

## Synasc 2005 - Workshops - AcSys 2005

New submission deadline - July 29, 2005! ACSys 2005 Workshop on Agents for Complex Systems in conjunction with SYNASC-2005

7th International Symposium on  
Symbolic and Numeric Algorithms for Scientific Computing  
Timisoara, Romania  
September 25 - 29, 2005 <http://synasc05.info.uvt.ro>

### Workshop description

Autonomous agents are software entities that are capable of independent action in open, unpredictable environments. Agents and multi-agent systems are currently applied in diverse domains that require complex problem solving models. The aim of the workshop is to bring together researchers and developers from academia and industry in order to discuss current scientific and technical results on using agents technology for solving complex, distributed real-world problems. The workshop welcomes submissions of original, high-quality papers reporting on models or systems that have been or are being implemented.

Experience reports and application demonstrators are particularly welcome.

### Topics:

Specific topics of this workshop include, but are not limited to, the following:

- Multi-agent systems for modeling and simulation
- Agent oriented software design and methodology
- Performance analysis / modeling of multi-agent systems
- Task-based agent context and task-oriented agents
- Multi-agent systems in high-performance processing
- Agents and multi-agent systems for Grid Computing
- Recommendation agents for scientific problem solving
- Distributed knowledge integration and sharing for scientific applications
- Agent based resource and service discovery
- Agents and emergent behavior

### Submission of papers:

We invite submissions in the form of:

- full research papers,
- short papers (work in progress), system descriptions and software demonstrations.

Papers of up to 8 pages (IEEE style) must be submitted electronically to [vnegru@info.uvt.ro](mailto:vnegru@info.uvt.ro)

Extended abstracts (up to 4 pages) may be submitted for short papers and system presentations. Only full papers will be considered for publication in post-proceedings.

Papers will be refereed and accepted on the basis of their scientific merit and relevance to the Workshop topics.

### Publication:

The extended abstracts of the papers accepted for presentation at SYNASC'05 will be available to the participants on a CD at the conference site.

Revised versions of papers presented at SYNASC'05 will further be published by IEEE Press.

### Workshop deadlines:

Submission of papers: July 29, 2005  
Notification of acceptance: August 15, 2005  
Final paper: September 1, 2005  
Registration: September 1, 2005  
Symposium starts: September 25, 2005

Revised papers for post-proceedings: October 20, 2005

Workshop organizers:

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