

Call for Papers

[Special Issue on Agent Communication](#)

ACM Transactions on Intelligent Systems and Technology

Agent communication research seeks to address challenges in the development of applications involving multiple autonomous and heterogeneous agents. Agent communication differs from communication as studied in traditional distributed systems in its emphasis of high-level abstractions that enable flexible interaction yet support verifying compliance. Broad applications include business interactions, contracts and compliance, virtual enterprises, negotiation, argumentation and decision support, and so on.

We invite quality submissions that develop new insights, high-level abstractions, patterns, languages, formal theories, reasoning, and methodologies for communication in multiagent systems.

Broad topics include:

- Protocols
- Dialogs and argumentation
- Virtual organizations, institutions
- Commitments, norms, and other social concepts
- Trust and deception
- Correctness properties and their verification
- Tying communication with agent design and execution strategies
- Architecture, middleware, patterns, and programming language support
- Standardization of communication primitives
- Application-specific modeling and insights

Key Dates

August 15, 2010 (**hard deadline**) - Submissions

October 31, 2010 - Decisions

December 25, 2010 - Final versions

Publication - Early 2011

Submission

On-Line Submission (will be available before July 25, 2010):

<http://mc.manuscriptcentral.com/tist> (please select *Special Issue: Agent Communication as the manuscript type*). Each paper will be reviewed by at least three expert reviewers. Details of the journal and manuscript preparation are available at <http://tist.acm.org/>

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