

Joint International Symposium of CIB Working Commissions

W55: Building Economics
W65: Organisation and Management of Construction
W107: Construction in Developing Countries

List of Papers Received

Theme One: The Knowledge Age and its Implications for Construction

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

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

Philip Chan
The legal aspects of e-tendering in Singapore

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

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

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

Ricky W.K. Fu, Hing Po Lo and Derek S. Drew
Mapping learning networks in construction

Ricky W. K. Fu, Derek S. Drew and Hing Po Lo
Organisational learning of general contractors

Gerhard Girmscheid and Rolf Borner
Knowledge management in construction companies oriented on project success factors

M.C. Jefferies, S.E. Chen and R. Zenke
Using learning histories to evaluate organisational learning culture

Kalle Kähkönen and Abdul Samad (Sami) Kazi
Knowledge repository for construction projects: Hype or real solution?

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

Richard Neale, Andrew Dainty, Barbara Bagilhole, Rosanna Duncan and Ani Raiden
Speaking the unspoken: tacit knowledge and the management of human resources

Aguinaldo dos Santos, Sergio Scheer and John Hinks
An approach for promoting knowledge exchange on production practices through the internet

Wilco Tjihuis
Rethinking knowledge in construction: improving process by using a brain-drain approach

Derek H.T. Walker, Andrew Finegan and Tayyab Maqsood
Using a soft systems methodology approach to knowledge elicitation: an Australian case study

Yu-Cheng Lin, Chin-Hsiang Chang and H. Ping Tserng
Construction project-oriented knowledge management portal system

Patrick X.W. Zou, Denny McGeorge and Chie-Ann Lim
Case studies in knowledge management in construction companies

Patrick X.W. Zou, Denny McGeorge and Chie-Ann Lim
Implementing knowledge management in construction companies - why is it necessary?

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

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

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

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

George K.I. Ang, Matt Prins and Hennes A. J. de Ridder
The added value of architecture in performance based control of design and build projects

Peter Barrett
Gaining top management commitment to health and safety

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

Arun C. and Bh. Nagabhushana Rao
Simulation studies and probability models for highway project activities

Risharng Chiang and Fred Moavenzadeh
Incentive contracts in transport infrastructure privatization: an empirical exploration of fundamental relationships

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

K.A.K. Devapriya and F. Pretorius
International comparison of project finance arrangements in private infrastructure projects

F.T. Edum-Fotwe, A. Thorpe, A.B. Wooton, A.N.W. North, R. Cooper, M.J. Gregory and P.J. Deasley
Managing know-how of distributed design teams in aerospace construction and product design

Jane English
Health and safety on site as perceived by the South African subcontracted workforce

Richard Fellows
Ethics, culture and price implications for construction projects

Chris Fortune and Mel Lees
Exploring common practices in construction project management: a UK perspective

Bridgette Gasa, Dean Barnes, Malijeng Ngqaleni and Spencer Hodgson
Improving public sector delivery management in South Africa

Ali Grada, Roy Morledge and Mohieddin Grada
The relevance of economic value added in assessing business performance

Will Hughes
Comparative costs of the commercial process in different construction procurement methods

Pekka Huovinen
Knowledge-based management of a firm's business in capital investment markets

XiaoHua Jin and Florence Yean Yng Ling
Theoretical framework for setting up construction partnering

Arturas Kaklauskas and Edmundas-Kazimieras Zavadskas
Web-based decision support in building economics

Dean T. Kashiwagi, John Savicky and Darshit Parmar
Case study of the University of Hawaii implementation of performance based procurement

Dean T. Kashiwagi, John Savicky and Darshit Parmar
The impact of design directives on competition, construction cost and value

Dean T. Kashiwagi and John Savicky
The value of construction using transaction costs

John Kelly, Kirsty Hunter and Steven Male

The client's value system explored: case studies from the UK public sector

John M. Kelsey

Drawing the line: balancing the spatial requirements of customer and contractor in occupied refurbishment

John M. Kelsey

The right place at the right time: assisting spatio-temporal planning in construction

