

FOCLASA 2010
9th International Workshop on the
Foundations of Coordination Languages and Software Architectures
<http://foclasa.lcc.uma.es/>
A Satellite Workshop of CONCUR 2010

Paris, France. September 4, 2010



Call For Papers

A number of hot research topics are currently sharing the common problem of combining concurrent, distributed, mobile and heterogenous components, trying to harness the intrinsic complexity of the resulting systems. These include coordination, peer-to-peer systems, grid computing, Web services, multi-agent systems, and component-based systems.

Coordination languages and software architectures are recognised as fundamental approaches to tackle this issue, improving software productivity, enhancing maintainability, advocating modularity, promoting reusability, and leading to systems more tractable and more amenable to verification and global analysis.

The goal of the FOCLASA workshop is to put together researchers and practitioners of the aforementioned fields, to share and identify common problems, and to devise general solutions in the contexts of coordination languages and software architectures.

Important Dates

Abstract submission: May 21st, 2010

Paper submission: May 28th, 2010

Notification: June 25th, 2010

Final version due: July 15th, 2010

Workshop: September 4th, 2010

Scope

Topics of interest include (but are not limited to):

- Theoretical models (coordination, component and service composition, concurrency, semantics, expressiveness)
- Specification, refinement, and analysis of software systems (architectures, patterns and styles, verification of functional and non-functional properties)
- Languages for interaction, coordination, architectures, and interface definition (implementation, interoperability, heterogeneity)
- Dynamic software architectures (mobile agents, self-organizing/adaptive/reconfigurable systems)
- Tools and environments for the development of applications.

In particular, practice, experience and methodologies from the following areas are solicited:

- Web Services and Business Processes
- Coordination and Composition of Services
- Multi-agent systems
- Peer-to-peer systems
- Grid computing
- Component- based systems
- Large-scale Distributed Systems

Submissions must describe authors' original research work and their results. Description of work-in-progress with concrete results is also encouraged. The contributions should not exceed 15 pages formatted according to the style of the Electronic Proceedings in Theoretical Computer Science (EPTCS), and should be submitted as Portable Document Format (PDF) files using the EasyChair submission site.

All submissions will be reviewed by an international program committee who will make a selection among the submissions based on the novelty, soundness and applicability of the presented ideas and results. Concurrent submission to other venues (conferences, workshops or journal) and submission of papers under consideration elsewhere are not allowed. The proceedings of the workshop will be published as a volume in the Electronic Proceedings in Theoretical Computer Science (EPTCS) series. Following the tradition of the past edition, a special issue of an international scientific journal will be devoted to FOCLASA 2010.

Invited Speaker

Maarten van Steen, Vrije Universiteit, Amsterdam, The Netherlands

Program Committee Chairs

- MohammadReza Mousavi
Eindhoven University of Technology, The Netherlands
- Gwen Salaün
Grenoble INP - INRIA Grenoble (Rhne-Alpes) - LIG, France