

Introduction to the Proceedings of the 9th International Workshop on Semantic Web Enabled Software Engineering (SWESE) 2013

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Preface

The 9th international workshop on *Semantic Web Enabled Software Engineering (SWESE)* has been held in conjunction with the 11th International Conference on Service Oriented Computing (ICSOC 2013) in Berlin, Germany. This workshop builds on prior events and have begun to explore and evaluate the potential of Semantic Web technologies in software, system and service engineering. Semantic Web technologies provide understandable modeling formalisms and tractable reasoning services with widely established tool support. In this workshop series, we are interested in applying Semantic Web technologies to support, improve and ease both the process and product of software and service development.

The advent of the World Wide Web has led many corporations to web-enable their business applications and to adopt web service standard in systems and platforms. However, as a next step, it is expected that technologies and methods from the Semantic Web research will provide various benefits to software and service engineering. Over the past years, there have been several attempts to bring together languages and tools, such as the Unified Modeling Language (UML), developed for software engineering, with Semantic Web languages such as RDF and OWL. The Semantic Web Best Practice and Deployment Working Group (SWBPD) in W3C included a Software Engineering Task Force (SETF) to investigate potential benefits.

The SWESE 2013 workshop has been a successful event in terms of high quality presentations, valuable and constructive discussions, and interesting and novel research papers. The workshop was started with a retrospection on related research and research questions that have been addressed in the European project MOST (Marrying Ontologies and Software Technologies), presented by the workshop organizers. Thereafter, novel research results on Semantic Web technologies in software and service engineering has been shown. Several papers addressed (Web) service discovery, composition and matchmaking. A new approach for Web service composition based on fluent calculus has been discussed. Another approach uses OWL-S in a multi-agent system for

service matchmaking and planning. Another area of the workshop was variability management in ontologies. Ontologies for data models, domain models and population of domain models has been extensively discusses and the presented research results outlined interesting solutions to contemporary software and service engineering problems.

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The SWESE 2013 organizers