### OUTLINE OF SYMPOSIUM PROGRAMME

<table>
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<tr>
<th>Day / Venue</th>
<th>Pacific 3, Level 1</th>
<th>Ocean 3, Level 2</th>
<th>Ocean 4, Level 2</th>
<th>Mediterranean Room, Level 2</th>
<th>School of Design and Environment, NUS</th>
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<tr>
<td><strong>DAY ONE, 22 October 2003</strong></td>
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<td>0945</td>
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<tr>
<td>1000</td>
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<td>Keynote Paper II</td>
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<td>1540</td>
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<td>Meetings of CIB Task Groups and Working Commissions</td>
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<td>Day / Venue</td>
<td>Pacific 3, Level 1</td>
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<td>1515</td>
<td>Talk by Journal Editor</td>
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<td>1535</td>
<td>Rapporteurs' Reports</td>
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<td>1655</td>
<td>- Closing Ceremony - Presentation of Best Paper Awards - Closing Remarks by Head, Dept of Building, NUS</td>
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</table>
KNOWLEDGE CONSTRUCTION
JOINT INTERNATIONAL SYMPOSIUM OF CIB WORKING COMMISSIONS
W55: Building Economics
W65: Organisation and Management of Construction
W107: Construction in Developing Countries
Singapore, 22-24 October 2003

SYMPOSIUM PROGRAMME

DAY ZERO – 21 OCTOBER 2003

1730 -1930 Early Registration – City Hall Chamber (Level 3), The Singapore Academy of Law, 3 St Andrews Road, City Hall, Singapore 178958

1800 Welcome Cocktails – City Hall Chamber (Level 3), The Singapore Academy of Law, 3 St Andrews Road, City Hall, Singapore 178958

DAY ONE – 22 OCTOBER 2003

Plenary Session – Pacific 3, Level 1, The Pan Pacific

0800 Registration

0850 Delegates and Guests to be seated

0900 Welcome Address by Professor Cheong Hin Fatt, Dean, School of Design and Environment, National University of Singapore

0910 Response by Professor Peter Barrett, Co-ordinator of CIB W65 and Deputy Vice-Chancellor, University of Salford, UK

0920 Speech by Guest of Honour, Her Excellency Ms Stella Sigcau, Minister of Public Works, Republic of South Africa

0945 Break

1000 Keynote Paper I – Dr Erkki Leppävuori, Director-General, VTT, Technical Research Centre of Finland
Improving the performance of the construction industry

1020 Keynote Paper II – Professor Fred Moavenzadeh, Massachusetts Institute of Technology
International construction: an evolving market both in terms of demand and supply
### Theme One: The Knowledge Age and its Implications for Construction
--- Chair: Professor Denny McGeorge

- Problems of embedding knowledge and the effects of context in managing change in construction firms
  - Mike Bresnen, Anna Goussevskaia and Jacky Swan

- Growth, knowledge and culture: technical consultants in construction
  - Jan Bröchner and Per-Olof Sverlinger

- The application of knowledge management in Taiwan public construction projects
  - Chin-Hsiang Chang, Yu-Cheng Lin and H. Ping Tserng

- Opportunities to enhance organizational learning in Singapore’s construction industry
  - Mohammed F Dulaimi and Florence Yean Yng Ling

- Understanding socio-technical issues in intra-team knowledge creation in multidisciplinary teams
  - Patrick S.W. Fong

- Conceptual model for project design and information management
  - Anny Chon Yap Liauw, Florence Yean Yng Ling and F.T. Edum-Fotwe

### Theme Two: New Models of the Construction Industry, Project and Process
--- Chair: Dr Richard Fellows

- Client briefing in public private partnership projects
  - Akintola Akintoye and James Donnelly

- Claims and dispute development: a transaction cost approach
  - Ajibade Ayodeji Aibinu

