

Preface

The 14th edition of ESWC took place in Portorož, Slovenia, from May 28 to June 1, 2017. The program included three keynotes by Lora Aroyo (Vrije Universiteit Amsterdam, The Netherlands, and Columbia University, New York, USA), Kevin Crosbie (RavenPack), and John Sheridan (The National Archives). The main scientific program of the conference comprised 51 papers, which have been published by Springer as LNCS volumes 10249 and 10250: 40 research and 11 in-use and application papers, selected out of 183 reviewed submissions, corresponding to an acceptance rate of 25% for the research papers submitted and 52% for the in-use papers. This program was completed by a demonstration and poster session, in which researchers had the chance to present their latest results and advances in the form of live demos. In addition, the conference program included 12 workshops, six tutorials, a challenge track with five challenges (revised selected papers published by Springer as an upcoming CCIS volume), an EU project networking session, and a PhD symposium. The PhD symposium program included ten contributions, selected out of 14 submissions.

This volume includes the accepted contributions to the demonstration and poster track: eight poster and 24 demonstration papers, selected out of 51 submissions (20 posters and 31 demos), which corresponds to an overall acceptance rate of 63%. Each submission was reviewed by at least four, and on average five, Program Committee members. During the poster session the students from the PhD symposium were invited to display a poster about their work. This resulted in ten additional posters being presented during the session.

Additionally, this book includes a selection of the best papers from the workshops co-located with the conference, which are distinguished meeting points for discussing ongoing work and the latest ideas in the context of the Semantic Web. The ESWC 2017 Workshops Program Committee carefully selected 12 workshops focusing on specific research issues related to the Semantic Web, organized by internationally renowned experts in their respective fields:

- Querying the Web of Data (QuWeDa 2017), published by CEUR-WS.org as a part of volume 1870
- Managing the Evolution and Preservation of the Data Web (MEPDaW 2017), published by CEUR-WS.org as a part of volume 1824
- Workshop on Semantic Web Solutions for Large-Scale Biomedical Data Analytics (SeWeBMeDA)
- Scientometrics Workshop
- Second RDF Stream Processing Workshop (RSP 2017), published by CEUR-WS.org as a part of volume+1870
- Third International Workshop on Emotions, Modality, Sentiment Analysis and the Semantic Web (EMSASW 2017), published by CEUR-WS.org as a part of volume 1874

- First International Workshop on Applications of Semantic Web Technologies in Robotics (ANSWER 2017)
- Second International Workshop on Linked Data and Distributed Ledgers (LD-DL 2017)
- Enabling Decentralized Scholarly Communication
- Third International Workshop on Semantic Web for Scientific Heritage (SW4SH 2017)
- 4th Workshop on Linked Data Quality (LDQ 2017)
- Workshop on Semantic Deep Learning (SemDeep)

From the overall set of 54 papers that were accepted for these workshops, a selection of the best papers has been included in this volume. Each workshop’s Organizing Committee evaluated the papers accepted in their workshop to propose those to be included in this volume. The authors of the selected papers improved their original submissions, taking into account the comments and feedback obtained during the workshop and the conference. As a result, 12 papers were selected for this volume.

Finally, this volume also includes the revised and improved version of one of the best papers of the First Workshop on Humanities in the Semantic Web at ESWC 2016 (WHiSE 2016, initial papers published by CEUR-WS.org as volume 1608). This paper should have been included in LNCS volume 9989 (“The Semantic Web. ESWC 2016 Satellite Events”) but was omitted by mistake.

As general chair, poster and demo chairs, and workshop chairs, we would like to thank everybody who was involved in the organization of ESWC 2017. Special thanks go to the Poster and Demo Program Committee and to all the workshop organizers and their respective Program Committees who contributed to making the ESWC 2017 workshops a real success. We would also like to thank the Organizing Committee and especially the local organizers and the program chairs for supporting the day-to-day operation and execution of the workshops.

A special thanks also to our proceedings chair, Olaf Hartig, who did an excellent job in preparing this volume with the kind support of Springer.

Last but not least, thanks to all our sponsors listed herein, for their trust in ESWC.

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