FOCLASA 2013
12th International Workshop on Foundations of Coordination Languages and Self Adaptive Systems

FOCLASA 2013 is a workshop collocated with the European Conference on Service-Oriented and Cloud Computing (ESOCC 2013). The goal of the FOCLASA workshop is to put together researchers and practitioners to identify common problems, and to devise general solutions in the context of coordination languages and self-adaptive systems.

http://foclasa.lcc.uma.es
September 11, 2013, Malaga (Spain)
In conjunction with ESOCC 2013

Abstract submission	Notification
June 9th, 2013	July 14th, 2013
Paper submission	**Final version**
June 16th, 2013	July 25th, 2013

Topics of Interest

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

- Theoretical models and frameworks for component and service coordination, service composition, service adaptation and concurrent system modeling.
- Applications and usability studies for the aforementioned theoretical models, interaction and coordination challenges in various application domains.
- Languages and specification protocols for component and service interaction, their semantics, expressiveness, validation and verification, type checking, static and dynamic analysis.
- "Software as a service" models (e.g., cloud computing) and dynamic software architectures, such as self-adaptive and self-organizing systems.
- Tools and environments for the development of concurrent and customizable self- monitoring, self-adaptive and self-organizing applications.
- Algorithms, mathematical models and realization frameworks for quality-of-service observation, storage, history-based analysis in self-adaptive systems (queuing models, load balancing, fault- tolerance analysis, machine learning systems).

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

- Business process modeling
- Cloud computing
- Service-oriented computing
- Component-based systems
- Grid computing
- Large-scale distributed systems
- Multi-agent systems
- Peer-to-peer systems

Survey works analysing and comparing literature on the topics of FOCLASA are also welcome.

Invited Speakers

- To be announced

Paper Submission

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 and should be submitted as Portable Document Format (PDF) files using the EasyChair submission site:

- http://www.easychair.org/conferences/?conf=foclasa2013

Submitting an abstract does not put any obligation on the authors to submit a full paper. Abstracts without an accompanying full paper by the paper submission deadline are automatically considered withdrawn. The authors are, however, encouraged to explicitly withdraw their abstract, if they decide not to submit a full paper.

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. A printed version of the proceedings will be distributed among participants during the workshop. The proceedings of the workshop will be published as a separate volume or as part of joint ESSOC workshop proceedings. Participants will give a presentation of their papers in twenty minutes, followed by a ten-minute round of questions and discussion on participants' work. Following the tradition of the past editions, we plan to have a special issue of an international scientific journal devoted to FOCLASA 2013. Selected participants will be invited to submit an extended version of their papers after the workshop. These extended versions will be reviewed by an international program committee, which will decide on their final publication on the special issue. In the last few editions of FOCLASA, a special issue of Science of Computer Programming has been dedicated to this workshop.

Organisation

Program Committee Chairs

- Natallia Kokash, Leiden University, The Netherlands
  natallia.kokash@cwi.nl
- Javier Cámara Moreno, University of Coimbra, Portugal
  jcmoreno@dei.uc.pt

Program Committee

- Carlos Cuesta, Rey Juan Carlos University, Spain
- Holger Giese, University of Potsdam, Germany
- Ludovic Henrio, INRIA Sophia Antipolis, France
- Rogério de Lemos, University of Kent, UK
- Antónia Lopes, University of Lisbon, Portugal
- António Ravara, New University of Lisbon, Portugal
- Liliana Pasquale, University of Limerick, Ireland
- Pascal Poizat, University of Evry, France
- José Proença, Katholieke Universiteit Leuven, Belgium
- Bradley Schmerl, Carnegie Mellon University, USA
- Marjan Sirjani, Reykjavik University, Iceland
- Carolyn Talcott, SRI International, USA
- Francesco Tiezzi, IMT Lucca Institute for Advanced Studies, Italy
- Mirko Viroli, University of Bologna, Italy
- Uwe Zdun, University of Vienna, Austria
- Huibiao Zhu, East China Normal University, China
- Keijo Heljanko, Aalto University, Finland

Steering Committee

- Farhad Arbab, CWI, The Netherlands
- Antonio Brogi, University of Pisa, Italy
- Carlos Canal, University of Málaga, Spain
- Jean-Marie Jacquet, University of Namur, Belgium
- Ernesto Pimentel, University of Málaga, Spain
- Gwen Salaün, Grenoble INP - INRIA Grenoble - LIG, France

Publicity Chair

- José Antonio Martín, University of Málaga, Spain