

:. About the conference

Recently, the area of agents and multi-agent systems has grown into a respected research field and a promising technology that has already been exploited in several industrial cases. There have been many novel methods, algorithms and theories investigated and formulated, enhancing classical software engineering and computer science, distributed systems and parallel computing, various fields of robotics, collaborative systems, internet services and technologies, and grid computing, as well as knowledge



management, computer supported manufacturing or coalition formation and teamwork. Researchers have participated in a vast number of international and national research projects which have resulted in networks of excellence, thematic clusters and large-scale standardization efforts. Even though there are noteworthy successes in applying research achievements from the areas of multi-agent systems and autonomous agents in design and manufacturing, transport and logistics, military and space applications, the tourism industry, e-commerce and many other areas, there is still a gap between the state of the art achieved in the theoretical foundations of agent technologies and their potential for industry-wide deployment. This conference is expected to contribute to bridging this gap by bringing together research scientists, academics, industrial experts and key decision-makers from all over the world in one location, where world-wide technological advancements meet the research potential of Central and Eastern European countries.

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After the success of CEEMAS 1999 (St. Petersburg), and CEEMAS 2001 (Cracow) in June 2003, this CEEMAS event will take place in Prague, Czech Republic. The conference proceedings will be published as an LNAI volume by Springer Verlag.

:. Topics of the conference:

- agent models and architectures
- reactive and intentional agents
- teamwork and coordinated behavior
- coalition formation and team-action planning
- agents' knowledge representation,
- social knowledge and social reasoning
- agent communication, interaction protocols and mechanisms
- meta-reasoning, meta-agency, reflection in MAS
- agents in electronic business and virtual organizations
- learning and evolution in MAS
- conflicts, conflict resolution and negotiation
- formal methods, logic in MAS
- personal agents, agent-based user interfaces
- role of agent standards – communication, agent management, ontologism
- agent oriented programming and agent-based software engineering
- mobility, migration
- security, authentication, intrusion detection
- self-organizing systems and emergent organization
- holons and holarchies
- complexity and tractability in agent-based systems

:. Important Dates

- Submission of papers: January 17, 2003
- Notification of acceptance: February 28, 2003
- Camera ready copy submission: March 28, 2003

:. Submission of Papers

Papers should be formatted according to Springer LNAI guidelines and must not exceed 10 pages, including graphics and references (<http://www.springer.de/comp/lncs/authors.html>). Authors are requested to submit their papers electronically to the <http://agents.felk.cvut.cz/ceemas/>.



:. Organization

Co-chairs:

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 Jörg Müller (Germany)
 Michal Pechoucek (Czech Republic)

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 Rieneke Verbrugge (The Netherlands)
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Local organizing committee: (all Czech Republic)

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