

Wednesday, August 3rd, 2005

8:30 -17:30

Hall F

**Special Focus Symposium on Systems Research in the
Architecture, Engineering & Construction (AEC) of Built Environments**

Chair: Prof. Yew-Thong Leong, Ryerson University, Toronto, Canada

Co-Chair: Prof. John Cirka, Ryerson University, Toronto, Canada

Co-Chair: Dr. Constantine Katsanis, Ryerson University, Toronto, Canada

Morning Session / 08:30 – 12:30

Introduction to Symposium

by Prof. Yew-Thong Leong, Ryerson University, Toronto, Canada

Key Note Speaker:

How to Win Architectural Competitions

by Dr. Greg Andonian, Carleton University, Ottawa, Canada

Paper Presentations - I.

Session Chair: Prof. John Cirka, Ryerson University, Toronto, Canada

Creative Design Control + Emergent Phenomena

by Prof. John Cirka, Ryerson University, Toronto, Canada

Digital | Material: Digital Fabrication and Design Studio

by Prof. Frederick Norman, Auburn University, Auburn, Alabama, USA

**Not just Special Effects. Pushing the Frame: A Study of the Processes of Construction
in Glass and Digital Video**

by Prof. Catherine Ann Somerville Venart, Dalhousie University, Halifax, Canada

Digital Tools: Ways of Conceiving and Communicating Architectural Ideas

by Prof. Arthur Wigglesworth, Ryerson University, Toronto, Canada

Trojan Horse: Design Media and its Implications to Architecture

by Dr. Osman Ataman, University of Illinois at Urbana Champaign, Champaign, USA

Assisted Listening: Computers, Sound, and Architecture

by Prof. Colin Ripley, Ryerson University, Toronto, Canada

Graph-Based Models of Space in Architecture and Cognitive Science: A Comparative Analysis

by Dr. Gerald Franz; Dr. Hanspeter A Mallot; Dr. Jan M. Wiener, University of Tübingen, Germany

**Complex and Subtle Systems in Architectural Design Teaching:
The Case of the Chinese Scholar Garden**

by Dr. Greg Missingham, The University Of Melbourne, Melbourne, Australia

Workplace ‘Deconstructed’?

by Mirja Lievonon, Royal Holloway University of London, London, UK

LUNCH BREAK 12:30 – 13:30

Wednesday, August 3rd, 2005 (cont'd)

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Afternoon Session / 13:30 – 17:30

Paper Presentations - II.

Session Chair: Dr. Constantine Katsanis, Ryerson University, Toronto, Canada:

The Dynamics of Structure and Strategy in AEC Firms:

Towards an Amplification of Performance

by Dr. Constantine Katsanis, Ryerson University, Toronto, Canada

Knowledge Sharing in the Inter-Disciplinary Construction Team

by Dr. Barry Jones, Cal Poly State University, USA

Validation of BEP-SMART: Built Environment Programs-Skills Monitoring and Assessment Rating Tool Using the Structural Equation Modelling (SEM) Approach

by Dr. Nicholas Chileshe, Sheffield Hallam University, Sheffield, UK; and

by Dr. Theo Haupt, Cape Peninsula University of Technology, Cape Town, South Africa

Shifting from a Product Modeling Approach towards a Semantic Web Approach for the Integration of Construction Management Computer Applications

by Dr. Edwin Dado, Dr. R. Beheshti, Dr. H. de Ridder,
Technical University of Delft, Delft, The Netherlands

Coffee Break 15:30 – 15:45

Future Encounters: Developing Smart Architectural Material for The Future

by Dr. Osman Ataman, Dr. John Rogers,

University of Illinois at Urbana Champaign, Champaign, USA

Round Timber Building Systems in New Zealand

by Prof. John Chapman, University of Auckland, Auckland, New Zealand

A Systems Language: Architecture, Engineering and Construction

by Prof. Yew-Thong Leong, Ryerson University, Toronto, Canada