Message from the ICSC 2012 Workshop Co-Chairs

Welcome to the proceedings containing the papers from two workshops selected for presentation at the Sixth IEEE International Conference on Semantic Computing (ICSC 2012) in Palermo, Italy, September 19–21, 2012. All of these papers focus on some specific topics of the main conference.

First International Workshop on Data Quality Management and Semantic Technologies (DQMST)

This workshop seeks to bring together the research communities in the Semantic Web and data quality to identify new innovative possibilities for addressing data quality issues with semantic technologies. The development of semantic technologies makes it possible to publish a huge amount of data on the Semantic Web, but one of the key challenges is the management of data quality in the Semantic Web such as missing or false RDF data. On one hand, it becomes critical to investigate data quality issues in the context of the Semantic Web so that the level of trust in the Semantic Web data can be enhanced. On the other hand, semantic technologies may provide new solution options for data quality management. Therefore, this workshop aims to provide a platform for the research community to discuss approaches, models, results, case studies, best practices, evaluation techniques, and implementation tools that are related to data quality management within the Semantic Web.

First Workshop on Distributional Data Semantics (DiDaS 2012)

This workshop aims at bringing together the researchers in distributional semantics and those research areas that can strongly benefit from distributional models of meaning to bridge the existing gap between them. Efficient means have been critical for coping with current limitations of information systems since they can capture and represent computational semantics of the data. Current research activities on distributional semantics have been on theoretical and empirical aspects of distributional semantic models with most of the progress made by the natural language processing community, but there is a high demand for robust and comprehensive computational models of meaning in the areas of databases, information retrieval, Semantic Web, artificial intelligence, and human/computer interactions, among others. Therefore, this workshop targets the exploration of both the applied and theoretical aspects of these cross-disciplinary interactions and the opportunities for leveraging robust semantic models in these fields.

We hope these proceedings will serve as a valuable reference for the semantic computing research community. We wish to thank all of the organizers of these workshops and their Program Committee members and external reviewers for their great work. Finally, we would like to express our gratitude toward the ICSC 2012 organizers.

Shu-Ching Chen, *Florida International University, USA*
Claudia D'Amato, *University of Bari, Italy*
Nicola Fanizzi, *University of Bari, Italy*

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