CALL FOR PAPERS

10th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA-X)

[Co-located with 7th German Conference on Multi Agent System Technologies (MATES)]

Hamburg, Germany   9th–10th September, 2009

`http://jadex.informatik.uni-hamburg.de/mates/bin/view/CLIMA/Home`

Background: Multi-Agent Systems are communities of problem-solving entities that can perceive and act upon their environment in order to achieve both their individual goals and their joint goals. The work on such systems integrates many technologies and concepts from artificial intelligence and other areas of computing as well as other disciplines. Over recent years, the agent paradigm gained popularity, due to its applicability to a full spectrum of domains, such as search engines, recommendation systems, educational support, e-procurement, simulation and routing, electronic commerce and trade, etc. Computational logic provides a well-defined, general, and rigorous framework for studying the syntax, semantics and procedures for the various tasks in individual agents, as well as the interaction between, and integration amongst, agents in multi-agent systems. It also provides tools, techniques and standards for implementations and environments, for linking specifications to implementations, and for the verification of properties of individual agents, multi-agent systems and their implementations.

Aim and Scope: The aim of CLIMA is to bring together active researchers from all the above areas to discuss and present their work. Relevant topics include, but are not limited to, the following (all with a focus on agents, multi-agent systems, or agent organisations):

- logical foundations
- extensions of logic programming
- temporal reasoning or modal logic approaches
- logic-based programming languages
- non-monotonic reasoning
- decision theory
- hypothetical reasoning and learning
- knowledge and belief representation and updates
- operational semantics and execution agent models
- model checking approaches using (multi-)agent logics
- semantics of interaction and agent communication languages
- distributed constraint satisfaction or distributed theorem proving
- logic-based implementations
- specification and verification of formal properties

Paper Submission: We invite submissions of high quality, original papers, which are not simultaneously submitted for publication elsewhere. Papers should be written in English, formatted according to the Springer LNCS style, and not exceed 16 pages including figures, references, etc. Each paper should include some examples illustrating the proposed techniques.

Submissions must be made via

> `http://www.easychair.org/conferences/?conf=clima10`.

Submissions will be reviewed and selected and a printed volume of the proceedings will be available at the workshop. As in previous years, a selection of extended workshop papers will be published in a Post-Proceedings volume within the Springer Verlag LNAI series; see `http://centria.di.fct.unl.pt/%7Eclima`. Note that CLIMA-X will also incorporate the results of this year's Multi-Agent Contest; see `http://www.multiagentcontest.org`.

WORKSHOP CO-CHAIRS:

Jürgen Dix	(Clausthal, DE)
Michael Fisher	(Liverpool, UK)
Peter Novák	(Clausthal, DE)

PROGRAMME COMMITTEE:

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Important Dates:

Deadline for submission:
22nd June 2009
Notification of acceptance:
16th July 2009
Camera Ready Copy due:
10th August 2009