Adaptive Service-Oriented and Cloud Applications
ASOCA: Second Workshop on Adaptive Service-Oriented and Cloud Applications

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Introduction

The ASOCA 2017 workshop was held in conjunction with the 15th International Conference on Service Oriented Computing (ICSOC 2017) on November 13–16, 2017 in Málaga, Spain. This workshop was focused on the adaptation and reconfiguration issues of the Service-oriented and cloud applications and architectures. It was interesting to see different distributed and centralized approaches on how reconfigurable SOA can repair itself when different execution problems occurs or on monitoring software systems for decision making. Moreover, different technologies were discussed for ensuring non-functional requirements and for the management of different autonomic properties. Some of these works were applied to distributed systems, Cyber-Physical Systems, Internet of Things and Cloud environments. We received 13 submissions, out of which 8 were accepted:

– Verification of the Consistency of Time-aware Cyber-Physical Processes.
– A BRS Based Approach for Modeling Elastic Cloud Systems.
– Model checking of cost-effective elasticity strategies in Cloud computing.
– Detecting customer queue “at-risk” behaviors based on ethograms to minimize overall service dissatisfaction.
– An end-to-end security model for Adaptive Service-oriented applications.
– Runtime Migration of Applications in a Trans-Cloud Environment.

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Workshop Organization

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