



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

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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:

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