

# Final Call for Papers: IAENG International Workshop on Computer Science (in IMECS 2006)

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- *From:* [imecs\\_2006@xxxxxxxxxx](mailto:imecs_2006@xxxxxxxxxx)
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Final CFP From:

IAENG: International Association of Engineers (<http://www.iaeng.org>)  
Engineering Letters (<http://www.engineeringletters.com>)

The 2006 IAENG International Workshop on Computer Science

(Part of The International MultiConference of Engineers and Computer Scientists IMECS 2006)

IMECS 2006: 20-22 June, 2006, Hong Kong  
<http://www.iaeng.org/IMECS2006/IWCS2006.html>

The IWCS'06 workshop is held as part of the International MultiConference of Engineers and Computer Scientists 2006. The IMECS 2006 is organized by the International Association of Engineers (IAENG), and serves as good platforms for the engineering community members to meet with each other and to exchange ideas. Extended version of the papers under this workshop can be included in the special issue of our journal Engineering Letters. And, further extended version can also be included in a book called "Current Trends in Computer Science" to be published by IAENG.

The IMECS 2006 multiconference has the focus on the frontier topics in the theoretical and applied engineering and computer science subjects. It consists of 14 workshops (see the details at IMECS website: [www.iaeng.org/IMECS2006](http://www.iaeng.org/IMECS2006)). The multiconference serves as good platforms for the engineering community members of different disciplines to meet with each other and to exchange ideas. The current conference committee of the IMECS 2006 includes over 140 workshop co-chairs and committee members of mainly research center heads, department heads, professors, research scientists from over 20 countries, while a few of the committee members are also experienced software development directors and engineers.

All submitted papers will be under peer review and accepted papers will be published in the conference proceeding (ISBN: 988-98671-3-3). The

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abstracts will be indexed and available at major academic databases. The Technology Research Databases (TRD) of CSA (Cambridge Scientific Abstracts), DBLP and Computer Science Bibliographies have promised to index the print proceeding in advance of its publication. And after the publication of the proceeding, print copies will also be sent to databases like IEE INSPEC, Engineering Index (EI) and ISI Thomson Scientific for indexing. The accepted papers will also be considered for publication in the special issues of the journal Engineering Letters. Some participants may also be invited to submit extended version of their conference papers for considering as book chapters (soon after the conference).

The topics of the workshop include, but not limited to, the following:

### Theoretical computer science:

- Algorithmic information theory
- Computability theory
- Cryptography
- Formal semantics
- Theory of computation
- Analysis of algorithms and problem complexity
- Logics and meanings of programs
- Mathematical logic and Formal languages
- Type theory

### Hardware:

- Control structures and Microprogramming
- Arithmetic and Logic structures
- Memory structures
- Input/output and Data communications
- Logic Design
- Integrated circuits
- VLSI design
- Performance and reliability

### Computer systems organization:

- Computer architecture
- Computer networks
- Distributed computing
- Performance of systems
- Computer system implementation

### Computing methodologies:

- Symbolic and Algebraic manipulation
- Artificial intelligence
- Computer graphics
- Image processing and computer vision
- Pattern recognition
- Speech recognition

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Simulation and Modeling  
Document and text processing  
Digital signal processing  
Computer applications:  
Administrative data processing  
Enterprise resource planning  
Customer relationship management  
Human Resource Management Systems  
Mathematical software  
Numerical analysis  
Automated theorem proving  
Computer algebra systems  
Physical science and Engineering  
Computational chemistry  
Computational physics  
Life and medical sciences  
Bioinformatics  
Computational biology  
Medical informatics  
Social and behavioral sciences  
Computer-aided engineering  
Robotics  
Human-computer interaction  
Speech synthesis  
Usability engineering  
Telecommunications  
Queueing theory

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Submission:

Prospective authors are invited to submit their draft paper in abstract format (one page) or in full paper format to imecs@xxxxxxxxx by 12 March, 2006. The submitted file can be in MS Word format, PS format, or PDF formats.

The first page of the draft paper should include:

- Title of the paper;
- Name, affiliation and e-mail address for each author;
- A maximum of 5 keywords of the paper;

Also, the name of the workshop session that the paper is being submitted to should be stated in the email.

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Important Dates:

Proposals for special conference sessions and tutorials deadline: 30

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December, 2005

Draft Manuscript / Abstract Submission Deadline (extended): 6 April, 2006

Camera-Ready papers & Pre-registration Due (extended): 13 April, 2006

IMECS 2006: 20-22 June, 2006

More details about the IWIWCS 2006 can be found at:

<http://www.iaeng.org/IMECS2006/IWCS2006.html>

IWCS Workshop Co-chairs and Committee Members:

Chin-Chen Chang

IEEE Fellow, IEE Fellow

Chair Professor in Department of Information Engineering and Computer Science, Feng Chia University, Taiwan

Ching-Shun Chen

Assistant Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan

Mei-Ching Chen

Dept. of Computer Science and Engineering, Tatung University, Taiwan

Orville Leverne Clubb (co-chair)

Associate Professor, Department of Computer Science City University of Hong Kong, Hong Kong

Chun-I Fan

Assistant Professor, Department of Computer Science and Engineering National Sun Yat-sen University, Taiwan

G.Ganesan (co-chair)

Associate Professor of Mathematics Jayaprakash Narayan College of Engineering, India

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Associate professor in the Department of Computer Engineering & Science Yuan-Ze University, Taiwan

Ko-Chi Kuo

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Jiann-Shu Lee (co-chair)

Associate Professor, Academic Director of the Biomedical Engineering Society Information and Learning Technology National University of Tainan, Taiwan

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Wei Yen  
Assistant Professor, Department of Computer Science and Engineering  
Director of Industrial Cooperation Section  
Tatung University, Taiwan

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It will be highly appreciated if you can circulate these calls for  
papers to your colleagues.

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