

Preface

These are the proceedings of the 7th Joint International Semantic Technology Conference (JIST) that took place at the Gold Coast in Australia during November 10–12, 2017. This conference series is dedicated to applications of semantic technologies, theoretical results, new algorithms, and tools to facilitate the adoption of semantic technologies.

In response to the call for papers, this edition of JIST received more than 40 submissions from ten different countries to the research track, in-use track, and the special track on “Semantic Processing for Knowledge Graphs”. The submissions were assessed by an international Program Committee (PC) with members from 19 countries. Each paper received at least three reviews. The papers accepted for presentation at the JIST conference are mainly from Asia, Europe and, as one would expect, from the hosting country Australia. The set of accepted papers is an interesting mix of contributions from long-standing semantic technology groups and some newcomer groups.

As is customary for the JIST conference series, there were awards for the best paper and the best student paper. The award winners of this year were selected based on the reviews supplied by the PC members. The paper chosen for the best paper award was “Refinement-Based Closed-World OWL Class Induction with Optimistic Bounded Convex Measures” by David Ratcliffe and Kerry Taylor, both from the Australian National University. The paper chosen for the best student paper award was “Preliminary Results on the Identity Problem in Description Logic Ontologies” by Franz Baader, Adrian Nuradiansyah, and Daniel Borchmann, all from Dresden University of Technology.

We are indebted to many people who made this event possible. We would like to thank the members of the PC and their appointed reviewers for having contributed to JIST by means of their reviews and their lively discussions about the submissions. This committee’s competence and effort are expedient to making conferences like this year’s JIST a success. In particular we would like to thank the following reviewers who supplied emergency reviews for some of JIST submissions: Sebastian Binnewies, Pouya Ghiasnezhad Omran, Peng Xiao, and Zhiqiang Zhuang all from Griffith University and Stefan Borgwardt, Andreas Ecke, Patrick Koopmann, and Benjamin Zarriß all from Dresden University of Technology. We would also like to thank Griffith University for supporting JIST and the team of local organizers for setting up such a diverse event.

The continuing success of the Joint International Semantic Technologies conference means that planning can now proceed with confidence for the next event to be held in this conference series in 2018.

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