

## CALL FOR PAPERS

### Invited Session on ENGINEERING INTERACTIONS PROTOCOLS

EIP 2009

### 3rd International KES Symposium AGENTS AND MULTI-AGENT SYSTEMS - TECHNOLOGIES AND APPLICATIONS

KES AMSTA 2009  
<http://amsta-09.kesinternational.org/>

Uppsala, Sweden  
3 - 5 June 2009

- **Introduction**

Within multi-agent systems (MASs), interaction protocols are widely recognized as a major mechanism for supporting activities such as information, task or resource sharing, coordination or distribution of actions, conflict resolution or commitments. Not only Protocols are a good means for structuring the set of all the interactions that take place in the course of a MAS execution but they also, in an organizational view of MASs, provide means for making coordination rules/norms explicit, notably by defining agent roles and the way they interact.

Thus, the importance of Protocols in MASs results from the fact that they structure not only their behaviour but also their organizations.

All these reasons have recently led to an increased interest in research considering protocols as first-class citizen components in MAS. Such a view raises a lot of specific protocol engineering issues in order to specify, validate, implement, share and reuse protocols efficiently and reliably.

This invited session will try to address these above issues and it is meant to cover foundations, techniques, methodologies and applications of Interaction Protocols.

- **Information for authors**

The papers will be reviewed by KES AMSTA International Program Committee. The papers should present original and unpublished research. The symposium proceedings are planned to be published and distributed by Springer-Verlag in series LNCS/LNAI. Submitted papers for EIP should be prepared in LNCS/LNAI style and should be limited to 10 pages. All submissions must be sent electronically using the PROSE software review system.

A selected number of accepted and personally presented papers will be expanded and revised for possible inclusion in a special issue of an international journal.

- **Topics of interest**

- Design, Analysis and Simulation of protocols
- Quality of Protocols: maintainability, reliability, scalability, security, performance and trust
- Ontology of Protocols
- Commitment Protocols, norms
- Protocol configuration
- Adaptive Protocols
- Deontic Protocols
- Protocol Mining
- Agent Protocols in SOA world
- Protocols within and between organizations or social structures
- Applications of Agent-based Protocols: grid, e-commerce, e-institution, crisis management, etc.

- **Invited session chair**

Dr. Chihab HANACHI University of Toulouse, IRIT Laboratory, France  
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- **Program Committee**

Andrea Omicini, Università di Bologna, Italy

Eric Andonoff, University of Toulouse, France

Amit Chopra, NSCU, USA

Lamjed Bensaïd, Institut Supérieur de Gestion, Tunis, Tunisia

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Sibertin-Blanc, University of Toulouse, France

Zakaria Maamar, College of Information Systems, Zayed University, Dubai, United Arab Emirates

Farouk Toumani, Université Blaise Pascal, France

### **Important Dates**

Submission of papers: **10 Dec. 2008**

Notification of acceptance: **10 Jan. 2009**

Final papers to be received: **1 Feb. 2009**

Authors / Early registration: **16 Feb. 2009**

Symposium: **4 Jun - 5 Jun 2009**

More details is available at the [KES AMSTA 2009 website](#).