Seventh International Workshop on Engineering Service-Oriented Applications (WESOA 2011)

George Feuerlicht[1,2], Howard Foster[3], Winfried Lamersdorf[4],
Guadalupe Ortiz[5], and Christian Zirpins[6]

[1] Prague University of Economics
jirif@vse.cz
[2] University of Technology, Sydney
george.feuerlicht@uts.edu.au
[3] City University London
Howard.Foster.1@city.ac.uk
[4] University of Hamburg
lamersdorf@informatik.unihamburg.de
[5] University of Cádiz
guadalupe.ortiz@uca.es
[6] SEEBURGER AG
c.zirpins@seeburger.de

1   Introduction

Rapidly expanding applications of software services, in particular in the context of cloud computing, demand close collaboration of research community and industry practitioners in the development of comprehensive and reliable methodologies and tools that support the entire service systems development lifecycle (SDLC). Development of service-oriented applications presents specific challenges as such applications tend to be process-driven, loosely-coupled, and composed from autonomous services supported by diverse systems. Service-oriented applications typically need to provide multiple, flexible and sometimes situational interaction channels within and beyond organizational structures and processes. Engineering of such software systems requires collaborative and cross-disciplinary development processes, methodologies and tools capable of addressing multiple SDLCs of various service artifacts. There is an urgent need for research community and industry practitioners to agree on comprehensive engineering principles, methodologies and develop tools to support for the entire SDLC of service-oriented applications.

WESOA'11 was the seventh workshop in a series organized in association with the International Conference on Service Oriented Computing (ICSOC). The workshop provides an annual forum for researchers and practitioners in the area of service engineering to exchange ideas and to contribute to evolution of this important field of research. WESOA'11 was held in Paphos, Cyprus on December 5, 2011. We have received sixteen paper submissions for the workshop. Each paper was reviewed by at least three members of the international program committee ensuring high quality of contributions. The workshop started with a keynote presentation by Howard Foster of City University London on Safety, *Certification and Compliance of Software Services*. Thereafter, the technical sessions consisted of eight high-quality papers

representing a rich variety of topics ranging from strategic alignment of business processes to papers discussing service composition, service life-cycle issues, and application of principles and methods of service engineering.

The sessions included presentations by Evan Morrison on *Strategic Alignment of Business Processes*, Cedric Tedeschi on *Decentralized Workflow Coordination through Molecular Composition,* Dominik Meilaender on *Using a Lifecycle Model for Developing and Executing Real-Time Online Applications on Clouds,* Maryam Razavian on *A Pragmatic Approach for Analysis and Design of Service Inventories,* Niels Lohmann*,* on *Artifact-centric modeling using BPMN*, Kristof Hamann on *Migratability of BPMN 2.0 Process Instances,* Casandra Holotescu on *Asynchronous Learning for Service Composition,* and Peter Bartalos on *Engineering Energy-Aware Web Services Toward Dynamically-Green Computing*.

2   Workshop Co-organizers

- Howard Foster, City University London, United Kingdom (Invited PC Co-Chair)
- George Feuerlicht, Prague University of Economics, Czech Republic
- Winfried Lamersdorf, University of Hamburg, Germany
- Guadalupe Ortiz, University of Cádiz, Spain
- Christian Zirpins, SEEBURGER AG, Germany

3   Program Committee

Sudhir Agarwal, KIT Karlsruhe	Mark Little, Redhat
Marco Aiello, University of Groningen	Heiko Ludwig, IBM Research
Sami Bhiri, DERI Galway	Michael Maximilien, IBM Almaden Research
Alena Buchalcevova, Prague University of Economics	Massimo Mecella, Univ. Roma LA SAPIENZA
Javier Cámara Moreno, University of Coimbra	Daniel Moldt, University of Hamburg
Robert Castaneda, CustomWare	Martin Molhanec, Czech Technical University
Anis Charfi, SAP Research CEC Darmstadt	Rebecca Parsons, ThoughtWorks
Jen-Yao Chung, IBM T.J. WatsonResearch	Cesare Pautasso, Universitz of Lugano
Vincenzo D'andrea, University of Trento	Greg Pavlik, Oracle
Florian Daniel, University of Trento,	Pierluigi Plebani, Politecnico di Milano
Keith Duddy, Queensland University of Technology	Franco Raimondi, University College London
Schahram Dustdar, TU Vienna	Wolfgang Reisig, Humboldt-University Berlin
José Luiz Fiadeiro, University of Leicester	Karel Richta, Charles University
Paul Greenfield, CSIRO	Norbert Ritter, University of Hamburg
Birgit Hofreiter, Hochschule Lichtenstein	Nelly Schuster, FZI Forschungszentrum Informatik
Dimka Karastoyanova, University of Stuttgart	Gianluigi Viscusi, Milan Bicocca
Rannia Khalaf, IBM T.J. Watson Research	Olaf Zimmermann, IBM Research Zürich