Preface

This volume contains the papers presented at JIST 2015: The 5th Joint International Semantic Technology Conference held during November 11–13, 2015, in Yichang, China. JIST 2015 was co-hosted by Wuhan University of Science and Technology and China Three Gorges University, Computer Technology Center (NECTEC). JIST is a regional federation of semantic technology-related conferences. It attracts many participants from mainly the Asia region and often Europe and the USA. The mission of JIST is to bring together researchers in semantic technology research and other areas of semantic-related technologies to present their innovative research results or novel applications of semantic technologies.

The main topics of the conference include semantic technologies such as the Semantic Web, social web, ontology, reasoning, linked data, knowledge graph, among others. The theme of the JIST 2015 conference was "Big Data and Social Media." JIST 2015 consisted of main technical tracks including two keynotes and two invited talks, a regular technical paper track (full and short papers), an in-use track, a poster and demo session, a workshop, and a tutorial. There were a total of 43 submissions for the regular paper track and six papers for the in-use track from 15 countries, which included Asian, European, African, North American, and South American countries. Most papers were reviewed by three reviewers and the results were rigorously discussed by the program chairs. In all, 14 full papers (33 %) and seven short paper were accepted in the regular track. While two full papers (33 %) and one short paper were accepted in the in-use track.

The paper topics are divided into eight categories: ontology and reasoning, linked data, learning and discovery, RDF and query, knowledge graph, knowledge integration, query and recommendation, and applications of semantic technologies.

We would like to thank the JIST Steering Committee, Organizing Committee, and Program Committee for their significant contributions. We would also like to especially thank the co-hosts and sponsors for their support in making JIST 2015 a successful and memorable event. Finally, we would like to express our appreciation to all speakers and participants of JIST 2015. This book is an outcome of their contributions.

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