Call for Papers: DALT'03

First Workshop on Declarative Agent Languages and Technologies

(affiliated with AAMAS 2003)

Melbourne, Australia, July 2003

`http://centria.di.fct.unl.pt/~jleite/dalt03/`

ABOUT THE WORKSHOP

Agent metaphors and technologies are ever more adopted to harness and govern the complexity of today's systems. As a consequence, the growing complexity of agent systems calls for models and technologies that promote system predictability, and enable feature discovery and verification. Recent advances in the area of logics and formal methods make declarative languages and technologies a mostly promising approach to the modeling and engineering of complex agent systems.

DALT aims at fostering a discussion forum to export, on the one hand, such techniques into the broader community of agent researchers and practitioners and, on the other hand, to bring in the issues of real-world, complex, and possibly large-scale agent system design in the perspective of formal methods and declarative technologies.

DALT 2003 will take place in Melbourne, Australia, in conjunction with AAMAS, the 2nd International Conference on Autonomous Agents and Multi-Agent Systems.

Topics of interest include, but are not limited to:

- Declarative agent communication and coordination languages
- Knowledge-based and knowledge-intensive MAS
- Modelling of agent rationality
- Declarative approaches to the engineering of MAS
- High level agent specification languages
- Practical aspects of declarative agent programming and implementation
- Formal methods for the specification and verification of MAS
- Computational logics in MAS
- Argumentation and dialectical systems in MAS
- Declarative description of contracts and negotiation issues in MAS
- Lessons learned from the design and implementation of MAS
- Declarative paradigms for the combination of heterogeneous agents
- Constraints and MAS
- Declarative representation of policies and security in MAS

PROCEEDINGS

To encourage and promote the discussion, early and final versions of accepted papers will be available online. A printed volume with the proceedings will be available at the workshop. Authors of papers presented at the workshop will be asked to extend their contributions to be included in the workshop post-proceedings.

Post-proceedings will be published by *Springer-Verlag* as a volume of the *Lecture Notes on Artificial Intelligence* series.

SUBMISSION INSTRUCTIONS

We welcome and encourage the submission 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, which can be obtained at (http://www.springer.de/comp/lncs/authors.html), and not exceed 16 pages including figures, references, etc.

Send your paper in PostScript (PS) or Portable Document Format (PDF) to `jleite@di.fct.unl.pt`.

IMPORTANT DATES

- Submission: April 11th, 2003
- Notification of Acceptance: May 6th, 2003
- Final version due: May 16th, 2003
- DALT'03: July, 2003

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