

Preface

Common benchmarks, established evaluation procedures, comparable tasks, and public datasets are vital to ensure reproducible, evaluable, and comparable scientific results. To assess the current state of the art and foster the systematic comparison of contributions to the Semantic Web community, open challenges are now a key scientific event of the Semantic Web conferences. After last year's success, we organized the second edition of the "Semantic Web Evaluation Challenge" as an official track of the ESWC 2015 conference (held in Portorož, Slovenia, from May 31 to June 4 2015), one of the most important international scientific events for the Semantic Web research community. The purpose of challenges is to showcase the maturity of the state of the art in tasks common to the Semantic Web community and adjacent academic communities, in a controlled setting of rigorous evaluation. In particular, this second edition focused on four areas: Open Knowledge Extraction (OKE-2015), Semantic Publishing (SemPub2015), Concept-Level Sentiment Analysis (CLSA-2015), and Schema-Agnostic Queries over Linked Data (SAQ-2015). A total of 19 teams were accepted to compete in different challenges (four participants for OKE-2015, nine for SemPub2015, four for CLSA-2015, and two for SAQ-2015). The event attracted several attendees, many of whom came to the conference specifically to attend the challenge, indicating that Semantic Web Evaluation Challenges were much welcomed by the community and brought added value to the conference.

This book includes the descriptions of all methods and tools that competed at "Semantic Web Evaluation Challenge 2015," together with a detailed description of the tasks, and evaluation procedures and datasets, offering to the community a snapshot of the advancement in those areas at that moment in time, and material for replications of results. The editors have divided the book content into four chapters, each dedicated to one area (and challenge). The first chapter refers to "Open Knowledge Extraction," the second chapter to "Semantic Publishing," the third to "Concept-Level Sentiment Analysis," and the fourth to "Schema-Agnostic Queries over Linked Data." Each chapter includes an introductory section by the Challenge Chairs providing a detailed description of the challenge tasks, the evaluation procedure, and associated datasets.

We would like to thank the challenges chairs, who worked hard during the organization of the 2015 edition of the Semantic Web Challenges. Thanks to their work, we experienced a successful and inspiring scientific event, and we are now able to deliver this book to the community.

August 2015

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<http://www.springer.com/978-3-319-25517-0>

Semantic Web Evaluation Challenges

Second SemWebEval Challenge at ESWC 2015,

Portorož, Slovenia, May 31 - June 4, 2015, Revised

Selected Papers

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(Eds.)

2015, XV, 265 p. 46 illus., Softcover

ISBN: 978-3-319-25517-0