R. J. Kennedy, A.C. Sidwell, J. Bennett and A.P.C. Chan

A value driven procurement decision tool

Mohan Kumaraswamy, Nicolas Yeung, Eddie Sze, Sunny Law and Motiar Rahman

Knowledge-building for successful partnering

Paul Kuypers, Nienke Maas and Maurits Dekker

A collaborative comaker model for IFD buildings

Pertti Lahdenperä and Tiina Koppinen

Charting of incentive payment bases for multiobjective construction projects

Anita M.M. Liu

Pursuance of harmony: the concept of dynamic equilibrium

Hing Po Lo, Yonggui Wang and Joseph Hung

The resource-based antecedents of customer value in China: an application to the construction industry

Jorge Lopes

The value of the Portuguese building stock: an estimate and some policy implications

Peter E.D. Love and Jim Smith

Benchmark metrics for rework mitigation in projects

Peter E.D. Love, David J. Edwards and Jim Smith

Propagation of seamless project procurement supply chain management model

Low Sui Pheng and Chong Wai Kiong

Construction quality evaluation and design parameters for preventing latent defects in buildings

Low Sui Pheng and Loh Soo Peng

Organizational culture and construction quality: a systemic study of contractors in Singapore

Steven Male, Marcus Gronqvist, John Kelly, Leela Damodaran and Wendy Olphert

A study to develop a good practice framework for client retail refurbishment programmes

George Mbuthia and Bob Hindle

Alternative project delivery systems and competitive strategy in construction firms

Construction planning of work using traditional methods
Taizo Muroya, Shuzo Furusaka and Takashi Kaneta

Alfred Ngowi
The trust factor in construction alliances

Tiina Nuuter
Problems with application of LCC techniques to determine economical life span of precast element dwellings

George Ofori and Lawrence L. Ekanayake
Materials waste management in Singapore construction industry

Malcolm Pautz, Ron Watermeyer and Alain Jacquet
Public construction procurement: a model delivery system

Mladen Radujkovic and Anita Ceric
Project managers' role in transition countries

Roger B. Richard
Industrialized building systems: generators of productivity + individuality + quality + low costs

Hennes de Ridder and Ruben Vrijhoef
Developing a framework for life cycle value management for built facilities

X. Roca, M. Casals and N. Forcada
Quality improvement at the conceptual stage of construction projects

Paul Ryall
Improving construction quality management systems user motivation in the UK

Nina Ryd
Would IT-supported briefing empower the construction client?

Seah Hsiu-Min Eugene
The construction industry of Singapore: a guava tree's view

Nayanthara De Silva, Chathura De Silva, Christopher Leong and Malik Ranasinghe
RBF Model for contingency allocation to construction project costs

Jim Smith, Nellie O'Keeffe and Jim Georgiou
Building cost planning in a design-construct environment

Jim Smith and David Rowe
Inception stage cost planning for heritage buildings using the conservation management plan

Jyri Sutt
About economics, management and construction

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

Poon Thiengburanatham and James E. Diekmann
Design of construction production: earthmoving system

Poon Thiengburanatham and James E. Diekmann
Taxonomy of construction production system

Gerard de Valence
Market structure, barriers to entry and competition in construction markets

Peter Shek-Pui Wong, S.O. Cheung, Kevin K. W. Cheung and Henry C. H. Suen
Nature and function of trust in construction partnering in Hong Kong

Kenneth T.W. Yiu, S. O. Cheung, Henry C.H. Suen and Peter Shek-Pui Wong
Med-Database: a design framework of construction mediation case database system

Theme Three: Developing the Resources

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

Mike Bresnen, Linda Edelman, Stephane Laurent, Sue Newell, Harry Scarbrough and Jacky Swan
Exploring the use of social capital in the construction firm

Lucy Chege
Attracting investors into private infrastructure in emerging markets

Luís Otávio Cocito de Araújo, Ubiraci Espinelli Lemes de Souza and Tomás Mesquita Freire
Rebar workforce organization: case studies on Brazilian construction sites

Maria Cristina Ramos de Carvalho, Flávio Antônio dos Santos, Remo Pedreschi and Humberto Ramos Roman
A framework for facilitating and evaluating architectural design: use of structural masonry

Michael Coffey
Establishing the empowerment requirements for lean construction and the potential of the workforce

Jane English and George Mbutia
An assessment of current subcontracting options in South Africa: the employers' perspectives on transition