- Benchmarking performance measurement practices in facilities management organizations: a conceptual framework
  - Dilanthi Amaratunga and David Baldry

- A study to develop a good practice framework for client retail refurbishment programmes
  - Steven Male, Marcus Gronqvist, John Kelly, Leela Damodaran and Wendy Olphert

- Gaining top management commitment to health and safety
  - Peter Barrett

- Case-based reasoning in design
  - Helena Galha Bártolo and Paulo Jorge Bártolo

- Re-engineering construction – is it something new?
  - Colin H. Davidson and Roger B. Richard

- Understanding construction fatalities in Singapore: prevention versus cure – a dynamic approach
  - Evelyn Ai Lin Teo and Adrian Fook Weng Chong

### Theme Three: Developing the Resources
--- Chair: Professor Steven P. Male

- Exploring the case for a construction guarantee fund in New Zealand
  - Vasantha Abeysekera

- Just-in-time (JIT) modelling for ready mixed concrete suppliers in Singapore
  - Wu Min and Low Sui Pheng

- Attracting investors into private infrastructure in emerging markets
  - Lucy Chege

- Establishing the empowerment requirements for lean construction and the potential of the workforce to meet them
  - Michael Coffey

- An assessment of current subcontracting options in South Africa: the employers’ perspectives on transition
  - Jane English and George Mbuthia

- Low labour-input technology utilization in the construction industry
  - George Kun

- Construction programme versus workers’ specialization
  - Irene Lill
### DAY ONE – 22 OCTOBER 2003

