Encouraged Journal

Architectural Engineering and Design Management
An International Journal
Bridging the Gap between Architecture and Engineering Practice

by
Dino Bouchlaghem

Aims and Scope

Influential and far-reaching, Architectural Engineering and Design Management provides a unique forum for the dissemination of academic and practical developments related to architectural engineering and building design management. This international, peer-reviewed journal details the latest cutting-edge research and innovation within the field, spearheading improved efficiency in the construction industry. Informative and accessible, this publication analyses and discusses the integration of the main stages within the process of design and construction and multidisciplinary collaborative working between the different professionals involved.

Ideal for practitioners and academics alike, Architectural Engineering and Design Management examines specific topics on architectural technology, engineering design, building performance and building design management to highlight the interfaces between them and bridge the gap between architectural abstraction and engineering practice.

Coverage Includes:
- Integration of architectural and engineering design
- Integration of building design and construction
- Building design management; planning and co-ordination, information and knowledge management, value engineering and value management
• Collaborative working and collaborative visualisation in building design
• Architectural technology
• Sustainable architecture
• Building thermal, aural, visual and structural performance
• Education and architectural engineering

Editorial Board
Editor-in-Chief – Dino Bouchlaghem, Professor of Architectural Engineering, Department of Civil and Building Engineering, Loughborough University, UK
US Associate Editor – Godfried Augenbroe, Associate Professor, College of Architecture, Georgia Institute of Technology, Georgia, USA

Call for Papers
Published papers report on both fundamental research dealing with theoretical work and applied research dealing with practical issues and industrial innovations. In this way, readers explore the interaction between technical considerations and management issues.

The editor welcomes manuscripts on a broad range of topics as these relate to the scope of the journal and will be pleased to comment and advise on proposals. Please indicate your interest in submitting a paper for or subscribing to the journal by contacting us (details below).

Who Should Subscribe
This journal is a valuable resource for professionals and academics (teachers, researchers and students) involved in building design and construction, including the following disciplines: Architecture, Building Engineering, Building Service Engineering, Building Physics, Design Management and Design Coordination, Facilities Management

Architectural Engineering and Design Management - ISSN 1745-2007, 4 issues quarterly

Institutional Subscription £195.00 / US$325.00
Personal Subscription £95.00 / US$160.00
CIB Members are offered a 20% reduction on subscriptions.
Please send by Airmail (optional) – add £12.00 / US $20.00

Special 20% discount on personal subscriptions for CIB members

To subscribe call +44 (0) 20 7121 3127, or email jon.raeside@earthscan.co.uk Please quote ‘CIB member’ when ordering to ensure you receive your 20% discount. For more information and to view article abstracts, please visit www.earthscan.co.uk and click on the ‘Journals’ tab at the top of the page.

Journal Content for 2005:

Volume 1 Issue 1
• An Approach to Developing a Performance Brief at the Project Inception Stage by Jim Smith
• Virtual Team Working and Associated Technologies within the UK Construction Industry by D R Moore and M Abadi
• nD Modelling for Collaborative Working in Construction by Ghassan Aouad, Angela Lee and Song Wu
• Designing the Indoor Environment for People by Derek Clements-Croome
• A Hierarchical Design Optimization Approach for Meeting Building Performance Targets by R. Choudhary, P. Y. Papalambros, A. Malkawi

Volume 1 Issue 2
• Performance Modelling for the Design of a Hybrid Concrete Structural Frame by Xiaonan Zhang, Martin G Sexton, Jack S Goulding, Ghassan Aouad and Mike Kagiooglou
• Virtual Environments for Improving Construction Site Safety by Khalid K Naji
• Moving Beyond Accessibility: The Principles of Universal (inclusive) Design as a Dimension in nD Modelling of the Built Environment by M G Ormerod and R A Newton
• Evolving Trends in nD Modelling: The 'Construction Planning Workbench' by Guillermo Aranda-Mena, Willy Sher, Rod Gameson and Peter Ward
• Different Perspectives Towards Using Web-Based Project Management Systems in Construction: Large Enterprises Versus Small- and Medium-Sized Enterprises by Patrick X W Zou and Bazlin A Roslan

Volume 1 Issue 3
• The BEACON Model: Concurrent Engineering Readiness Assessment Tool for the Construction Industry by M A Khalfan, C J Anumba and P M Carrillo
• The benefits of implementing ISO 14001 within construction contracting organisations by G A Johnson and L Swaffield
• Constraints to the use of off-site production on construction projects N Blismas, M Pendlebury, A Gibb and C Pasquiere
• How Design Consultants Perceived Potential Causes of Variation Orders for Institutional Buildings in Singapore by F M Arain and L S Pheng
• Trust in the Design Team by H Smyth
Volume 1 Issue 4

- Perceptions of precast concrete cladding in the UK Market by J Glass and C Pepper
- Contract Documentation and the incidence of rework in projects by PED Love, DJ Edwards and J Smith
- Consideration of Wind Barriers in an Inner Courtyard, by N Yilmaz and A B Donaldson

Special Issues Due in 2006

Teaching and Learning Building Design and Construction
Guest editors: David Dowdle and Vian Ahmed

- Demystifying Construction: Technology in Architectural Education, A Wood
- Teaching and Learning in Collaborative Group Design Projects, R Tucker
- Engaging learners - the development of effective e-Learning applications for students of the Built Environment, D Dowdle
- Supervised Work Experience: The Learning Climate Of Construction Companies And The Factors That Influence Student Experience, D Lowe
- Investigating The Synergy Between Teaching And Research In A Teaching Led University: The Case Of An Architectural Technology Undergraduate Programme, S Emmitt
- The Development of a Knowledge Centric Approach to Construction Education, D Boyd
- The Effectiveness of e-Learning, E Chinyio
- Retro-Fitting e-learning to an Existing Distance Learning Course: A Case Study, S Allan
- An Ontology Of Construction Education For E-Learning Via The Semantic Web, A Shaik
- Learning to be Real Engineers: The Dam Game Simulation, S Gribble
- Using Video In The Construction Technology Class-Room: Encouraging Active Learning, M Hoxley
- Developing Web-Based Tools For Teaching, Training, Learning And Development : The Role Of Academic Institutions, M M. Kumaraswamy