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

Irene Lill
Construction programme versus workers' specialization

Construction Subcontracting in Singapore
Lim Kwee Hoe

Göran Lindahl and Per-Erik Josephson
Collaboration, learning and working processes in project groups in partnering projects

Steven Male
Supply chain management in construction

Sandra G. Novais and Antonio E. Jungles
Application of a total quality program on a building site

Roberto Pietroforte and Nicola Costantino
Subcontracting and self-performance in the US building and non-building construction sectors

Alfredo Serpell and Mario Labra
A study on construction waste in Chile

S.M.B. Serra and A.S. Branco Jr.
Analysis of supply chain in a building company in Brazil

Winston Shakantu, John E. Tookey and Paul Bowen
Transportation of construction materials: the hidden cost

Lars Sunding, Anders Ekholm, Curt R. Johanson and Per Odenrick
Reframing the problems in the building sector

Ben Obinero Uwakweh
Construction industry image and its impact on workforce
Ben Obinero Uwakweh
Motivating craft workers: a case study with Syrian workers

Ruben Vrijhoef and Hans Voordijk
Improving supply chain management in construction: what can be learned from the food and grocery sector?

Wong Chun Weng, Raymond
The role of residents in the upgrading process of public housing

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

Theme Four: Sustainable Construction

Israel Adetunji, Andrew Price, Paul Fleming and Pam Kemp
Trends in the conceptualisation of corporate sustainability

Kate Carter and Chris Fortune
Procuring sustainable projects: a grounded approach

O. Gyimah, Llewellyn van Wyk and Spencer Hodgson
Striving for client best practice: a case study from South Africa

Josphat Kanyemba
Towards developing sustainable construction practice: a perspective from Botswana

Malik Khalfan and N. Zainul Abidin
An approach towards managing knowledge for sustainable construction

X. Roca, M. Casals, N. Forcada and A. Garcia
Construction waste management in Spain

Situmbeko Shadreck M.
Solar energy applications in buildings: Botswana scenario

Situmbeko Shadreck M.
Sustainability and climate change in construction

Winston Shakantu, John E. Tookey and Paul Bowen
Improving construction sustainability through optimized use of transport

Jay Yang, Lisa Guan and Peter Brandon
A framework for the management of knowledge on sustainable construction development

Moving towards sustainability through value management
Nazirah Zainul Abidin and Christine L. Pasquire

Theme Five: Competitive Strategies for a New Age

Mastura Jaafar and Abdul Rashid Abdul Aziz
Dynamic capabilities of small and medium contracting enterprises (SMCEs): a resource-based perspective

Mastura Jaafar and Subramaniam S. Pillay
Marketing challenge in the construction industry: why relationship marketing?

Anthony Mills, Jim Smith and Usha Iyer-Raniga
Strategies for the implementation of continuing professional development for SMEs in construction

Martin Sexton, Peter Barrett and Ghassan Aouad
Strategic development through virtual organization: evidence from a network of small professional services firms

Rodney A. Stewart and Sherif Mohamed
Lifecycle management of information technology projects in construction

Dansong Wang, Ahmad Hadavi and Raymond J. Krizek
Objectives and behaviour of Chinese construction firms

Theme Six: International Construction

Chen Chuan and John I. Messner
An investigation of entry-remain-exit patterns in international construction markets

Javier C. Cuervo
The World Trade Organization system: impact on construction services

Jiang Hongbin, Low Sui Pheng and Christopher H.Y. Leong
Chinese connections in international construction: the past 100 years

Kenji Kimoto, Shuichi Matsumura, Xihui Wang and Huiyan Wei
Japanese construction organizational systems for building projects in China

Chunlu Liu, Youquan Xu, Yoshito Itoh and Jing Tian
Critical operational management in international construction

Gaetan Siew
Relevance of the UIA accord to WTO

Theme Seven: Innovation in Construction

Arun Bajracharya
Dynamics of organizational motivation in construction innovation

Irem Dikmen, M. Talat Birgonul and S. Umut Artuk
Innovation in construction: evidence from Turkey

Chris Harty
New technology implementation and use in construction organizations

Current and future use of IT in the architectural sector
Khalid Karim and Marton Marosszeky

Bengt Larsson and Jan Sundqvist
Developing product and process innovations in the building process: two case studies

Karen Manley and Stephen McFallan
Innovation rates and drivers in the road industry - the case of Queensland, Australia

Vachara Peansupap, Derek H.T. Walker, Peter W. Goldsmith and Andrew Wilson
Factors influencing information communication technology diffusion: an Australian study

Alexander Pichura and Tomonari Yashiro
Contrasting building and software producers for determining innovation and problem solving patterns

Kristian Widén and Per-Ola Jönsson
Governmental guidelines: a barrier to innovative procurement?