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<tr>
<th>Time</th>
<th>Location</th>
<th>Theme One: The Knowledge Age and its Implications for Construction -- Chair: Dr Michael Bresnen</th>
<th>Theme Two: New Models of the Construction Industry, Project and Process -- Dr Anita M.M. Liu</th>
<th>Theme Three: Developing the Resources -- Professor Benjamin Uwakweh</th>
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</thead>
<tbody>
<tr>
<td>1325-1525</td>
<td>Ocean 3, Level 2</td>
<td>Knowledge management in construction companies oriented on project success factors</td>
<td>International comparison of project finance arrangements in private infrastructure projects</td>
<td>Collaboration, learning and working processes in project groups in partnering projects</td>
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<td>Pacific 3</td>
<td>Gerhard Girmscheid and Rolf Borner</td>
<td>K.A.K. Devapriya and F. Pretorius</td>
<td>Göran Lindahl and Per-Erik Josephson</td>
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<td>Ocean 4, Level 2</td>
<td>Using learning histories to evaluate organisational learning culture</td>
<td>Managing know-how of distributed design teams in aerospace construction and product design</td>
<td>Subcontracting and self-performance in the US building and non-building construction sectors</td>
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<td>M.C. Jefferies, S.E. Chen and R. Zenke</td>
<td>F.T. Edum-Fotwe, A. Thorpe, A.B. Wooton, A.N.W. North, R. Cooper, M.J. Gregory and P.J. Deasley</td>
<td>Roberto Pietroforte and Nicola Costantino</td>
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<td>Knowledge repository for construction projects: Hype or real solution?</td>
<td>Health and safety on site as perceived by the South African subcontracted workforce</td>
<td>A study on construction waste in Chile</td>
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<td>Kalle Kähkönen and Abdul Samad (Sami) Kazi</td>
<td>Jane English</td>
<td>Alfredo Serpell and Mario Labra</td>
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<td>Speaking the unspoken: tacit knowledge and the management of human resources</td>
<td>Ethics, culture and price implications for construction projects</td>
<td>Transportation of construction materials: the hidden cost</td>
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<td>Richard Neale, Andrew Dainty, Barbara Bagilhole, Rosanna Duncan and Ani Raiden</td>
<td>Richard Fellows</td>
<td>Winston Shakantu, John E. Tookey and Paul Bowen</td>
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<td>Rethinking knowledge in construction: improving process by using a brain-drain</td>
<td>Exploring common practices in construction project management: a UK perspective</td>
<td>Construction Subcontracting in Singapore</td>
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<td>approach Wilco Tijhuis</td>
<td>Chris Fortune and Mel Lees</td>
<td>Lim Kwee Hoe</td>
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<td>Using a soft systems methodology approach to knowledge elicitation: an</td>
<td>The relevance of economic value added in assessing business performance</td>
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<td>Australian case study Derek H.T. Walker, Andrew Finegan and Tayyab Maqsood</td>
<td>Ali Grada, Roy Morledge and Mohieddin Grada</td>
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<td>Case studies in knowledge management in construction companies</td>
<td>Improving public sector delivery management in South Africa</td>
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<td>Patrick X.W. Zou, Denny McGeorge and Chie-Ann Lim</td>
<td>Bridgette Gasa, Dean Barnes, Malijeng Ngqaleni and Spencer Hodgson</td>
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<td>Implementing knowledge management in construction companies - why is it necessary?</td>
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1525 Break
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<tr>
<td>1540-1730</td>
<td>Ocean 3, Level 2&lt;br&gt;Theme Seven - Innovation in Construction&lt;br&gt;Chair: Professor Jan Brochner</td>
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<tr>
<td>Pacific 3, Level 1</td>
<td>Theme Two: New Models of the Construction Industry, Project and Process&lt;br&gt;Chair: Dr Alfred Ngowi</td>
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<td>Ocean 4, Level 2</td>
<td>Theme Three: Developing the Resources&lt;br&gt;Chair: Professor Alfredo Serpell</td>
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<td><strong>Governmental guidelines: a barrier to innovative procurement?</strong>&lt;br&gt;Kristian Widén and Per-Ola Jönsson</td>
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<td><strong>Innovation rates and drivers in the road industry - the case of Queensland, Australia</strong>&lt;br&gt;Karen Manley and Stephen McFallan</td>
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<td><strong>Theme Nine: Championing, and Networks for, Industry Development</strong>&lt;br&gt;Managing the implementation of research results in the context of a national R&amp;D programme&lt;br&gt;Brian Atkin and Jan Borgbrandt</td>
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<td><strong>Developing the construction industry: the case of Hong Kong</strong>&lt;br&gt;Paul Fox and Martin Skitmore</td>
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<td><strong>Collective championing of construction industry development in Singapore</strong>&lt;br&gt;Patricia Lim Mui Mui and George Ofori</td>
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<td><strong>Championing behaviour of project manager: determinants and outcomes</strong>&lt;br&gt;Madhav Prasad Nepal and Moonseo Park</td>
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<td><strong>Developing the mandate of the CIDB in South Africa</strong>&lt;br&gt;Spencer Hodgson, Sheila Hughes and Bridgette Gasa</td>
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<td><strong>Theme Eight – Developing Countries Issues</strong>&lt;br&gt;A national policy framework for financing district road maintenance in Indonesia&lt;br&gt;Max Antameng and Steven Male</td>
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<td><strong>Promoting organisational learning in Indonesian construction firms</strong>&lt;br&gt;Imelda Krisiani Tjandra and Willie Tan</td>
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**Symposium Banquet** 1900-2200
i. Buses leave the Pan Pacific Singapore at 1815 sharp.
ii. Buses leave the dinner venue for The Pan Pacific and the following designated hotels: Allson, City Bayview, Grand Plaza and Peninsula at 2215.
### DAY TWO – 23 OCTOBER 2003

**Plenary Session – Pacific 3, Level 1, The Pan Pacific**

**0900 Keynote Paper III – Shimizu Corporation, Japan**

*Technology and knowledge fusions toward construction innovation – by Yusuke Yamazaki and Yasuo Ueda*

