Call for Papers

ICSOC 2017 - The 15th International Conference on Service-Oriented Computing

ICSOC, the International Conference on Service-Oriented Computing, is the premier international forum for academics, industry researchers, developers, and practitioners to report and share groundbreaking work in service-oriented computing. ICSOC fosters cross-community scientific excellence by gathering experts from various disciplines, such as business-process management, distributed systems, computer networks, wireless and mobile computing, cloud computing, cyber-physical systems, networking, scientific workflows, services science, data science, management science, and software engineering.

ICSOC 2017, the 15th event in this series, will take place in Málaga, Spain, on 13-16 November 2017. Following on the ICSOC tradition, it will feature visionary keynote presentations, research and industry presentations, workshops, tool demonstrations, tutorials, and a PhD track.

Topics of Interest

ICSOC 2017 seeks outstanding, original contributions, including theoretical and empirical evaluations, as well as practical and industrial experiences, with emphasis on results that solve open research problems and have significant impact on the field of service-oriented computing.

Specific topics of interest include but are not limited to:

- Service Engineering
  - Legacy systems migration and modernization
  - Service design, specification, discovery, customization, composition, and deployment
  - Service change management
  - Service innovation
  - Theoretical foundations of Service Engineering
- Run-time Service Operations and Management
  - Service execution middleware
  - Service monitoring and adaptive management
  - Quality of service
  - Security, privacy, and trust
  - Service governance
  - Architectures for multi-host container deployments
  - Microservices deployment and management
- Services and Data
  - Services for Big Data
  - Service for computing-intensive applications
  - Mining and analytics
  - Data-provisioning services
  - Data Quality and Profiling Services
  - Services related linked open data
- Services on the Cloud
  - Migration to virtual infrastructures

- XaaS (everything as a service including IaaS, PaaS, and SaaS)
          - Service deployment and orchestration in the Cloud
          - Cloud service management
          - Cloud workflow management
          - Cloud brokers and coordination across multiple resource managers
          - Edge computing vs Cloud computing
  - Services in the Internet of Things
    - Embedded and real-time services
    - RFID, sensor data and services related to the Internet of Things
    - Services for IoT applications
    - Services oriented protocols for IoT applications
    - REST APIs and services for IoT applications
  - Services in organizations, business and society
    - Services science
    - Social networks and services
    - Cost and pricing of services
    - Service marketplaces and ecosystems
    - Service business models
    - Enterprise architecture and services

Paper Submission

The conference solicits outstanding original research and practice papers on all aspects of service-oriented computing. Papers should clearly demonstrate the research or practical contribution, the relevance to the field, and the relationship to prior work. Submitted papers will be evaluated according to their rigor, significance, originality, technical quality, and exposition. All papers will be reviewed by at least three members of the program committee.

Papers should be formatted according to Springer's LNCS formatting guidelines (see http://www.springer.com/computer/lncs/lncs+authors?SGWID=0-40209-0-0-0). Submissions must be in English and not to exceed 15 pages including all references and figures. All papers must be submitted electronically in PDF to the conference submission system (https://www.conftool.com/icsoc2017).

For each accepted paper, at least one author must attend the conference and present the paper. The deadline for identifying and registering this individual will be at the time when the camera-ready version is submitted.

Best Paper Award

The Best Paper Award will be given to the paper that the Program Committee judges to be the best in quality, execution and impact among all the accepted papers in the conference.

Important Dates

- Abstract & full paper due: June 6, 2017
- Notification to authors: July 25, 2017
- Camera-ready papers due: August 8, 2017
- Author registration due: August 8, 2017
- Early registration due: September 24, 2017
- Conference dates: November 13-16, 2017

Proceedings

All accepted papers will be included in the conference proceedings published by Springer Verlag in the Lecture Notes in Computer Science (LNCS) series.

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