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Service-Oriented Computing – ICSOC 2017 Workshops

ASOCA, ISyCC, WESOACS, and Satellite Events
Málaga, Spain, November 13–16, 2017
Revised Selected Papers

Springer

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Preface

This volume presents the proceedings of the scientific satellite events that were held in conjunction with the 2017 International Conference on Service-Oriented Computing, which took place in Málaga, Spain, November 13–16, 2017. Since the first edition in Trento in 2003, ICSOC has become a leading conference in the rapidly evolving areas of service research.

The satellite events provide venues for specialist groups to meet, to generate focused discussions on specific sub-areas within service-oriented computing, and to engage in community-building activities. These events helped significantly enrich the main conference by both expanding the scope of research topics and attracting participants from a wider community. The selected scientific satellite events were organized around three main tracks, including a workshop track, a PhD symposium track, and a demonstration track.

The interest in the ICSOCs 2017 workshop track was high and from eight workshop proposals three were finally selected. The workshop track included a wide range of topics that fall into the general area of service computing. A special focus this year was on cloud computing and the Internet of Things, also reflected in the titles of workshops. These technology trends in combination with novel application domains led to inspiring research results.

- ASOCA 2017: the Second Workshop on Adaptive Service-Oriented and Cloud Applications
- ISyCC 2017: the Second Workshop on IoT Systems Provisioning and Management for Context-Aware Smart Cities
- WESOACS 2017: the 13th International Workshop on Engineering Service-Oriented Applications and Cloud Services.

The workshops were held on November 13, 2017. Each workshop had its own chairs and Program Committee who were responsible for the selection of papers. The overall organization for the workshop program, including the selection of the workshop proposals, was carried out by Lars Braubach and Juan M. Murillo. The ICSOC PhD Symposium is an international forum for PhD students to present, share, and discuss their research in a constructive and critical atmosphere. It also provides students with fruitful feedback and advice on their research approach and thesis. The PhD Symposium Track was chaired by Loli Burgeño and Naouel Moha.

The ICSOC Demonstration Track offers an exciting and highly interactive way to show research prototypes/work in service-oriented computing (SOC) and related areas. The Demonstration Track was chaired by Nima Kaviani and Manuel Lama.

We would like to thank the workshop, PhD symposium, and demonstration authors, as well as keynote speakers and workshop Organizing Committees, who together contributed to this important aspect of the conference.

We hope that these proceedings will serve as a valuable reference for researchers and practitioners working in the SOC domain and its emerging applications.

January 2018

Lars Braubach
Juan M. Murillo
Nima Kaviani
Manuel Lama
Loli Burgueño
Naouel Moha
Marc Oriol

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Workshop on Adaptive Service-Oriented and Cloud Applications

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Khalil Drira	LAAS-CNRS and University of Toulouse, France

Workshop on IoT Systems Provisioning and Management for Context-Aware Smart Cities

Sami Yangui	Concordia University, Montreal, Canada
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Javier Berrocal	University of Extremadura, Spain
Luca Foschini	University of Bologna, Italy

Workshop on Engineering Service-Oriented Applications and Cloud Services

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Guadalupe Ortiz	University of Cadiz, Spain
Christian Zirpins	Karlsruhe University of Applied Sciences, Germany

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