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<thead>
<tr>
<th>Ocean 3, Level 2</th>
<th>Pacific 3, Level 1</th>
<th>Ocean 4, Level 2</th>
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</table>
| **Theme Eight: Developing Countries Issues**  
*Chair: Dr Emelia van Egmond* | **Theme Two: New Models of the Construction Industry, Project and Process**  
*Chair: Dr Will Hughes* | **Theme One: Theme 1 - The Knowledge Age and its Implications for Construction**  
*Chair: Professor Brian Atkin* |
| Sustainable infrastructure development in Africa: from antithesis to synthesis - the need for industry strategy  
*Pantaleo D. Rwelamila* | Construction quality evaluation and design parameters for preventing latent defects in buildings  
*Low Sui Pheng and Chong Wai Kiong* | Construction project-oriented knowledge management portal system  
*Yu-Cheng Lin, Chin-Hsiang Chang and H. Ping Tserng* |
| The behaviour of construction costs and affordability in developing countries: a Yemen case study  
*Basel Sultan and Stephen Kajewski* | Drawing the line: balancing the spatial requirements of customer and contractor in occupied refurbishment  
*John M. Kelsey* | Mapping learning networks in construction  
*Ricky W.K. Fu, Hing Po Lo and Derek S. Drew* |
| A sustainable regulatory & development framework for a developing country  
*Albert G. Uriyo and Boniface C. Muhegi* | The right place at the right time: assisting spatio-temporal planning in construction  
*John M. Kelsey* | Organisational learning of general contractors  
*Ricky W. K. Fu, Derek S. Drew and Hing Po Lo* |
| Firm size distribution in the Chinese construction industry  
*Dansong Wang, Ahmad Hadavi, and Raymond J. Krizek* | Knowledge-building for successful partnering  
*Mohan Kumaraswamy, Nicolas Yeung, Eddie Sze, Sunny Law and Motiar Rahman* | Theme Eight – Developing Countries Issues  
*Private sector participation in the rehabilitation of water resources projects*  
*Malik Ranasinghe and M.S.U. Perera* |

1020-1035 Break
## DAY TWO – 23 OCTOBER 2003

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<tr>
<th>1035-1230 Ocean 3, Level 2</th>
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</table>
| **Theme Four:** Sustainable Construction  
-- Chair: Professor Martin Skitmore | **Theme Two:** New Models of the Construction Industry, Project and Process  
-- Chair: Assoc Prof Christopher Leong | **Theme Six:** International Construction  
-- Chair: Assoc Prof Low Sui Pheng |
| Striving for client best practice: a case study from South Africa  
Osafo Gyimah, Llewellyn van Wyk and Spencer Hodgson | Charting of incentive payment bases for multiobjective construction projects  
Pertti Lahdenperä and Tiina Koppinen | An investigation of entry-remain-exit patterns in international construction markets  
Chen Chuan and John I. Messner |
| Improving construction sustainability through optimized use of transport  
Winston Shakantu, John E. Tookey and Paul Bowen | Pursuance of harmony: the concept of dynamic equilibrium  
Anita M.M. Liu | Chinese connections in international construction: the past 100 years  
Jiang Hongbin, Low Sui Pheng and Christopher H.Y. Leong |
| Moving towards sustainability through value management  
Nazirah Zainul Abidin and Christine L. Pasquire | The resource-based antecedents of customer value in China: an application to the construction industry  
Hing Po Lo, Yonggui Wang and Joseph Hung | Japanese construction organizational systems for building projects in China  
Kenji Kimoto, Shuichi Matsumura, Xihui Wang and Huiyan Wei |
| Trends in the conceptualisation of corporate sustainability  
Israel Adetunji, Andrew Price, Paul Fleming and Pam Kemp | The value of the Portuguese building stock: an estimate and some policy implications  
Jorge Lopes | Critical operational management in international construction  
Chunlu Liu, Youquan Xu, Yoshito Itoh and Jing Tian |
| Procuring sustainable projects: a grounded approach  
Kate Carter and Chris Fortune | Benchmark metrics for rework mitigation in projects  
Peter E.D. Love and Jim Smith | The World Trade Organization System: impact on construction services  
Javier C. Cuervo |
| An approach towards managing knowledge for sustainable construction  
Malik Khalfan and N. Zainul Abidin | Propagation of seamless project procurement supply chain management model  
Peter E.D. Love, David J. Edwards and Jim Smith | |
|                            | A collaborative comaker model for IFD buildings  
Paul Kuypers, Nienke Maas, Maurits Dekker and Ruben Vrijhoef | |
|                            | Nature and function of trust in construction partnering in Hong Kong  
Peter Shek-Pui Wong, S.O. Cheung, Kevin K. W. Cheung and Henry C. H. Suen | |

