

CALL FOR PAPERS

Special Issue on

Engineering Semantic Agent Systems:

Applying Semantic Web Technologies in Research and Development of
Software Agents, Mobile Agents and Multi-Agent Systems

At

Multiagent and Grid Systems - An International Journal

Editors-in-Chief: Huaglory Tianfield & Rainer Unland

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Following the

International Workshop on

Engineering Semantic Agent Systems

(**ESAS 2006**, <http://conferences.computer.org/compsac/2006/ESAS.html>)

Held in conjunction with the

30th IEEE Annual International Computer Software and Applications Conference

(**COMPSAC 2006**: <http://www.compsac.org/>)

And co-located with IEEE Computer Society **CoSTEP Conferences**: <http://conferences.computer.org/CoSTEP/>

A journal special issue is being prepared following the ESAS 2006 Workshop. The Editors-in-Chief of the Multiagent and Grid Systems (MAGS), An International Journal of IOS Press, have gratefully agreed to publish a special issue of extended papers of ESAS 2006 provided that they have been sufficiently enhanced since their presentation or proposal.

Reviewers of ESAS 2006 had suggested some of the papers as candidate for a future journal issue. The authors of those papers will be invited to submit their work for reconsideration. We personally know that many of the ESAS 2006 authors have since advanced their work considerably, we wish to reconsider their papers should they propose upto date versions. Therefore, we wish to extend this call to all authors of ESAS 2006 even if their papers were not selected for presentation during the Workshop.

Paper submission and review will be conducted as explained below. The original CFP of ESAS 2006 is the valid document explaining the justification, content and the list of suggested topics of the special issue as well. CFP is available at URL <http://conferences.computer.org/compsac/2006/ESAS.html>. An abridged version marking the main alleys is included below for ease of reference.

Intelligent software agents, mobile agents, and multiagent systems (MAS) run side by side with the use of semantic Web technologies. Several foci of interest are threaded in applying semantic Web technologies in research and development of such systems:

- **Software Agents, Mobile Agents, and MAS:** issues relating to architecture, implementation, coordination, service levels, etc. of semantic or otherwise agents.
- **Agent, MAS and Semantic Web Technologies:** concomitant utilization of specific technologies in agent, MAS, and semantic Web implementations; semantic agent communities & applications; case studies of best-practice MAS applications; projects in the making;
- **Ontologies for Agents and MAS:** agent cooperation ontology; ontology of workflow in MAS; ontologies for distributed applications; sharing and semantic interoperability; discovery and operations on ontologies;
- **Platforms for agent and MAS implementation:** languages, frameworks, tools, integrated development environments and software engineering practices supporting semantic or otherwise

software agent & MAS architectures, coordination, trust & security mechanisms, description, discovery and composition of agent-based services.

- **Other subjects of relevance to software agents**, mobile agents, agent-based and multi-agent systems.

SUBMISSION & REVIEW

Guest Editors of the special issue hereby invite the authors of ESAS 2006 to revise and expand their papers with substantial additional material for consideration for the Special Issue at MAGS Journal. Additionally, this CFP is open to all potential authors, whether they are authors of the Workshop papers or not. Original papers not being submitted to journals or other conferences will be considered.

Authors are requested to send the full expanded version of their workshop paper to both the Guest Editor of the special issue, Atilla.Elci (at) emu.edu.tr, and to the Editor-in-Chief of MAGS Journal, Rainer.Unland (at) icb.uni-due.de. Papers should be formatted according to the MAGS Journal's Instructions for Authors (<http://www.iospress.nl/html/15741702.php>). NB: Please send your paper as noted above, not to the IOS Press site. There is no page limitation at this stage. If the paper is a derivative of one that was submitted to ESAS 2006, the author should also enclose a statement on how the paper has been revised and expanded, relevantly addressing the ESAS 2006 Workshop's review comments. In that case, an expanded paper, whether it carries the same or differing title, should be accompanied by the original Workshop paper.

Submitted papers will be reviewed by the reviewers listed in the Program Committee of ESAS 2006 according to its originality, significance, correctness, presentation, and relevance. Additionally, derivatives of Workshop papers must address the reviewers' comments and must have been sufficiently enhanced.

IMPORTANT DATES

Paper submission by **March 1, 2007 (extended)**

Notification by **June 15, 2007**

Revised manuscript by **June 30, 2007.**

REVIEWERS

Reviewers will be drawn from the Program Committee of the ESAS 2006. The full list of reviewers is available at the ESAS 2006 URL: <http://conferences.computer.org/compsac/2006/ESAS.html>. The list of the technical reviewers (names and affiliations) who have contributed will be acknowledged in the Special Issue.

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