

Co-Chairs:

Prof. Chimay Anumba, Loughborough University, UK
Prof. Sevil Sariyildiz, TU Delft, The Netherlands

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Prof. Chimay Anumba, Loughborough University, UK
Ms. Bige Tuncer, TU Delft, The Netherlands
Mr. S. Saban Ozsariyildiz, TU Delft, The Netherlands
Assoc. Prof. Rudi Stouffs, TU Delft, The Netherlands
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CONTACT DETAILS

All correspondence regarding the conference and industry day should be addressed to:

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CALL FOR PAPERS

3rd International Conference on

'INNOVATION IN ARCHITECTURE, ENGINEERING AND CONSTRUCTION (AEC)'

15-17th June 2005

World Trade Centre
Rotterdam, The Netherlands

Organised by:



Centre for Innovative Construction
Engineering Department of
Civil & Building Engineering Loughborough
University UK



BACKGROUND AND AIM

The need for innovative approaches to design and construction is now recognised by most sectors of the construction industry all over the world. As a main push for innovation in the design and construction the Internet is among the most significant ones. It is a change no less significant than the Industrial Revolution of the 18th and 19th centuries. Over the last two decades, information technologies and the Internet have been transforming the way companies do business, the way students learn, the way scientists carry out research and the way in which governments provide services to their citizens.

As a result, at the Lisbon Summit in March 2000, European heads of state and government recognised that Europe too must become a much more digital economy. Indeed, they set a new goal for the European Union - to become the most competitive knowledge-based society in the world by 2010. Further more at the global scale organizations such as CIB and CICE are also addressing aspects of innovation in the AEC sector.

In addition to the above, there is a considerable body of ongoing research work that is geared towards innovation in the design and construction processes in the building sector. The scope of these projects encompasses the use of innovative materials, innovative design concepts, innovative construction methods, novel procurement methods, innovative deployment of IT tools, etc. The aim of this conference, therefore, is to act as a focal point for the dissemination of the results from ongoing studies, applications and demonstration projects, both from scientific institutions, universities and the building industry, throughout the world. It is intended that the conference will bring together practitioners and researchers interested in innovative approaches to design and construction in the building sector.

SCOPE

The scope of the conference covers all aspects of innovation in the AEC sector. Papers are invited from both industry practitioners and researchers on the following and related topics:

- Project inception, requirements and objectives;
- Innovation in design (architectural, structural, etc.);
- Digital design and manufacturing CAD/CAM, CAE;
- Design environments and multimedia;
- Innovative construction methods and processes;
- Innovative procurement and regulation;
- Innovative construction technologies;
- Innovative approaches to collaborative working;
- Innovative approaches to businesses, trade and commerce;
- Innovative approaches to project delivery;
- Next generation documents;
- Novel construction planning and scheduling methods;
- Modern approaches to information and knowledge management;
- Knowledge modelling, Soft computing, Semantic web;
- Innovative approaches to construction and project management;
- Innovative approaches to facilities management;
- Innovative use of IT in design and construction;
- Organisational/human aspects of innovation;
- Theoretical and conceptual aspects of innovation;
- Lessons from other industry sectors/countries;
- Innovations in health, safety, sustainability management.

PAPER SUBMISSION SCHEDULE

Abstract Submission:	1st Sept 2004
Abstract Acceptance:	15th Sept 2004
Full Paper Submission:	30th Nov 2005
Paper Review Decisions:	17th Jan 2005
Final Camera-Ready Papers:	14th Feb 2005

INDUSTRY DAY – 16th June 2005

The focus of this day is the interaction the research community and the industry. There will be a panel of Professionals from the industry who will direct and conduct a discussion session.

TIME AND LOCATION

The 3rd International Conference on Innovation in Architecture, Engineering and Construction (AEC) will be held on 15th-17th June 2005 at the World Trade Centre in Rotterdam, The Netherlands. Details of the conference venue and how to get there can be found at: [HTTP://www.BK.TUdelft.NL/aec2005/](http://www.BK.TUdelft.NL/aec2005/)

KEYNOTE SPEAKERS

Confirmed keynote speakers include the following:

- Assoc Prof. Branco Kolarevic – Univ. of Pennsylvania, USA
- Dr. John Kraus – D3BN Civil Engineers, The Netherlands
- Dr. Jaime Sanchez Alvares – MERO Systems, Germany
- Prof. Jan Stuij – CUR (Centre for Civil Engineering Research and Codes), The Netherlands

REGISTRATION

For further details regarding the registration fees, accommodation and directions to the venue please visit our website.

The registration form can also be downloaded from the website: [HTTP://www.BK.TUdelft.NL/aec2005/](http://www.BK.TUdelft.NL/aec2005/)

