The International Conference on Computing in Civil and Building Engineering - icccbe[2010]
June 30- July 2, 2010

Call for papers

The **International Conference on Computing in Civil and Building Engineering** - **icccbe**[2010] invites original contributions related to advances in and uses of computing and communication technologies in Civil and Building Engineering.

The **icccbe** conference series is an established, peer refereed and recognised forum now running for nearly three decades.

Conference Aim

The conference focuses on the advances, innovations and future challenges of the application of computing in engineering in general and civil and building engineering in particular.

Venue and date

The conference will be held at the East Midlands Conference Centre in the heart of England, from 30 June to 2 July 2010. The Centre is a purpose built conference facility situated within the University Park Campus of the University of Nottingham, a short distance from the cosmopolitan city of Nottingham, UK.

Themes of the Conference

The conference invites original contributions related to advances in and uses of computing and communication technologies in Civil and Building Engineering. Contributions covering either fundamentals or applications are welcome.

Themes of the conference are:

- Analysis and design
- Architecture and planning
- Construction
- e-commerce in engineering
- Education and training
- Disaster preparedness, response and recovery
- Maintenance
- Management
- Novel technologies
- Sustainability
- Transportation
- Professional issues, health and safety

Suggested topics include, but are not limited to:

- Advanced computing
- Architecture and planning
- Asset management
- Augmented and virtual reality
- Automation
- Collaborative design and construction
- Computational mechanics
- Computer-aided construction and management
- Computer-aided design
- Computer-aided education and training
- Computing for conceptual design
- Decision support systems
- Disaster preparedness, response and recovery
- Distributed computing in engineering
- e-commerce
- Energy efficiency
- Geographic information systems
- Geotechnical informatics
- Human computer interaction and graphics
- Hydraulic informatics
- Image processing
- Infrastructure management
- Intelligent construction site
- Multi-agent systems
- Process modelling
- Product modelling, BIM, IFC
- Professional issues and ethics
- Simulation
- Simulation in CFD and wind engineering
- Smart buildings
- Structural control
- Sustainability
- Transport systems
- Virtual prototyping

Offered special sessions

- Prediction and control of noise and vibration
- Long span bridges
- Engineering education
- Wind and Structures
- Computational structural mechanics
- Integrated design solutions
- Ethics and social aspects
- Tracking Technologies

Journal special issues[1]

Authors of papers, identified during the reviewing process of including original work that could form the basis of a journal publication, will be invited to submit full-length, journal-quality papers, for inclusion in special issues of *Computing in Civil Engineering* (ASCE) and *Advanced Engineering Informatics* (Elsevier).

Conference Organisation

The conference is organised by the International Society for Computing in Civil and Building Engineering (ISCCBE) and the Faculty of Engineering at The University of Nottingham, UK.

The icccbe bi-annual conference series is one of the leading forums in the area of information technology in civil and building engineering. It has been previously organised in New York 1981, Hangzhou 1985, Vancouver 1988, Tokyo 1991, Anaheim 1993, Berlin 1995, Seoul 1997, Stanford 2000, Taipei 2002, Weimar 2004, Montreal 2006 and Beijing 2008.

icccbe[2010] will take place in Nottingham, UK, between 30 June and 2 July 2010.

E: icccbe@nottingham.ac.uk
W: engineering.nottingham.ac.uk/icccbe

Abstract submission

Authors are invited to submit a plain text extended abstract through the Conference web site at: *engineering.nottingham.ac.uk/icccbe/cmt.* The abstract should present a concise statement of the scope, principal findings, and conclusions of the paper and must not exceed 3000 characters. Authors should fit their contributions under one of the conference themes and should also classify them under one or more of the list of topics.

Abstracts are requested by 31 July 2009. For a paper to be published in the proceedings at least one of the authors must register by March 31, 2010.

Key deadlines

Abstract submissions (2nd call):	15	Sept	2009
Notification of review feedback:	15	Oct	2009
Full paper and abstract submission:	15	Dec	2009
Paper review feedback:	11	Feb	2010
Early registration:	01	Mar	2010
Final paper submissions:	01	Mar	2010
Author registrations:	31	Mar	2010
Hotel booking:	15	May	2010
Presentation submission	01	June	2010

Conference dates

Reception:	29 June 2010
Sessions:	30 June - 2 July 2010
Industry track:	01 July 2010

Awards

The conference will make awards for: best student paper, best applied paper, best review paper and best fundamental paper.

Industry track

The conference will include an industry-track that will host the views of prominent speakers from the construction and IT-service industry. The speakers will cover successful case studies in using novel IT solutions, the IT needs of the construction industry, and their vision of the future. An industry exhibition will also be organised for the duration of the conference.

Supporters

ASCE	The American Society of Civil Engineers, USA
ice	The Institution of Civil Engineers, UK
ISCCBE	The Int. Society for Computing in Civil and Building Engineering
IStructE	The Institution of Structural Engineers, UK
CIT	Construct IT, UK
eg-ice	European Group for Intelligent Computing in Engineering
CSEC	Centre for Structural Engineering and Construction, UoN, UK
UoN	University of Nottingham, The Faculty of Engineering, UK

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[1] Journal papers must have at least 50% of new content.