Preface

The 12th edition of ESWC took place in Portorož (Slovenia), from May 31 to June 4, 2015. Its program included three keynotes by: Lise Getoor (University of California), Viktor Mayer-Schönberger (Oxford University), and Massimo Poesio (University of Essex).

The main scientific program of the conference comprised 43 papers: 34 research and nine in-use, selected out of 166 submissions (146 research plus 20 in-use submissions), which corresponds to an acceptance rate of 23 % for research papers and of 45 % for in-use papers. It 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 16 workshops, nine tutorials, a PhD Symposium, a Hackfest, four challenges, the Semantic Web Evaluation Track, an EU Project Networking Session, a "Minute of Madness," and Networking Net-working Women Lunch Tables. The PhD Symposium program included 12 contri-butions, selected out of 16 submissions.

This volume includes the accepted contributions to the demonstration and poster track: 12 poster and 22 demonstration papers, selected out of 50 submissions (25 demo and 25 posters), which corresponds to an overall acceptance rate of 68 %. Each sub-mission was reviewed by at least two, and on average 2.9, 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 12 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. From 24 workshop submissions originally, the ESWC 2015 Workshops Program Committee carefully selected 16 workshops focusing on specific research issues related to the Semantic Web, organized by internationally renowned experts in their respective fields:

– The Fourth International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015)
– The ESWC 2015 Developers Workshop (ESWCDev 2015)
– The First Workshop on Managing the Evolution and Preservation of the Data Web (Diachron 2015)
– The Third International Workshop on Human Semantic Web Interaction and the First International Workshop on Summarizing and Presenting Entities and Ontologies (HSWI+SumPre 2015)
– The Fourth Workshop on Knowledge Discovery and Data Mining Meets Linked Open Data (Know@LOD 2015)
– The Second Workshop on Linked Data Quality (LDQ 2015)
– The Workshop on Legal Domain And Semantic Web Applications (LeDA-SWAn 2015)

– The Fourth Workshop on the Multilingual Semantic Web (MSW 2015)
– The Workshop on Negative or Inconclusive rEsults in Semantic web (NoISE 2015)
– The Workshop on Politicizing the Future of the Semantic Web (PhiloWeb 2015)
– The Second International Workshop on Dataset PROFIling and fEderated Search for Linked Data (PROFILES 2015)
– The Workshop on RDF Stream Processing (RSP 2015)
– The Workshop on Services and Applications over Linked APIs and Data (SALAD 2015)
– The Workshop on Semantic Web for Scientific Heritage (SW4SH 2015)
– The Fifth International Workshop on Using the Web in the Age of Data (USEWOD 2015)
– The Third Workshop on Semantic Web Enterprise Adoption and Best Practice (WaSABi 2015)

From the overall set of papers that were accepted for these workshops (from 140 submissions), a selection of the best papers has been included in this volume. Each workshop 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 workshops and the conference. As a result, 22 papers were selected for this volume.

As General Chair, Poster and Demo Chairs, and Workshop Chairs, we would like to thank everybody who has been involved in the organization of ESWC 2015.

Special thanks go to the Poster and Demo Program Committee, to the challenge reviewers, and to all the workshop organizers and their respective Program Committees who contributed to making the ESWC 2015 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, Antoine Zimmermann, who did a remarkable job in preparing this volume with the kind support of Springer.

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

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