tucker, M.D. Ambrose, D.R. Johnston, P.W. Newton, S. Seo and D.G. Jones An IFC-based Product Model for RC or PC Slab Bridges, Nobuyoshi Yabuki and Tomoaki Shitani
7:00 – 10:30	Depart for conference dinner

Friday, 25 April 2003

	Waiheke Suite
8:00 – 8:30	Conference registration
8:30 – 9:30	**Keynote:** Mary Lou Maher
9:30 – 10:30 Chair: G. Coetzee	Applying Web Services Within the AEC Industry: Enabling Semantic Searching and Information Exchange Through the Digital Linking of the Knowledge Base, David Harrison, Michael Donn and Henry Skates An IT Infrastructure for Long Term Research & Development at the CRC for Construction Innovation, Robin Drogemuller, Keith Hampson and Kwok-Keung Yum Web Services for Crime Deterrent Design Knowledge, Song Wu, Angela Lee, Ghassan Aouad and Charlie Fu
	Morning tea
11:00 – 1:00 Chair: R. Drogemuller	Next Generation Knowledge Management Systems for the Construction Industry, Per Christiansson Conceptual Framework for Live Capture and Reuse of Project Knowledge, John M. Kamara, Chimay J. Anumba, Patricia M. Carrillo and Nasreddine Bouchlaghem Management of information flows during construction projects, Benoît Otjacques, Pierre Post and Fernand Feltz Data Rich Digital Architectural Environments: Managing Rich Information Flows in Architectural Practices of Australia, Nghia Pham and Anthony Dawson Information Technology-Enabled Knowledge Sharing in Multinational Strategic Alliances: Media Richness - Task Relevance Fit, Martin Sexton, Bingunath Ingirige and Martin Betts
	Lunch
1:30	Departure for post-conference tour