| 1230-1310 | Lunch |
| 1315-1600 | Site Visits* |

* i. Buses leave The Pan Pacific Singapore at 1315 sharp. Buses leave the sites for the NUS campus at 1535.
ii. Delegates should sign up for one of the sites at the Registration Desk. There are 40 places for each site except URA Gallery (80 places), which are available on a first come, first served basis.
Meetings of CIB Working Commissions and Task Groups at School of Design and Environment, NUS (1615-1915, 23 October 2003)*

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<th>Seminar Room 5, SDE1, Level 4</th>
<th>Seminar Room 7, SDE1, Level 4</th>
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<td>1615-1730</td>
<td>1615-1715 Meeting of CIB W107</td>
<td>1615-1800 Meeting of CIB W60</td>
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<td>1730-1830</td>
<td>1715-1815 Meeting of CIB W65</td>
<td>1715-1815, Meeting of CIB TG23</td>
<td>1715-1815, Meeting of CIB TG31</td>
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<td>1715-1815 Meeting of CIB TG47</td>
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<td>1815-1915 Workshop on CIB Revaluing Construction Strategy</td>
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*Buses leave the NUS campus for The Pan Pacific Singapore and the following designated hotels: Allson, City Bayview, Grand Plaza and Peninsula at 1830 and 1930.
**DAY THREE – 24 OCTOBER 2003**

Plenary Session – Pacific 3, Level 1, The Pan Pacific

0900 Keynote Paper IV – Mr Frits Scheublin, Director of Engineering, HBG, Hollandsche Beton Group, The Netherlands

Is there a global future for the construction industry?

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<tr>
<td><strong>Theme Eight: Developing Countries Issues</strong>&lt;br&gt;--- Chair: Professor Timothy Michael Lewis</td>
<td><strong>Theme Two: New Models of the Construction Industry, Project and Process</strong>&lt;br&gt;--- Chair: Dr Jim Smith</td>
<td><strong>Papers on Various Themes</strong>&lt;br&gt;--- Chair: Professor Marton Marosszeky</td>
</tr>
<tr>
<td>The build, operate and transfer scheme: an underexplored option for financing public infrastructure in developing countries&lt;br&gt;F.Y. Addo-Abedi and C.D. Antwi</td>
<td>Organizational culture and construction quality: a systemic study of contractors in Singapore&lt;br&gt;Low Sui Pheng and Loh Soo Peng</td>
<td>Case study of the University of Hawaii implementation of performance based procurement&lt;br&gt;Dean T. Kashiwagi, John Savicky and Darshit Parmar</td>
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<tr>
<td>Capacity building of local contractors: key to poverty reduction in Tanzania&lt;br&gt;Magesa Bairi</td>
<td>Alternative project delivery systems and competitive strategy in construction firms&lt;br&gt;George Mbuthia and Bob Hindle</td>
<td>The impact of design directives on competition, construction cost and value&lt;br&gt;Dean T. Kashiwagi, John Savicky and Darshit Parmar</td>
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<td>Productivity in the construction industry in South Western Nigeria&lt;br&gt;S.O. Franklin and W.K. Kupolati</td>
<td>Construction planning of work using traditional methods&lt;br&gt;Taizo Muroya, Shuzo Furusaka and Takashi Kaneta</td>
<td>The value of construction using transaction costs&lt;br&gt;Dean T. Kashiwagi and John Savicky</td>
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<td>Market structure, barriers to entry and competition in construction markets&lt;br&gt;Gerard de Valence</td>
<td>The added value of architecture in performance based control of design and build projects&lt;br&gt;George K.I. Ang, Matt Prins and Hennes A. J. de Ridder</td>
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1020-1035 Break
### Theme Eight: Developing Countries Issues
--- *Dr F.Y. Addo-Abedi*

