



5th International Conference on Computational Intelligence, Robotics and Autonomous Systems

June 19 – June 21, 2008, Linz, Austria
Call for Papers

We are pleased to announce the 5th International Conference on Computational Intelligence, Robotics and Autonomous Systems (CIRAS 2008). The first CIRAS was held in 2001 in Singapore and, since that time, has become a respected platform in its focus areas. Whereas the previous conferences have had a strong focus on the Asian region, CIRAS is now for the first time being held in Europe.

Aims and Scopes

Intelligence in automation systems is increasingly becoming a key and important technology to be harnessed for enhancing productivity and economic returns. CIRAS will focus on research directions that are broadly covered by the fields Computational Intelligence (CI), Robotics and Autonomous Systems. CIRAS is intended to provide a common platform for knowledge dissemination among researchers working in these areas.

Topics include but are not limited to

- Intelligent Control
- Real Time Control
- DNA Computing
- Life Sciences
- Fuzzy Systems
- Neuro-Fuzzy Systems
- Neural Networks (NN)
- Autonomous Systems
- Multi-Agent Systems (MAS)
- System Design Automation
- Robotics, Humanoids
- Sensor Fusion
- Sensor Networks
- Cooperative Robotics
- Robot Soccer Systems
- Evolutionary Robotics
- Evolvable Hardware
- Distributed Systems
- Embedded Systems
- Non-Linear Systems
- Educational Technology
- Rough Sets, Data Mining
- Power Systems
- Genetic Algorithms (GA)
- Evolutionary Computation (EC)
- Hybrid CI Algorithms
- Distributed Evolutionary Algorithms
- Real Time Evolutionary Computation
- Evolutionary Logistics
- Evolutionary Systems
- Multi-Objective Evolutionary Algorithms

Paper Submission

CIRAS 2008 welcomes paper submissions from researchers, practitioners and students to share expertise, technology and practice in all areas related to its topics. Authors are invited to submit original works in the form of full papers (up to 6 A4 pages). All manuscripts must follow the format guidelines/templates that can be found at the conference website <http://www.ciras2008.org>. Only electronic submissions in PS or PDF format can be accepted. Upon acceptance, authors will be required to register and present their paper. All papers are peer-reviewed.

Journal Issues and Special Sessions

Selected papers will be published in the International Journal of Humanoid Robotics. It is intended to publish selected papers from all other sessions in a special issue of Robotics and Autonomous Systems.

CIRAS 2008 also solicits special session proposals. Special sessions are intended to initiate in-depth discussions in areas relevant to the conference theme.

FIRA and FIFA EuroCup 2008

The FIRA EuroCup 2008 in robot soccer will be held in conjunction with CIRAS 2008. The robot soccer games and the conference provide a good opportunity for scientists and engineers to interact with one another in a relaxing but stimulating environment. The FIFA EuroCup 2008 in human soccer will take place June, 7-29, 2008 in Austria and Switzerland. Closest Matches are in Vienna.

Important Dates

- Full Paper Submission Deadline: April 21, 2008 **extended to May 5, 2008**
- Notification of Acceptance: 10-14 days after submission
- Camera-ready Manuscript Due: May 22, 2008

Venue

CIRAS 2008 will be held in Linz, Austria. Linz is located between Vienna and Salzburg and just a short train ride away from both cities. It can be reached easily by plane via Vienna, Salzburg or Linz International Airports.

Honorary chairs

Prahlad Vadakkepat, SG
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Program chairs

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Supporting Institutions

Austrian Computer Society
City of Linz
Federation of International Robot-soccer Association (FIRA)
IEEE Robotics and Automation Society - Singapore Chapter
National University of Singapore
Swiss Informatics Society



Organized by

Institute of Handling Devices and Robotics – Vienna University of Technology
Faculty of Computer Science – Technical University of Dortmund

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