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Engineering, Construction and Architectural Management



Editor:

Professor Ronald McCaffer

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This Journal publishes original research work and technical papers reporting innovative developments in construction and its management.

The scope of the Journal is broad; It encompasses building, civil engineering and engineering construction for the power, oil, gas, chemical and process sectors, and all aspects in the life cycle of a project from feasibility through design, construction, commissioning, operation and decommissioning.

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The Contents of Successive issues will be featured regularly in this Section of Information.



Building Research & Information



(ISSN 0961 - 3218)

Volume 26 Number 5 September / October 1998

This is a special issue on Innovation

Research Papers

Graham Winch,
Zephyrs of creative destruction: understanding the management of innovation in construction.

David Gann, et al.
Do regulations encourage innovation? - the case of energy efficiency in housing.

Elisabeth Campagnac,
National system of innovation in France: Plan Construction et Architecture.

Information Papers

Vincent Cousin, Innovation awards: a case study.

Karel Dekker, Open Building Systems: a case study.



Building Research & Information



(ISSN 0961 - 3218)

Volume 26 Number 6 November / December 1998

Research Papers

Heng Li, et al., Genetic algorithm compared to nonlinear optimisation for labour and equipment assignment.

G.H. Galbraith, et al., Nonisothermal moisture diffusion in porous building materials.

Jeremy Layzell and Stephen Ledbetter, FMEA applied to cladding systems - reducing the risk of failure.

Information Papers

Montse Sánchez-Romero and Pere Alavedra-Ribot, A model of radiant floor thermal behaviour.

Yoshio Kato, Regional architecture as a model towards sustainability.

R.J. Bonwick and V.M. Watts, The role of emotional factors in building disputation.

Forum Papers

William Allen, The conduct of building research.

Jacqueline Senker, Turmoil in public sector building research - part of a wider problem.

Elizabeth Shove, Relevance, independence and capture.

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(ISSN 0926 - 5805)

Volume 8 Number 1 November 1998

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The impact of information technology in design and construction: the owner's perspective.

S. Johnson,

What's in a representation, why do we care, and what does it mean? Examining evidence from psychology.

G. Mahalingam,

Representing architectural design using virtual computers.

Y.E. Kaly,

P3: Computational environment to support design collaboration.

L. Khemlani, et al.

Intelligent representation for computer-aided building design.

T. Seebohm and W. Wallace,

Rule-based representation of design in architectural practice.

F. Ozel,

Object oriented representation of design decisions.

V. Miranda and T. Park,

Representation of architectural concepts in the study of precedents: a concept-learning system.

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Applied Acoustics



(ISSN 0003 - 682 X)

Volume 55 Number 3 November 1998

S. Yamaguchi, et al.,
A Fundamental Consideration on Estimating Leq of Specific Noise Under the Existence of Background Noise.

K. Sakagami, et al.,
Sound Radiation from a Baffled Elastic Plate Strip of Infinite Length with Various Concentrated Excitation Forces.

H.P. Lee,
Dynamic Response of a Timoshenko Beam on a Winkler Foundation Subjected to a Moving Mass.

D. Duhamel, et al.,
Measurement of Active Control Efficiency Around Noise Barriers.

C.H. Chew,
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(ISSN 0144 - 6193)

Volume 16 Number 6 November 1998

S. Mak, et al.,

The effect on contingency allowances of using risk analysis in capital cost estimating: a Hong Kong case study.

Low Sui Pheng and S.K.L. Tan,

How 'just-in-time' wastages can be quantified: case study of a private condominium project.

J. Lopes,

The construction industry and macroeconomy in Sub-Saharan Africa post 1970.

P. Jennings and G.D. Holt,

Prequalification and multi-criteria selection: a measure of contractors' opinions.

M. Loosemore,

The influence of communication structure upon crisis management efficiency.

M.M. Idris,

Assessment of the factors influencing the maintenance programme of a large university building in Riyadh.

P.S. Poh and J. Chen,

The Singapore Buildable design appraisal system: a preliminary review of the relationship between buildability, site productivity and cost.

Qiping Shen, et al.,

Priority setting in maintenance management: a modified multi-attribute approach using analytic hierarchy process.

A. Griffith and J.D. Headley,

Management of small building works.

J.J. Chen,

The characteristics and current status of China's construction industry.

H. Li and P.E.D. Love,

Developing a theory of construction problem solving.

J. Raftery, et al.,

Globalization and construction industry development: implications of recent developments in the construction sector in Asia.

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W096 - Architectural Management



The International Journal of Architectural Management Practice & Research

(ISSN 1026 - 3454)

Issue No. 13

Towards An Integrated Industry

The Advancements in I.T. for Construction

This CIB Encouraged Journal is published by the Society for the Advancement of Architectural Management (S.A.A.M.)

The 21 papers in this Issue are a selected amalgam of those which were presented at the W96 Commission Meetings held in Trondheim and the Hague during 1997.

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Volume 28 Number 3 - November 1998

C. Vasile and S. Lorente, et al.,

Study of convective phenomena inside cavities coupled with heat and mass transfers through porous media application to vertical hollow bricks a first approach.

S. Lorente, et al.,

The effects of temperature conditions on the thermal resistance of walls made with different shapes of vertical hollow bricks.

G.N. Tiwari, et al.,

Estimation of an efficiency factor for a greenhouse: a numerical and experimental study.

G. Mihalakakou,

The cooling potential of a metallic nocturnal radiator.

S. Medved and P. Novak,

Heat transfer through a double pane window with an insulation screen open at the top.

T. Hong and Y. Jiang,

Outdoor synthetic temperature for the calculation of space heating load.

K.M. Mok and S.C. Tam,

Short-term prediction of SO₂ concentration in Macau with artificial neural networks.

P.W. Francisco,

Modelling the thermal distribution efficiency of ducts: comparisons to measured results.

H. Asan,

Effects of Wall's insulation thickness and position on time lag and decrement factor.

S.C. Sekhar and K.L. Cher Toon,

On the study of energy performance and life cycle cost of smart window.

B. Jacimovic, et al.,

Supply water temperature regulation problems in district heating network with both direct and indirect connection.

Volume 29 Number 1 - December 1998

E. Grinzato, et al.,

Quantitative infrared thermography in buildings.

S. Mazouz and M.S. Zerouala,

Shading as a modulator for the design of urban layouts based on vernacular experiences.

J. Modic,

Criterial number by naturally ventilated tunnels.

J.F. San José Alonso, et al.,

Simulation model of an indirect evaporative cooler.

B.V. Venkatarama Reddy and S.S. Lokras,
Steam-cured stabilised soil blocks for masonry construction.

W.J. Fisk and A.T. De Almeida,
Sensor-based demand-controlled ventilation: a review.

E.S. Lee, et al.,
Thermal and daylighting performance of an automated venetian blind and lighting system in a full-scale private office.

T.A. Reddy, et al.,
A study of energy use and satisfactory zone ventilation of different outdoor air ventilation strategies for terminal reheat variable and volume systems.

R.T.A. Prado and O.M. Gonçalves,
Water heating through electric shower and energy demand.

V.T. Ca, et al.,
Reductions in air conditioning energy caused by a nearby park.

N.-T. Chao, et al.,
A study of a control strategy utilising outdoor air to reduce the wintertime carbon dioxide levels in a typical Taiwanese bedroom.

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