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## CFP : IEEE CIMCA 2006 - Australia - 17JUL06

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### CALL FOR PAPERS

International Conference on Computational Intelligence for Modelling,  
Control and Automation

28 November to 1 December 2006

Sydney , Australia

<http://www.ise.canberra.edu.au/conferences/cimca06/>

### Important Dates:

17 July 2006 Submission of papers

7 August 2006 Notification of acceptance

28 August 2006 Deadline for camera-ready copies of accepted papers

28-30 November 2006 Conference sessions

In co-operation with:

Conference Proceedings will be published as books by IEEE in USA

Sponsored by:

European Society for Fuzzy Logic and Technology - EUFLAT

International Association for Fuzzy Set in Management and Economy - SIGEF

Japan Society for Fuzzy Theory and Intelligent Informatics - SOFT

Taiwan Fuzzy Systems Association - TFSA

World Wide Web Business Intelligence - W3BI

Hungarian Fuzzy Association - HFA

University of Canberra

Jointly with

International Conference on Intelligent Agents, Web Technologies  
and Internet Commerce

<http://www.ise.canberra.edu.au/conferences/iawtic06/>

Honorary Chair:

Lotfi A. Zadeh, University of California, USA

Stephen Grossberg, Boston University, USA

The international conference on computational intelligence for modelling, control and automation will be held in Sydney, Australia on 28 November to 1 December 2006. The conference provides a medium for the exchange of ideas between theoreticians and practitioners to address the important issues in computational intelligence, modelling, control and automation. The conference will consist of both plenary sessions and contributory sessions, focusing on theory, implementation and

applications of computational intelligence techniques to modelling, control and automation. For contributory sessions, papers (4 pages or more) are being solicited. Several well-known keynote speakers will address the conference.

Conference Proceedings will be published as books by IEEE (The Institute of Electrical and Electronic Engineering) in USA and will be index world wide. All papers will be peer reviewed by at least two reviewers. Topics of the conference include, but are not limited to, the following areas:

Modern and Advanced Control Strategies: Neural Networks Control, Fuzzy Logic Control, Genetic Algorithms and Evolutionary Control, Model-Predictive Control, Adaptive and Optimal Control, Intelligent Control Systems, Robotics and Automation, Fault Diagnosis, Intelligent agents, Industrial Automations

Hybrid Systems: Fuzzy Evolutionary Systems, Fuzzy Expert Systems, Fuzzy Neural Systems, Neural Genetic Systems, Neural-Fuzzy-Genetic Systems, Hybrid Systems for Optimisation

Data Analysis, Prediction and Model Identification: Signal Processing, Prediction and Time Series Analysis, System Identification, Data Fusion and Mining, Knowledge Discovery, Intelligent Information Systems, Image Processing, and Image Understanding, Parallel Computing applications in Identification & Control, Pattern Recognition, Clustering and Classification

Decision Making and Information Retrieval: Case-Based Reasoning, Decision Analysis, Intelligent Databases & Information Retrieval, Dynamic Systems Modelling, Decision Support Systems, Multi-criteria Decision Making, Qualitative and Approximate-Reasoning

#### Paper Submission

Papers will be selected based on their originality, significance, correctness, and clarity of presentation. Papers (4 pages or more) should be submitted to the following e-mail or the following address:

CIMCA'2006 Secretariat

School of Information Sciences and Engineering

University of Canberra, Canberra, 2616, ACT, Australia

<mailto:cimca@canberra.edu.au>

Electronic submission of papers (either by E-mail or through conference website) is preferred. Draft papers should present original work, which has not been published or being reviewed for other conferences.

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#### Special Sessions and Tutorials

Special sessions and tutorials will be organised at the conference. The conference is calling for special sessions and tutorial proposals. All special session proposals should be sent to the conference chair (by email to: [masoud.mohammadian@canberra.edu.au](mailto:masoud.mohammadian@canberra.edu.au)) on or before 4th of August 2006.

CIMCA'06 will also include a special poster session devoted to recent work and work-in-progress. Abstracts are solicited for this session. Abstracts (3 pages limit) may be submitted up to 30 days before the conference date.

#### Visits and social events

Sightseeing visits will be arranged for the delegates and guests. A separate program will be arranged for companions during the conference.

#### Further Information

For further information either contact [cimca@canberra.edu.au](mailto:cimca@canberra.edu.au) or see the conference homepage at:

<http://www.ise.canberra.edu.au/conferences/cimca06/default.htm>

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Publication:

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