



## CALL FOR PAPERS

### ***Research Papers:***

Authors are invited to electronically submit original, English-language research contributions or experience reports no longer than 10 pages formatted according to the well known LNCS Springer style. Submitted papers must present unpublished work, not being considered for publication in other journals or conferences.

Submitted papers will be refereed by at least two reviewers for quality, correctness, originality, and relevance. Notifications and reviews will be communicated via email. Accepted papers will be presented at the conference and included in the proceedings, which will be published by Springer and will be available on site.

### ***Workshops:***

Proposals for workshops that examine emerging, innovative, or otherwise provocative issues within the conference area are encouraged as well. Workshop proposals should include a 1-2 page summary of the topic and the names and affiliations of chairs and program committee members. Workshop papers will be included in the conference proceedings (published by Springer).

Please send your workshop proposals to [aiai2013@aca.cut.ac.cy](mailto:aiai2013@aca.cut.ac.cy)

### ***Tutorials:***

Proposals for 90-minute tutorials are also invited on topics within the conference area. Tutorial proposals must be at most 5 pages, they must identify the intended audience, and they must give enough material to provide a sense of what will be covered.

Please send your tutorial proposals to [aiai2013@aca.cut.ac.cy](mailto:aiai2013@aca.cut.ac.cy)

## IMPORTANT DATES

Deadline for Workshop and Tutorial proposals	.....	February 15, 2013
Notification for Workshops and Tutorials	.....	February 22, 2013
Abstract submission deadline	.....	March 5, 2013
Paper submission deadline	.....	March 10, 2013
Author notifications	.....	April 30, 2013
Camera-ready submission deadline	.....	May 17, 2013
Early registration deadline	.....	May 17, 2013
Conference dates	.....	September 26-28, 2013

# TOPICS

Suggested topics include, but are not limited to, the following:

## **Theoretical Advances**

- Machine Learning
- Adaptive Control
- Data Fusion
- Reasoning Methods
- Knowledge Acquisition & Representation
- Planning And Scheduling
- Artificial Neural Networks
- Expert Systems
- Fuzzy Logic and Systems
- Genetic Algorithms & Programming
- Particle Swarm Optimization
- Bayesian Models

## **Knowledge Engineering**

- Data Mining & Information Retrieval
- Decision Support Systems
- Knowledge Management for e-Learning & Enterprise Portals
- Intelligent Information Systems
- Web and Knowledge Based Information Systems
- Ontologies

## **Signal Processing Techniques and Knowledge Extraction**

- Computer Vision
- Human-Machine Interaction / Presence
- Learning and Adaptive Systems
- Pattern Recognition
- Signal and Image Processing
- Speech and Natural Language Processing

## **Multimedia, Graphics and Artificial Intelligence**

- Multimedia Computing
- Multimedia Ontologies
- Smart Graphics
- Colour/Image Analysis
- Speech Synthesis

## **Trends in Computing**

- Accessibility & Computers
- Affective Computing
- Agent & Multi-Agent Systems
- Autonomous & Ubiquitous Computing
- Distributed AI Systems & Architectures
- Grid-Based Computing
- Intelligent Profiling & Personalization
- Robotics and Virtual Reality

## **Artificial Intelligence Applications**

- eBusiness, eCommerce, eHealth, eLearning
- Engineering and Industry
- Environmental Modeling
- Finance
- Telecommunications - Transportation
- Crisis and risk management
- Medical Informatics & Biomedical Engineering
- Political Decision Making
- Natural Language Processing
- Planning and Resource Management
- Project Management
- Emerging Applications
- Forensic Science

## **Other**

- AI and Ethical Issues
- Evaluation of AI Systems
- Social impact of AI

## CONFERENCE ORGANIZATION

### General Chairs:

Andreas S. Andreou, *Cyprus University of Technology*  
Harris Papadopoulos, *Frederick University, Cyprus*

### Program Committee Chairs:

Harris Papadopoulos, *Frederick University, Cyprus*  
Andreas S. Andreou, *Cyprus University of Technology*  
Lazaros Iliadis, *Democritus University of Thrace, Greece*  
Ilias Maglogiannis, *University of the Aegean, Greece*

### Workshop Chairs:

Efthymoulos Kyriacou, *Frederick University, Cyprus*  
Efi Papatheocharous, *University of Cyprus*

### Tutorials Chair:

Sotirios P. Chatzis, *Cyprus University of Technology*

### Publicity Chairs:

Christoforos Charalambous, *Frederick University, Cyprus*  
Savvas Pericleous, *Frederick University, Cyprus*

### Sponsorship Chair:

Andreas Konstantinidis, *Frederick University, Cyprus*  
Christos Makarounas, *Cyprus University of Technology*

### Webmaster:

Pantelis Yiasemis, *Cyprus University of Technology*

## ORGANISING INSTITUTIONS

