2011 IEEE International Workshop on the Maintenance and Evolution of Service-Oriented and Cloud-Based Systems (MESOCA 2011)

Co-located with the 27th IEEE International Conference on Software Maintenance (ICSM 2011)
Monday, September 26, 2011 – Williamsburg, VA USA
http://www.sei.cmu.edu/workshops/mesoca/2011/

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Important Dates
Submission Deadline: May 14, 2011
Acceptance Notification: Jun. 22, 2011
Camera-Ready Version: Jul. 18, 2011
Workshop: Sep. 26, 2011

There are many successful case studies of SOA adoption, mainly in commercial enterprises. What Gartner terms the “period of enlightenment” for emerging technologies is represented by an increased recognition of service-orientation as a mindset for architecting, implementing and deploying services that add value to an organization, instead of simply a set of technologies. Even with this positive change, there are still two concerns from a maintenance and evolution perspective: (1) deployed service-oriented systems will have to be maintained and evolved over time and (2) legacy systems will continue to use service-orientation to make their legacy functionality available to other systems and applications.

Cloud Computing is emerging as a new model for system development and deployment, in which systems are hosted, run and managed in large server farms and data centers, and provided as a service. The lack of control over these external resources creates additional challenges for systems migrating to these environments.

The main goal of MESOCA 2011 is to create a focal point and an ongoing forum for researchers and practitioners to share results and open issues in the area of maintenance and evolution of service-oriented and cloud-based systems. MESOCA has its roots in MESOA – the workshop on maintenance and evolution of service-oriented systems - that has been co-located with ICSM for the past four years and explored topics such as reengineering processes, program comprehension techniques, evolution patterns, transition patterns and runtime monitoring. Now, given the increased adoption of cloud computing, the workshop is expanding to address challenges in systems migration to cloud environments.

We are looking for contributions in areas such as:

- Tools, techniques and method to support migration to service-oriented and cloud environments
- Evolution patterns of service-oriented and cloud-based systems
- Transition patterns to service-oriented and cloud environments
- Governance to support system evolution in service-oriented and cloud environments
- Leverage of service-orientation best practices in cloud environments
- Case studies of migration to service-oriented and cloud environments

The submission and review process will be done using EasyChair (https://www.easychair.org/conferences/?conf=mesoca2011). The maximum length for papers is 10 pages. All papers must be formatted using the guidelines posted on the workshop web site. Submissions are due no later than May 14, 2011. Accepted papers will be published in the IEEE Digital Library.