



## CIB NEWS ARTICLE

International Council for Research and Innovation  
in Building and Construction

Providing a global network for international exchange and cooperation in research and innovation in building and construction, in support of an improved building process and of improved performance of the built environment.

August 2008

### CIB Encouraged Journals

## Computer-Aided Civil and Infrastructure Engineering

### Special Issue - Call for Papers

### Advances in Construction Automation



#### Introduction

Guest edited by D.C. Balaguer, T. Bock, and K. Varghese the international journal *Computer-Aided Civil and Infrastructure Engineering (CACAIIE)*, now in 23<sup>rd</sup> year of publication and published by Wiley-Blackwell 8 times per year, is planning to publish a special issue on *Advances in Construction Automation*.

Topics of interest include but are not limited to automated design, planning, simulation and scheduling in construction; construction robotics; computer-integrated construction; integration of design and construction; man-machine integration; computer vision; radio frequency identification tags; global positioning systems (GPS); and voice and handwriting recognition; visualization techniques; and virtual reality.

#### Call for Papers

CACAIIE is a rigorously peer-reviewed research journal, published 8 times per year, devoted to publication of original research papers describing novel computational algorithms, models, and methodologies, and emerging technologies. Papers describing software systems are not suitable.

Please inform the Guest Editors (GEs) and the Editor-in-Chief (EIC) via email about your intention to submit a manuscript for possible publication in the special issue as soon as possible and email ALL of the following to the GEs and EIC by September 15, 2008

- A statement that this manuscript is your "original unpublished work and the manuscript or any variation of it has not been submitted to another publication previously" (Please read the Editorial published in issue 23:1, January 2008 before submitting the paper).
- The pdf file of your paper.
- The attached Conscientious Reviewer form for each author (except students) (The journal reviewers are often chosen among contributors to the journal. This is a way to obtain thoughtful and detailed reviews in a timely fashion. Please read the Editorial published in issue 21:1, January 2006 to learn about the journal's rigorous review process)

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### Aims and Scope of CACAIE

*Computer-Aided Civil and Infrastructure Engineering* is a scholarly peer-reviewed archival journal intended to act as a bridge between advances being made in computer technology and civil and infrastructure engineering. It provides a unique form for publication of original articles on novel computational techniques and innovative applications of computers. The journal specially focuses on recent advances in computer and information technologies and fosters the development and application of new and emerging computing paradigms and technologies.

The scope of the journal includes bridge, construction, environmental, highway, geotechnical, structural, transportation, and water resources engineering, and management of infrastructure systems such as highways, bridges, pavements, airports, and utilities. Areas covered by the journal include artificial intelligence, cognitive modeling, concurrent engineering, database management, distributed computing, evolutionary computing, fuzzy logic, genetic algorithms, geometric modeling, internet-based technologies, knowledge discovery and engineering, machine learning, mobile computing, multimedia technologies, networking, neural network computing, optimization and search, parallel processing, robotics, smart structures, software engineering, virtual reality, and visualization techniques.

**ISI Journal Citation Reports® Ranking:** 2007:  
4/34 (Construction & Building Technology); 21/88  
(Engineering, Civil); 47/92 (Computer Science,  
Interdisciplinary Applications) **Impact Factor:** 0.861

### Website

The journals website that includes full details on the journal, can be found at  
[www.blackwellpublishing.com/journal.asp?ref=1093-9687&site=1](http://www.blackwellpublishing.com/journal.asp?ref=1093-9687&site=1)