

Workshop/Session Title: Formal Verification of Service Based Systems

Workshop/Session Aim: The goal of this session is to bring together researchers and developers from industry and the academic world to report on the latest scientific and technical advances of formal verification of software architecture. Different investigation topics are involved, such as: Service Oriented Architecture (SOA); Service Component Architecture (SCA); Business Process Management (BPM); Software analysis and model checking, Software process and workflow; Software validation and verification; Software testing and testing tools; Dynamic composition; Cloud Computing.

This session will have a focus on important and immediate issues that are significantly influencing all aspects of service, formal modeling of service based systems and cloud services. Topics of interest include, but are not limited to:

- Service oriented architecture, SOA migration and governance checking
- Service-oriented and component-based software applications and architectures modeling verification
- Service based software applications checking
- Formal Web services composition checking
- Formal Tools and technologies for Web Services development, deployment and management
- Impact of formal methods on Web Services and SOA and service component base applications
- Formal verification of service and component based system approaches for dynamic composition
- Model-Driven Engineering (MDE) and SOA
- Modeling and Meta-modeling and SOA based applications
- Scheduling and Resource Management
- Storage and I/O
- Security, Privacy and Reliability
- Cloud-Based Collaborative Services,
- Mobile Cloud Computing

Workshop/Session Committee:

Aladin Ben Salem, ISIMM, Monastir University, Tunisia

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Note: Number of papers/posters should be at least 7 for each Workshop/Session.