Call for Papers: DALT'04

Second Workshop on Declarative Agent Languages and Technologies

(affiliated with AAMAS 2004)

New York, USA, July 19 or 20, 2004

http://centria.di.fct.unl.pt/~jleite/dalt04/index.htm

ABOUT THE WORKSHOP

Building multi-agent systems still calls for models and technologies that ensure system predictability, enable feature discovery and verification, and accommodate flexibility. Declarative approaches offer to satisfy precisely these properties of large-scale multi-agent systems. Recent advances in the area of computational logics provide a strong foundation for declarative languages and technologies. Equipped with such strong foundation, declarative approaches can enable agents to reason about their interactions and their environment and hence not only establish the required tasks but also handle exceptions that arise in many systems.

However, a great effort still has to be done to make formal methods and declarative technologies available to the broader agent community, and to apply theoretical results to enable practical implementation of agent systems. Accordingly, Declarative Agent Languages and Technologies (DALT) workshop aims at bringing together (1) researchers working on formal methods for agent and multi-agent systems design, (2) engineers interested in exploiting the potentials of declarative approaches for specification of agent-based systems, and (3) practitioners exploring the technology issues arising from a declarative representation of systems.

Topics of interest include, but are not limited to:

- Declarative agent communication and coordination languages
- Declarative approaches to the engineering of agent systems
- Experimental studies of declarative technologies
- Industrial and commercial experiences with declarative agent technologies
- Formal methods for the specification and verification of agent systems
- Computational logics in multi-agent systems
- Argumentation and dialectical systems
- Declarative description of contracts and negotiation issues
- Lessons learned from the design and implementation of agent systems
- Declarative paradigms for the combination of heterogeneous agents
- Constraints and agent systems
- Declarative policies and security in MAS
- Knowledge-based and knowledge-intensive MAS
- Modeling of agent rationality

PROCEEDINGS

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, possibly incorporating the results of the workshop discussion, to be included in the workshop post-proceedings to be published in a journal special issue or a book. The DALT 2003 post-proceedings are published by Springer Verlag as a volume of the Lecture Notes on Artificial Intelligence series.

SUBMISSION INSTRUCTIONS

Papers should be written in English, formatted according to the Springer LNCS style, and not exceed 16 pages. Paper submission is electronic via the conference home page.

IMPORTANT DATES

- Submission: April 1st, 2004
- Notification of Acceptance: May 1st, 2004
- Final version due: May 21st, 2004
- DALT'04: July 19 or 20th, 2004

PROGRAM COMMITTEE

- Rafael Bordini, The University of Liverpool, UK
- Marco Colombetti, Politecnico di Milano, Italy
- Stefania Costantini, Universit degli Studi di L'Aquila, Italy
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- Munindar Singh, North Carolina State University, USA
- Wiebe van der Hoek, The University of Liverpool, UK
- Wamberto Vasconcelos, University of Aberdeen, UK
- Michael Winikoff, RMIT University, Australia

WORKSHOP ORGANIZERS:

- João Leite, Universidade Nova de Lisboa, Portugal
jleite@di.fct.unl.pt (contact address)
- Andrea Omicini, Università di Bologna, Italy
aomicini@deis.unibo.it
- Paolo Torroni, Università di Bologna, Italy
ptorroni@deis.unibo.it
- PInar Yolum, Vrije Univ. Amsterdam, The Netherlands
pyolum@few.vu.nl