CALL FOR PAPERS

Third German Conference on

Multi-Agent System Technologies (MATES 05)

September 11 - 13, 2005
Koblenz, Germany
http://www.mates2005.de

Incorporating the
9th International Workshop on Cooperative Information Agents (CIA 2005)
http://www.dfki.de/~klusch/IWS-CIA-home.html

Co-located with the
28th German Conference on Artificial Intelligence (KI 2005)
http://ki2005.uni-koblenz.de

Co-sponsored by
AgentLink III
German Computer Society (GI)
Siemens AG, Germany
Whitestein Technologies, Switzerland

IMPORTANT DATES

Submission of papers: April 1, 2005

Notification of authors: June 3, 2005

Camera-ready papers: June 20, 2005

AIMS & SCOPE

The German conference on Multi-Agent System TEchnologieS (MATES) provides an interdisciplinary forum for researchers, users and developers, to present and discuss latest advances in research work, as well as prototyped or fielded systems of intelligent agents and multi-agent systems. The conference aims to promote theory and application and covers the whole range of agent- and multi-agent technologies.

Incorporating the CIA workshop, the topics of interest of MATES 2005 also cover the domain of information agents and agent-based information systems for the Internet, Web, and semantic Web.

The proceedings of MATES 2005 will be published as volume 3550 in the Springer series of Lecture Notes on Artificial Intelligence (LNAI). These proceedings are considered as joint proceedings with CIA 2005.

TOPICS

Areas of interest include, but are not limited to:

Coordination and conflict resolution - Negotiation and argumentation - Artificial social systems: conventions, norms, institutions; trust and reputation - Hybrid human and agent societies - Advanced theories of collaboration: Modelling and formation of teams, coalitions, groups, and organizations - Multi-agent planning and scheduling - Adaptive agents and multi-agent learning - Complex systems and their management - Agent and multi-agent architectures - Agent communication languages - Agent-oriented software engineering - Multi-agent platforms and tools - Architectures, prototypes, and fielded systems of information agents for the Web, and semantic Web - Agent-based recommender systems - Agent-Based distributed knowledge discovery and data mining - Agent-based semantic Web service discovery and composition planning - Agent-based service matchmaking and brokering in the semantic Web - Agent-based distributed ontology management - Mobile information agents - Human-

agent interaction for (systems of) information agents - Interface agents, believable agents and user modelling - Information agents for/applied to digital cities - Advanced, personalized 3-d visualizations of information spaces - Agent-based Web usage mining - Deployed agent-based business applications - Agents and Grid Computing - Agents and Autonomic Computing - Agents and Pervasive Computing - Agents and Quantum Computing - Agents in novel application domains, e.g. Bioinformatics, and health care - Autonomous robots and robot teams - Practical aspects of programming agent systems: Robustness, scalability and performance measurement - Multi-agent simulation and modelling

AWARDS

MATES and CIA 2005 jointly issue a "MATES/CIA 2005 Best Paper Award". This award is sponsored by Siemens Corporation, Germany.
In addition, CIA 2005 issues a "CIA 2005 System Innovation Award" to acknowledge highly innovative development of intelligent information agents, and agent-based information systems. This award is sponsored by Whitestein Technologies.

DOCTORAL MENTORING PROGRAM

MATES 2005 intends to include a doctoral mentoring program, aimed at PhD students in advanced stages of their research. This program will provide an opportunity for students to interact closely with established researchers in their fields, to receive feedback on their work and to get advice on managing their careers.

STUDENT TRAVEL GRANTS

MATES 2005 provides limited financial support to a limited number of students who are co-authors of accepted papers to give their presentation at the MATES 2005 conference. To apply for one MATES 2005 student travel grant, please send following information via email to klusch@dfki.de until July 18, 2005, 6pm Berlin

** Full name, address, and affiliation ** Full name and email address of PhD/Master thesis advisor, or fax student ID card copy to +49-681-302-2235, attn. MATES 2005, Dr. Matthias Klusch ** Title of accepted paper to present at MATES 2005 conference ** Amount of financial support needed (not exceeding 250 euros) ** Justification of claim (rough travel cost breakdown)

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