- Infrastructure development is the key for developing countries
  - Deepak Bajaj
- Comparative analysis of Chinese BOT projects in water supply
  - Chen Chuan and John I. Messner
- Construction industry as an institution in developing countries
  - Manoj Datta
- The knowledge-based global economy: implications for construction industry development in sub-Saharan Africa
  - Obas John Ebohon
- Construction industry development through ITT in the global knowledge based economy: a research agenda
  - Emilia L.C. van Egmond de Wilde de Ligny, Mohan M. Kumaraswamy and George Ofori
- Performance information and the developing country
  - Dean T. Kashiwagi, John Savicky and Darshit Parmar
- The Caribbean construction industry: analysis of regional competitiveness
  - Timothy Michael Lewis

### Theme Two: New Models of the Construction Industry, Project and Process
--- *Chair: Assoc Prof Mohan Kumaraswamy*

- The trust factor in construction alliances
  - Alfred Ngowi
- Problems with application of LCC techniques to determine economical life span of precast element dwellings
  - Tiina Nuuter
- Materials waste management in Singapore construction industry
  - George Ofori and Lawrence L. Ekanayake
- Public construction procurement in a global economy
  - Malcolm Pautz, Ron Watermeyer and Alain Jacquet
- Design of construction production: earthmoving system
  - Poon Thiengburanathum and James E. Diekmann
- Taxonomy of construction production system
  - Poon Thiengburanathum and James E. Diekmann
- Project managers’ role in transition countries
  - Mladen Radujkovic and Anita Ceric
- Med-Database: a design framework of construction mediation case database system
  - Kenneth T.W. Yiu, S. O. Cheung, Henry C.H. Suen and Peter Shek-Pui Wong

### Theme Five: Competitive Strategies for a New Age
--- *Chair: Dr George K.I. Ang*

- Dynamic capabilities of small and medium contracting enterprises (SMCEs): a resource-based perspective
  - Mastura Jaafar and Abdul Rashid Abdul Aziz
- Marketing challenge in the construction industry: why relationship marketing?
  - Mastura Jaafar and Subramaniam S. Pillay
- Strategies for the implementation of continuing professional development for SMEs in construction
  - Anthony Mills, Jim Smith and Usha Iyer-Raniga
- Lifecycle management of information technology projects in construction
  - Rodney A. Stewart and Sherif Mohamed
- Objectives and behaviour of Chinese construction firms
  - Dansong Wang, Ahmad Hadavi and Raymond J. Krizek

### Theme Two – New Models of the Construction Industry, Project and Process

- The legal aspects of e-tendering in Singapore
  - Philip Chan
### DAY THREE – 24 OCTOBER 2003

