Third International Workshop on Engineering Service-Oriented Applications: Analysis, Design & Composition

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1   Workshop Goals and Contents

Wide adoption of SOA (Service-Oriented Architecture) by the industry and the growing number of large-scale Web Services projects have created an urgent need for research community and industry practitioners to develop comprehensive methodologies that support the entire SDLC (Software Development Lifecycle) of service-oriented applications. To ensure that resulting services are stable, reusable and extendable, such methodologies must be based on sound engineering principles and guide developers through the analysis, design, implementation and deployment phases of the service-oriented SDLC.

The 2007 Workshop on Engineering Service Oriented Applications (WESOA'07) specifically focused on early phases of the service-oriented SDLC. The workshop provided a forum for in-depth discussion of issues related to service-oriented analysis and design of reusable service components and their composition into service-oriented applications based on sound software engineering principles. While service-oriented domain analysis focuses on identifying business rules and processes, the service design stage needs to consider reusability and composability of services, as these factors are key determinants of software development productivity and maintainability.

Service-oriented analysis, design and composition are independent areas of research that clearly show a potential for unification of approaches, promising considerable synergies. The WESOA'07 workshop aimed to facilitate exchange of ideas on these topics between university and industry-based researchers as well as SOA practitioners, seeking a multidisciplinary perspective to address the challenges of service analysis, design and composition in the context of various domains.

Our call for papers led to 20 submissions. Each paper was reviewed by at least three reviewers, resulting in acceptance of 9 high-quality papers. These papers represent a rich variety of topics revolving around analysis, design, composition and

management of services. A number of authors tackled SOA management both from a *self-perspective* (Foster et al.) and with respect to *policies* (Gorton et al.). A majority (5 papers) dealt with service composition. Two papers focused on *choreography configuration and matching of services* (Pfitzner et al. and Baldoni et al, respectively). Three papers focused on *semantic composition* (Chan et al.), *BPEL extension* (Khalaf et al.) and *service selection* (Petersen et al.). Finally, two papers addressed tools support, dealing with *semantic model transformation* (Brogi et al.) and *design of mobile services* (Riva et al.).

The workshop was greatly enhanced by the keynote of Prof. Dr. Marco Aiello, in which he explored the potentials of service-oriented software technology to reduce the amount of classical programming tasks in the SDLC. This and all other workshop presentations were followed by vigorous discussions among authors and attendees.

2   Workshop Organisation

WESOA'07 was organised by an international group of researchers comprising the authors of this article. The event would not have been possible without the invaluable contribution of the international program committee. We would therefore like to thank the program committee members that include the following experts:

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