

Preface

This volume contains the papers presented at JIST 2014: The 4th Joint International Semantic Technology Conference held during November 9–11, 2014 in Chiang Mai, Thailand. JIST 2014 was co-hosted by National Electronics and Computer Technology Center (NECTEC), Chiang Mai University, Sirindhorn International Institute of Technology (SIIT), Thailand, and Korea Institute of Science and Technology Information (KISTI), Korea. JIST is one of the leading conferences in its field in the Asia region with high participation from Japan, Korea, and China. It often attracts many participants from Europe and USA. The main topics of the conference include Semantic Technologies such as Semantic Web, Social Web, Linked Data, and so on.

The theme of the JIST 2014 conference was “Open Data and Semantic Technology.” JIST 2014 conference consisted of main technical tracks including regular paper track (full and short papers), in-use track and special track, poster and demo session, two workshops, and four tutorials. There were a total of 71 submissions for the regular paper track from 19 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. Twenty full papers (29%) and 12 short, in-use track and special track papers (17%) were accepted. The paper topics are divided into eight categories: Ontology and Reasoning (7 papers), Linked Data (7 papers), Learning and Discovery (3 papers), RDF and SPARQL (3 papers), Ontological Engineering (3 papers), Semantic Social Web (3 papers), Search and Querying (3 papers), and Applications of Semantic Technology (3 papers).

We would like to thank the JIST Steering Committee, Organizing Committee, and Program Committee for their significant contributions. We also would like to specially thank the co-hosts and sponsors for their support in making JIST 2014 a successful and memorable event. Finally, we would like to express our appreciation to all speakers and participants of JIST 2014. This book is an outcome of their contributions.

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Thepchai Supnithi
Takahira Yamaguchi
Jeff Z. Pan
Vilas Wuwongse
Marut Buranarach

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Papers

Supnithi, T.; Yamaguchi, T.; Pan, J.Z.; Wuwongse, V.;
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