

DALT 2008

MAY 2008 - ESTORIL, PORTUGAL

6th International Workshop (at AAMAS 2008) on Declarative Agent Languages and Technologies

Estoril, Portugal, May 12th or 13th, 2008

URL: <http://www.di.unito.it/~baldoni/DALT-2008/>

Call for Papers

The workshop on **Declarative Agent Languages and Technologies (DAL T)**, in its sixth edition this year, is a well-established forum for researchers interested in sharing their experiences in **combining declarative and formal approaches with engineering and technology aspects of agents and multiagent systems**. Building complex agent systems calls for models and technologies that ensure predictability, allow for the verification of properties, and guarantee flexibility. Developing technologies that can satisfy these requirements still poses an important and difficult challenge. Here, declarative approaches have the potential of offering solutions satisfying the needs for both specifying and developing multiagent systems. Moreover, they are gaining more and more attention in important application areas such as the **semantic web, service-oriented computing, security, and electronic contracting**. For instance, some convergence points between the areas of formal methods for dealing with web services and formal methods for agents are emerging and gaining more and more attention.

DAL T 2008 will be held as a satellite workshop of AAMAS 2008, the 7th International Joint Conference on Autonomous Agents and Multiagent Systems, in May 2008 in Estoril, Portugal. Following the success of three previous editions, DAL T will again aim at providing a discussion forum to both (i) support the transfer of declarative paradigms and techniques to the broader community of agent researchers and practitioners, and (ii) to bring the issue of designing complex agent systems to the attention of researchers working on declarative languages and technologies.

Workshop organizers

- Matteo Baldoni, University of Torino, Italy
- Tran Cao Son, New Mexico State University, USA
- M. Birna van Riemsdijk, Ludwig-Maximilians-Universitaet Muenchen, Germany
- Michael Winikoff, RMIT university, Australia

Programme Committee

- Thomas Agotnes, Bergen University College, NO
- Marco Alberti, University of Ferrara, Italy
- Natasha Alechina University of Nottingham, UK
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- Matteo Baldoni, University of Torino, Italy
- Cristina Baroglio, University of Torino, Italy
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- Amit Chopra, North Carolina State University, USA
- Keith Clark, Imperial College London, UK
- Francesco Donini, University of Tuscia, Italy
- Benjamin Hirsch, TU Berlin, Germany
- Shinichi Honiden, NII, Japan
- John Lloyd, Australian National University
- Viviana Mascardi, University of Genova, Italy
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- Enrico Pontelli, New Mexico State University, USA
- Birna van Riemsdijk, Ludwig-Maximilians-Universitaet Muenchen, Germany
- Chiaki Sakama, Wakayama University, Japan
- Tran Cao Son, New Mexico State university, USA
- Wamberto Vasconcelos, Univ. of Aberdeen, UK
- Mirko Viroli, University of Bologna, Italy
- Marina De Vos, University of Bath, UK
- Michael Winikoff, RMIT University, Australia

Important dates

Submission deadline: February 3rd, 2008
Notification of acceptance:
February 25th, 2008
Final versions due: March 5th, 2008

DAL T topics of interest include, but are not limited to:

General themes:

- specification of agents and multi-agent systems
- declarative approaches to engineering agent systems

Formal techniques:

- (constraint) logic programming approaches to agent systems
- distributed constraint satisfaction
- modal and epistemic logics for agent modelling
- verification of agents and multiagent systems
- formal semantics for agent programming languages and frameworks

Declarative models:

- declarative models of agent beliefs, goals, and capabilities
- declarative models of bounded rationality
- declarative paradigms for the combination of heterogeneous agents

- declarative approaches to organizations and electronic institutions
- agent-inspired declarative approaches to web services or service-oriented architectures

Applications of declarative techniques to:

- agents and the semantic web
- service-oriented multiagent systems
- agent communication and coordination languages
- protocol specification and conformance checking
- description of contracts and negotiation policies
- security and trust in multiagent systems

Evaluation of declarative approaches:

- experimental analysis of declarative agent technologies
- industrial experiences with declarative agent technologies

Proceedings and submission instructions



Printed copies of the proceedings will be available at the workshop. The post-proceedings of DAL T 2008 will be published by Springer-Verlag in the Lecture Notes in Artificial Intelligence series.

We welcome and encourage the submission of high-quality, original papers, which are not being submitted simultaneously for publication elsewhere. 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.