The workshop on **Declarative Agent Languages and Technologies (DALT)**, in its fourth 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, web services, security, and electronic contracting.

DALT 2006 will be held as a satellite workshop of AAMAS 2006, the 5th International Joint Conference on Autonomous Agents and Multiagent Systems, in May 2006 in Hakodate, Japan. Following the success of three previous editions, DALT 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. DALT topics of interest include, but are not limited to:

**General themes:**
- specification of agents and multiagent systems
- declarative approaches to engineering agent systems

**Formal techniques:**
- model checking agents and multiagent systems
- (constraint) logic programming approaches to agent systems
- distributed constraint satisfaction
- modal and epistemic logics for agent modelling

**Declarative models:**
- declarative models of agent beliefs and capabilities
- declarative models of bounded rationality
- declarative paradigms for the combination of heterogeneous agents
- electronic institutions

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

**Evaluation of declarative approaches:**
- experimental analysis of declarative agent technologies
- industrial experiences with declarative agent technologies

**Important dates**
- Submission deadline: February 1st, 2006
- Notification of acceptance: February 19th, 2006
- Final versions due: March 10th, 2006
- Workshop: May 8th, 2006

**Submission instructions**
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.