**Plenary Session – Pacific 3, Level 1, The Pan Pacific**

1300-1320 Keynote Paper V – Dr Wim Bakens, Secretary General, CIB

CIB and Revaluing Construction

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<td><strong>Theme Seven: Innovation in Construction</strong>&lt;br&gt; -- <strong>Professor Dean Kashiwagi</strong></td>
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<td>The role of construction in Trinidad and Tobago’s economy&lt;br&gt; <em>Timothy Michael Lewis</em></td>
<td>Industrialized building systems: generators of productivity + individuality + quality + low costs&lt;br&gt; <em>Roger B. Richard</em></td>
<td>Dynamics of organizational motivation in construction innovation&lt;br&gt; <em>Arun Bajracharya</em></td>
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<td>Strategic planning for post-disaster reconstruction in developing countries&lt;br&gt; <em>Gonzalo Lizarralde, Cassidy Johnson and Colin Davidson</em></td>
<td>Developing a framework for life cycle value management for built facilities&lt;br&gt; <em>Hennes de Ridder and Ruben Vrijhoef</em></td>
<td>Innovation in construction: evidence from Turkey&lt;br&gt; <em>Irem Dikmen, M. Talat Birgonul and S. Umut Artuk</em></td>
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<td>A survey of the level of beneficiaries’ satisfaction in the low-cost housing schemes in South Africa&lt;br&gt; <em>J.I.C Mbachu and R.N. Nkado</em></td>
<td>Would IT-supported briefing empower the construction client?&lt;br&gt; <em>Nina Ryd</em></td>
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<td>Challenges facing construction in developing countries in the 21st century: the Asian example&lt;br&gt; <em>Stephen O. Ogunlana</em></td>
<td>The construction industry of Singapore: a guava tree’s view&lt;br&gt; <em>Seah Hsiu-Min Eugene</em></td>
<td>Developing product and process innovations in the building process: two case studies&lt;br&gt; <em>Bengt Larsson and Jan Sundqvist</em></td>
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<td>Effective project management in developing countries: lessons from constructing refugee camps in Pakistan&lt;br&gt; <em>Regan Potangaroa and Mohammed Sami Elyas Khan</em></td>
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<td>Host country requirement index: decision making model for investments in infrastructure projects&lt;br&gt; <em>Malik Ranasinghe and S.D.L. Tilak</em></td>
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<td>Contrasting building and software producers for determining innovation and problem solving patterns&lt;br&gt; <em>Alexander Pichura and Tomonari Yashiro</em></td>
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1500-1515 Break
DAY THREE – 24 OCTOBER 2003

Plenary Session – Pacific 3, Level 1, The Pan Pacific

1515-1535  Dr Will Hughes, Editor, Construction Management and Economics
How to get published: understanding the editorial processes in refereed journals

1535-1650  Presentation of Rapporteurs’ Report (Chair: Dr Kalle Kahkonnen)
-- Pekka Huovinen : Themes 1 and 7
-- George Ofori : Theme 2
-- Florence Yean Yng Ling: Themes 3 and 4
-- Javier C. Cuervo : Themes 5, 6 and 9
-- Francis T. Edum-Fotwe : Theme 8

1655   Closing Ceremony
Presentation of Best Paper Awards
Closing Remarks by Head, Department of Building, NUS

-------------------------------- END OF SYMPOSIUM --------------------------------
POST-SYMPOSIUM WORKSHOP – 25 October 2003
Lecture Room 425, School of Design and Environment, National University of Singapore

A nominal fee of S$30 per person will be charged to cover the cost of holding the workshop.
You can register for this workshop by signing up and paying at the Registration Desk during the symposium, or contacting:

Ms Zainon
Email: bdgzb@nus.edu.sg
Tel: (065) 68743440; Fax: (065) 67755502

Programme

0830 Registration

0900 Welcome Address

0915 Using performance information to optimize construction value
  -- led by Dr Dean Kashiwagi, Arizona State University

1045 Break

1100 Can Total Quality Management benefit the construction industry in developing countries?
  -- Dr Hazem Elzarka, University of Cincinnati

1200 END OF WORKSHOP

PUBLIC TRANSPORT TO NUS
Take the Mass Rapid Transit (MRT) to Clementi MRT station. Walk to the Clementi bus interchange. It is just a one-minute walk from the station. Take Bus Number 96. Alight at the second bus stop after NUS Entrance No. A. Follow directional signs to Block SDE3 Lecture Room 425.