

CALL FOR PAPERS CIMCA2005 & IAWTIC2005

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- *From:* "Conference Secretary" <aista2000@xxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 7 Apr 2005 11:52:44 +1000
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CALL FOR PAPERS

International Conference on Computational Intelligence for Modelling,
Control and Automation
28 – 30 November 2005 Vienna, Austria
<http://www.ise.canberra.edu.au/conferences/cimca05/>

In co-operation of:
IEEE Computational Intelligence Society

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/iawtic05/>

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 Vienna, Austria on 28 to 30 November 2005. 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. Topics of the

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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'2005 Secretariat
School of Information Sciences and Engineering
University of Canberra, Canberra, 2616, ACT, Australia
E–mail: cimca@xxxxxxxxxxxxxxxx

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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.

Important Dates

31 August 2005 Submission of draft papers

30 September 2005 Notification of acceptance

21 October 2005 Deadline for camera-ready copies of accepted papers

28–30 November 2005 Conference sessions

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@xxxxxxxxxxxxxxxx) on or before 5th of August 2005. CIMCA'05 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@xxxxxxxxxxxxxxxx or see the conference homepage at:

<http://www.ise.canberra.edu.au/conferences/cimca05/default.htm>

Organising Committee Chair:

Masoud Mohammadian, University of
Canberra, Australia

International Program Committee:

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Local Arrangements and

Public Relation:

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C Meier, Australia

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Zohreh Pahlavani, AVIP, Austria

Publication:

Masoud Mohammadian, Australia

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Universidad Carlos III de Madrid, (José-Luis Fernández-Villacañas Martín)
University of Guelph, (Simon X. Yang)

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