Theme Eight – Developing Countries Issues

F.Y. Addo-Abedi and C.D. Antwi
The build, operate and transfer scheme: an underexplored option for financing public infrastructure in developing countries

Max Antameng and Steven Male
A national policy framework for financing district road maintenance in Indonesia

Magesa Bairi
Capacity building of local contractors: key to poverty reduction in Tanzania

Deepak Bajaj
Infrastructure development is the key for developing countries

Chen Chuan and John I. Messner
Comparative analysis of Chinese BOT projects in water supply

Manoj Datta
Construction industry as an institution in developing countries

Obas John Ebohon
The knowledge-based global economy: implications for construction industry development in sub-Saharan Africa
Emilia L.C. van Egmond - de Wilde de Ligny, Mohan M. Kumaraswamy and George Ofori
Construction industry development through ITT in the global knowledge based economy: a research agenda

S.O. Franklin and W.K. Kupolati
Productivity in the construction industry in South Western Nigeria

Dean T. Kashiwagi, John Savicky and Darshit Parmar
Performance information and the developing country

Timothy Michael Lewis
The Caribbean construction industry: analysis of regional competitiveness

Timothy Michael Lewis
The role of construction in Trinidad and Tobago's economy

Gonzalo Lizarralde, Cassidy Johnson and Colin Davidson
Strategic planning for post-disaster reconstruction in developing countries

J.I.C Mbachu and R.N. Nkado
A survey of the level of beneficiaries' satisfaction in the low-cost housing schemes in South Africa

Elinorata Mbuya and Ramadhan S. Mlinga
Performance of local contractors in Tanzania: its effect on their competitiveness vis a vis foreign contractors

Ramadhan S. Mlinga and Eva Mbuya
Subcontracting to informal contractors in Tanzania: it's effect on occupational health and safety

Stephen O. Ogunlana
Challenges facing construction in developing countries in the 21st century: the Asian example

Regan Potangaroa and Mohammed Sami Elyas Khan
Effective project management in developing countries: lessons from constructing refugee camps in Pakistan

Malik Ranasinghe and S.D.L. Tilak
Host country requirement index: decision making model for investments in infrastructure projects

Malik Ranasinghe and M.S.U. Perera
Private sector participation in the rehabilitation of water resources projects

Pantaleo D. Rwelamila
Sustainable infrastructure development in Africa: from antithesis to synthesis - the need for industry strategy

Basel Sultan and Stephen Kajewski
The behaviour of construction costs and affordability in developing countries: a Yemen case study

Akhmad Suraji and Khairuddin Sulaiman
Rethinking construction safety: an introduction to total safety management

Imelda Krisiani Tjandra and Willie Tan
Promoting organisational learning in Indonesian construction firms

Albert G. Uriyo and Boniface C. Muhegi
A sustainable regulatory and development framework for a developing country

Dansong Wang, Ahmad Hadavi, and Raymond J. Krizek
Firm size distribution in the Chinese construction industry

J. Yang and S.K. Lim
Opportunities of China's infrastructure development and the potential Australian contributions

Theme Nine: Championing, and Networks for, Industry Development

Brian Atkin and Jan Borgbrandt

Managing the implementation of research results in the context of a national R&D programme

Paul Fox and Martin Skitmore
Developing the construction industry: the case of Hong Kong

Spencer Hodgson, Sheila Hughes and Bridgette Gasca
Developing the mandate of the CIDB in South Africa

Patricia Lim Mui Mui and George Ofori
Collective championing of construction industry development in Singapore

Madhav Prasad Nepal and Moonseo Park
Championing behaviour of project manager: determinants and outcomes