CALL FOR PAPERS

Service-Oriented Computing (SOC) exploits services as the fundamental elements for developing computer-based systems, and represents a paradigm shift away from traditional distributed systems. Conceptually well-founded and, at the same time, practical approaches supporting the whole range of engineering service-oriented systems are still missing in almost all non-basic areas. To put a new focus on some of these important aspects of SOC, the main themes of the 9th IEEE SOSE symposium are:

Methods, Languages and Tools for process-based SOC systems engineering
Advanced models and infrastructures in Service-oriented engineering

Continuing the tradition of the last eight SOSE Symposia, the 9th SOSE will provide a forum for researchers and practitioners to exchange latest observations, insights, achievements and visions in Service-Oriented System Engineering. Particularly, SOSE 2015 invites original submissions in all areas of process and system engineering, as well as software engineering methods, techniques, tools, applications, and experiments for service-oriented systems and software services.

A. Regular Research Papers

Track I: Methods, Languages & Tools for process-based SOC systems engineering

- Business process integration, alignment & management in SOAs
- Bridging the gap between business processes and SOC implementations
- Methods, languages & tools for building process-based SOC systems
- Modeling and simulation of service-oriented systems
- Integration of services into process-based environments
- Service interoperability, compositibility, quality, reliability
- Metrics and measurement of services, QoS, and QoE
- Runtime verification, validation, monitoring
- Testing on-the-fly and policy enforcement
- Dynamic service delivery, deployment and evolution
- Service mobility, scalability, elasticity, and security
- Operation and governance for large-scale service-oriented systems
- Adaptation, control and optimization in service-oriented systems
- Modernization, migration, and serviceization of legacy systems
- Service-oriented system engineering for large-scale analytics
- Social and collaborative engineering of services systems
- Service-oriented engineering of emergent systems
- Service-oriented engineering and clouds

B. Industry Practice/Case Study Papers

- Enterprise business architecture and solution frameworks
- Platforms and tools for system and software engineering
- Case studies, experiments and evaluation of service-oriented system
- Innovative service applications and experiences

C. Survey and Emerging Subjects Tutorial Papers

SOSE 2015 invites tutorial papers which review the state-of-the-art of the research on services engineering as well as related emerging paradigms and technologies. These papers should summarize the recent research advance in service engineering from different perspectives, identify the open issues and future trends and challenges in the field.

SOSE 2015 also encourages discussion papers which target at the visions on future related issues, including the emerging paradigms, technologies and applications.

Important dates and page limits

<table>
<thead>
<tr>
<th>Event</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission deadline</td>
<td>16th November 2014</td>
</tr>
<tr>
<td>Review notification</td>
<td>21st December 2014</td>
</tr>
<tr>
<td>Camera ready and registration deadline</td>
<td>19th January 2015</td>
</tr>
<tr>
<td>Research paper limit</td>
<td>8 pages</td>
</tr>
<tr>
<td>Industrial practice / case study limit</td>
<td>6 pages</td>
</tr>
<tr>
<td>Survey-based tutorial limit</td>
<td>8 pages</td>
</tr>
</tbody>
</table>

Publication

All accepted papers will be included in the symposium proceedings, to be published by IEEE Computer Society Press and included in the IEEE Digital Library. At least one author of each accepted paper must attend the symposium to present the work. We plan to publish a special journal issue for the extended and revised versions of selected best papers presented at the symposium. One paper will be given the SOSE 2015 Best Paper Award at the conference.

WEBSITE: SOSE2015.com

Track II: Advanced models and infrastructures in SOC engineering

- Requirement modeling of services
- Semantic-enabled process and service engineering
- Model-driven development of service-oriented systems
- End-user development and mashup of software services
- Lifecycle models, reusability, and scalability for services
- Web services for Web/Internet of Things
- Coordination and cooperation of services
- Efficient scheduling of services
- Engineering service-based cyber-physical systems
- Services infrastructure for big data
- Services infrastructure for virtualisation
- Dependable services engineering
- Service engineering in embedded systems
- Application of SOC in sensor networks
- Mobile cloud services and SOC

9TH IEEE INTERNATIONAL SYMPOSIUM ON SERVICE-ORIENTED SYSTEM ENGINEERING