

AOMIP: AOSE Methodologies, Infrastructures and Processes

Track of the ACM Symposium on Applied Computing, 25th Edition

Sierre, Switzerland, March 22 -26, 2010

<http://www.apice.unibo.it/xwiki/bin/view/AOMIP/>

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Important Dates:

Sept. 8, 2009: Paper submissions
Oct. 19, 2009: Author notification
Nov. 2, 2009: Camera-Ready Copy

Scope

The aim of this track is the deeper investigations of Agent-Oriented Software Engineering (AOSE) methodologies, infrastructures and processes. The need of engineering new sorts of complex computational systems (like for example self-* systems) for new kinds of application scenarios (like pervasive systems) calls for new SE methodologies, frameworks, infrastructures, and processes. Agent-oriented systems are the most likely candidate to work as the sources for new metaphors, abstractions, technologies, and methods for the engineering of complex systems.

In this track we aim at discussing all the elements that influence the construction of complex computational systems as agent-oriented ones, by promoting the interplay between researchers in AOSE methodologies, agent-oriented frameworks and infrastructures, and AOSE processes, thus encouraging the development of the very notion of AOSE towards the most general and widest acceptance of the term.

TOPICS OF INTEREST

The list of most relevant topics includes, but it is not limited to:

- * Agent-Oriented Software Engineering
- * Methodologies for agent-oriented analysis and design
- * Infrastructures for multi-agent systems
- * Design of software development processes
- * Situational Method Engineering techniques for AOSE design processes
- * Relationships between MAS meta-models and their relative AOSE methodologies
- * Relationships between AOSE processes and the other traditional processes (e.g. OO)
- * Relationship between AOSE methodologies and Infrastructures processes
- * Meta-modelling techniques
- * Software development process models
- * Fragment definitions and descriptions
- * Integration of agent-oriented methodologies, infrastructures and processes
- * Approaches for AOSE methodologies: design patterns, components, and architectures
- * Supporting tools for AOSE methodologies/processes construction and enactment
- * Standardisation for AOSE methodologies and processes
- * Self-* approaches in AOSE methodologies and processes

Paper Publication

Authors are invited to submit original and unpublished papers. All papers will be fully refereed and undergo a blind review process by at least three referees. The conference proceedings will be published by ACM. Hence, all accepted papers should be submitted in ACM 2-column camera-ready format for publication in the symposium proceedings. Authors are allowed up to 8 pages according to the template, but more than 5 pages in the camera ready will be charged with 80USD per extra page. Paper submission should be in electronic format, via the website: eCMS site <http://sac.cs.iupui.edu/SAC2010/>