

FOCLASA 2011

The 10th International Workshop on the
Foundations of Coordination Languages and Software Architectures
<http://foclasa.lcc.uma.es/>
A Satellite Workshop of CONCUR 2011

Aachen, Germany. September 10, 2011



Call For Papers

Computation nowadays is becoming inherently concurrent, either because of characteristics of the hardware (with multicore processors becoming omnipresent) or due to the ubiquitous presence of distributed systems (incarnated in the Internet). Computational systems are therefore typically distributed, concurrent, mobile, and often involve composition of heterogeneous components.

To specify and reason about such systems and go beyond the functional correctness proofs, e.g., by supporting reusability and improving maintainability, approaches such as coordination languages and software architecture are recognised as fundamental.

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 context of coordination languages and software architectures.

Important Dates

Abstract submission: May 27th, 2011

Paper submission: June 3rd, 2011

Notification: July 4th, 2011

Final version due: July 18th, 2011

Workshop: September 10th, 2011

Scope

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

- Theoretical models (of coordination, of component composition, of open, concurrent, and distributed systems)
- Specification, refinement, and analysis of software systems (architectures, patterns and styles, verification of functional and non-functional properties via logics or types)
- Languages for interaction, coordination, architectures, and interface definition (syntax and semantics, implementation, usability, domain-specific languages)
- 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 as well:

- Service-Oriented computing
- Multi-agent systems
- Peer-to-peer systems
- Grid computing
- Component-based 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

Joe Armstrong, Ericsson, Sweden.

Program Committee Chairs

- MohammadReza Mousavi
Eindhoven University of Technology, The Netherlands
- António Ravara
New University of Lisbon, Portugal