



3rd International Workshop on Declarative Agent Languages and Technologies (at AAMAS 2005)

Utrecht, July 25th or 26th, 2005

URL: <http://www.doc.ic.ac.uk/~ue/DALT-2005/>

Workshop organizers

- Matteo Baldoni, University of Turin, Italy
- Ulle Endriss, Imperial College London, UK
- Andrea Omicini, University of Bologna – Cesena, Italy
- Paolo Torroni, University of Bologna, Italy

Program Committee

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- Lin Padgham, RMIT University, Australia
- Wojciech Penczek, Polish Academy of Science, Poland
- Luís Moniz Pereira, Universidade Nova de Lisboa, Portugal
- Enrico Pontelli, New Mexico State University, USA
- Juan Rodriguez-Aguilar, Spanish Research Council, Spain
- Marek Sergot, Imperial College London, UK
- Francesca Toni, Imperial College London, UK
- Wamberto Vasconcelos, University of Aberdeen, UK
- Michael Winikoff, RMIT University, Australia
- Franco Zambonelli, University of Modena and Reggio Emilia, Italy

Important dates

Submission:

March 14th, 2005

Notification of acceptance:

April 18th, 2005

Final version:

May 15th, 2005

Workshop:

July 25th or 26th, 2005

Call for Papers

“Declarative Agent Languages and Technologies”, in its third edition this year, is an well-established venue for researchers interested in sharing their experiences in declarative and formal aspects of agents and multi-agent systems, on the one hand, and in engineering and technology on the other. Today it is still a challenge to develop technologies that can satisfy the requirements of complex agent systems. Importantly, building multi-agent systems still calls for models and technologies that ensure predictability, enable feature discovery, allow the verification of properties, and guarantee flexibility. Declarative approaches are potentially a valuable means for satisfying the needs of multi-agent systems developers and for specifying multi-agent systems.

The main goal of DALT is to provide a discussion forum to both (1) support the transfer of declarative paradigms and techniques to the broader community of agent researchers and practitioners, and (2) to bring the issues of designing real-world and complex agent system to the attention of the researchers working on declarative programming and technologies.

DALT 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
- Distributed constraint satisfaction and constraint reasoning in agents
- Multi-criteria optimisation and distributed problem solving with constraints
- Computational logics in multi-agent systems
- Model Checking MAS
- 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 and 2004 post-proceedings are published by Springer 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.