



Call for papers

4th International Workshop on Hybrid Methods for Adaptive Systems HMAS 2004

Part of the eunite 2004 Symposium, 10-12 June 2004, Aachen

Following the success of the three preceding workshops on Hybrid Methods for Adaptive Systems organised during the eunite symposia 2001 - 2003 in Tenerife, Albufeira and Oulu we are pleased to announce that the 4th workshop is going to take place during the eunite 2004 symposium in Aachen, Germany from June 10-12, 2004.

The organising committee, the eunite research committee for Integration of Intelligent Methods and Hybrid Systems, is working on the integration of fuzzy systems, neural networks, evolutionary computation, machine learning and related technologies. The goal of the committee is to provide a common platform to discuss and exchange research results and to define a common terminology. We are especially interested in combinations of the above-mentioned methods and their application to adaptation in hybrid systems.

We view adaptation not as a single learning cycle that creates a model from data but as a continuous process that enables a system to fit into its environment and perform suitably, even if the environment changes. Adaptation can be necessary to regain or maintain consistency, to meet changing user requirements or for optimisation. Examples of features that can be adapted in an information system are parameters, structure, trajectory, task, plan, goals and organisation. The purpose of this workshop is to stimulate cross-community discussion and to collect state-of-the-art contributions.

The eunite 2004 Symposium

eunite 2004 is the fourth conference organized by the European Network of Excellence EUNITE. The conference features state-of-the-art presentations as well as new developments in fuzzy logic, neural networks, evolutionary computation and machine learning. The focus is on adaptive systems, with special interest in solving industrial problems.

Topics of Interest

We encourage researchers and practitioners from all fields to submit papers from the area described above that consider one or more of the following themes:

- advanced hybrid approaches
- synergies with closely related areas like qualitative reasoning, case-based reasoning and computational logic
- adaptivity in information or multimedia retrieval (eg. with respect to user interests or data)
- methodologies for optimal problem-dependent selection of intelligent techniques
- adaptation and portability of intelligent systems
- applications of hybrid systems (e.g. for knowledge discovery and data mining)
- software tools, case studies, benchmarks

Submissions

Contributions can have up to 10 pages in length and should be submitted electronically in PDF or postscript format to Andreas Nürnberger (email: nuernb@iws.cs.uni-magdeburg.de). Papers with 4 pages or less are considered as extended abstracts. Accepted papers will be published in the eunite 2004 proceedings. Submissions should be formatted according to the guidelines of the main conference.

For all enquiries regarding the workshop please contact the chair Andreas Nürnberger (anuernb@eecs.berkeley.edu) or the co-chair Antonio Dourado (dourado@dei.uc.pt).

Important Dates

31 January 2004:	Electronic submission of abstracts/papers
7 March 2004:	Notification of acceptance
4 April 2004:	Deadline for submission of the final paper for the proceedings
10-12 June 2004:	Workshop during eunite 2004 Symposium

Program Committee

Ajith Abraham, Oklahoma State University, USA
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Andreas Nürnberger, University of Magdeburg, Germany
Henri Prade, IRIT, France
António Ruano, University of Algarve, Portugal

Venue and Registration

Participation at the workshop requires registration for eunite 2004. The registration form as well as information about the venue, hotels, etc. can be found at the conference Web site <http://www.eunite.org>. Further information is also provided on the workshop Web page: <http://adiret.cs.uni-magdeburg.de/hmas2004/>.