



CALL FOR PAPERS SESOS 2013

International Workshop on Software Engineering for Systems-of-Systems

<http://sesos2013.icmc.usp.br/>

at ECSA/ECMFA/ECOOP 2013 - <http://www.lirmm.fr/ec-montpellier-2013/>
Montpellier, France

IMPORTANT DATES

Submission deadline: 29 April 2013

Notification: 17 May 2013

Camera-ready copy: 31 May 2013

Workshop date: 2 July 2013

WORKSHOP ORGANIZERS

Flavio Oquendo

IRISA – Univ. of South Brittany, France

flavio.oquendo@irisa.fr

Paris Avgeriou

University of Groningen, The Netherlands

Carlos E. Cuesta
Rey Juan Carlos University, Spain

Khalil Drira

LAAS-CNRS – University of Toulouse, France

Elisa Yumi Nakagawa

José Carlos Maldonado
University of São Paulo, Brazil

Andrea Zisman

City University London, UK

PROGRAM COMMITTEE

Mehmet Aksit, Univ. of Twente, The Netherlands

Thais Batista, Federal Univ. of Rio Grande do Norte - UFRN, Brazil

Martin Becker, Fraunhofer IESE, Germany

Isabelle Borne, IRISA - Univ. of South Brittany, France

Ivica Crnkovic, Mälardalen Univ., Sweden

Flavia Delicato, Federal Univ. of Rio de Janeiro - UFRJ, Brazil

Leticia Duboc, State Univ. of Rio de Janeiro - UERJ, Brazil

Laurence Duchien, Univ. Lille - INRIA, France

Cristina Gacek, City University London, UK

Holger Giese, Hasso Plattner Institute at the University of Potsdam, Germany

Itana Gimenes, State Univ. of Maringá, Brazil

Ian Gorton, SEI - CMU, USA

Volker Gruhn, Univ. of Duisburg-Essen, Germany

Wilhelm Hasselbring, Kiel Univ., Germany

Paola Inverardi, University of L'Aquila, Italy

Valerie Issarny, INRIA Paris, France

Rick Kazman, SEI and Univ. of Hawaii, USA

Philippe Kruchten, University of British Columbia, Canada

Emmanuel Letier, Univ. College London, UK

Grace Lewis, SEI - CMU, USA

Antónia Lopes, University of Lisbon, Portugal

Sam Malek, George Mason Univ., USA

Tomi Mannisto, University of Helsinki, Finland

Raffaella Mirandola, Politecnico Milano, Italy

Henry Muccini, Univ. of L'Aquila, Italy

Claudia Raibulet, Univ. Milano-Bicocca, Italy

Cecilia M. F. Rubira, Univ. of Campinas - UNICAMP, Brazil

Salah Sadou, IRISA - Univ. of South Brittany, France

Richard N. Taylor, Univ. of California, Irvine, USA

Claudia Maria Lima Werner, Federal Univ. of Rio de Janeiro - UFRJ, Brazil

Danny Weyns, Linnaeus Univ., Sweden

Uwe Zdun, Univ. of Vienna, Austria

Liming Zhu, NICTA & UNSW, Australia

SCOPE

Since the dawn of computing, the complexity of software and the criticality of systems reliant on software have grown at a staggering rate. In particular, software-intensive systems have been rapidly evolved from being stand-alone systems in the past, to being part of networked systems in the present, to becoming Systems-of-Systems (SoS) in the coming future.

This workshop will provide researchers and practitioners with a forum to exchange ideas and experiences, analyze research & development issues, discuss promising solutions, and propose inspiring visions for the future in the field of Software Engineering (SE) for Systems-of-Systems (SoS). The aim of this first edition is to set up a research agenda and lay the foundations for future developments in the SE for SoS.

TOPICS

The workshop focuses on theory and practice of how Software Engineering should be explored to construct software-intensive SoS.

In this first edition, it will address open issues and emergent approaches related to the:

- *software architecture of SoS,*
- *model-based engineering of SoS,*
- *implementation of SoS.*

Topics to be addressed are (but not limited to):

- **SoS Analysis & Architecture**
 - Requirements engineering
 - Architectural description
 - Architectural evaluation
 - Architectural evolution
- **SoS Model-Based Engineering**
 - Modeling and simulation
 - Model driven engineering
 - Models at runtime
- **SoS Construction and Evolution**
 - Techniques and technologies for SoS
 - Service-orientation for SoS
 - Component framework for SoS
 - Evolutionary development
- **Experience**
 - Industrial perspectives of SoS
 - Successful case studies in SoS

General Issues

- Characteristics of SoS
- Quality in SoS
- SoS development processes and project management
- Acquisition in the development of SoS
- Verification and validation of SoS
- Other supporting activities to develop SoS, such as documentation and configuration management

Future perspective, challenges, and directions of SoS research and/or development

SUBMISSION

Two types of submissions are invited:

- Regular paper (up to eight pages): It must present contributions from both academy and industry; and
- Position paper (up to four pages): It must present new ideas, positions, or perspectives of research.

All papers submitted to the workshop must be unpublished original work and must not be simultaneously under review or submitted elsewhere. All papers will be judged on the basis of their clarity, relevance, originality, and contribution.

All submissions must be in English, formatted according to the ACM SIG Proceedings Style (2-column) and submitted in either PDF or Postscript format through online upload to the workshop submission website at: <http://sesos2013.icmc.usp.br/>

PUBLICATION OF PAPERS

The accepted papers will be published in the SESOS Proceedings in the:

ACM Digital Library
ISBN 978-1-4503-2048-1



SESOS 2013 is technically co-sponsored by ACM SIGSOFT and ACM SIGPLAN

