Preface to the Proceedings of the 2020 International Semantic Web Conference Posters, Demos and Industry Tracks: From Novel Ideas to Industrial Practice*

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This volume contains short papers presented at ISWC2020: 19th International Semantic Web Conference November 1-6, 2020, held as a global online conference. The conference was originally planned for that most fascinating city of Athens, Greece, but 2020 being the year that it is, participants are all staying at home and practising their virtual presentation and networking skills. However, there is still plenty to see and learn about in the Poster and Demonstration, and Industry Track Sessions of the conference.

We thank the ISWC General Chair, Lalana Kagal of MIT (Mass, USA) for her strong leadership of a conference that had to find a new way of being the

premier international research conference in Semantic Web, including knowledge graphs, linked data, ontologies, and AI on the Web.

The collection of papers in this proceedings were selected from those submitted to the Poster and Demonstration Track and the Industry Track of ISWC.

Posters and Demonstrations

The Posters and Demos Track is one of the most vibrant parts of every ISWC. This year, the track was chaired by Rafael Gonçalves and Kerry Taylor. We received a total of 97 submissions: 58 posters and 39 demos. The program committee, consisting of 87 members and the track chairs, accepted 43 posters and 35 demos based on 3 reviews per submission. The decisions were primarily based on relevance, originality, and clarity of the submissions.

We thank our esteemed program committee, comprising

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Alessandro Russo, STLab, ISTC-CNR
Alfio Ferrara, University of Milan
Alina Petrova, University of Oxford
Anastasia Dimou, Ghent University
Anca Dumitrache, Vrije Universiteit Amsterdam
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Anna Lisa Gentile, IBM
Anna Tordai, Elsevier B.V.
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David Chaves-Fraga, Universidad Politécnica de Madrid
Diego Collarana, Enterprise Information System (EIS)
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Ernesto William De Luca, Leibniz-Institute for International Textbook Research
Fabrizio Orlandi, ADAPT, Trinity College Dublin
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Heiko Paulheim, University of Mannheim
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Jesualdo Tomás Fernández-Breis, Universidad de Murcia
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Jodi Schneider, University of Illinois Urbana Champaign
Josef Hardi, Stanford BMIR
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Julian Rojas, Ghent University
Jyoti Leeka, Microsoft
Kalpa Gunaratna, Samsung Research
Khai Nguyen, Cinnamon Inc.
Kody Moodley, Maastricht University
Kouji Kozaki, Osaka University
Krzysztof Wecel, Poznan University of Economics
Lihua Zhao, Accenture
María Poveda-Villalón, Universidad Politécnica de Madrid
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Mayank Kejriwal, Information Sciences Institute
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Nathan Elazar, Australian National University
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Volha Bryl, Springer Nature
Wei Emma Zhang, The University of Adelaide
Wei Hu, Nanjing University
Yulia Svetashova, Robert Bosch GmbH
Zequn Sun, Nanjing University
Ziqi Zhang, Sheffield University

Industry Track

The industry track provides an opportunity for industry adopters to highlight and share the key learnings and challenges of applying semantic web technologies in real-world and scalable implementations. This year, the track chairs Freddy Lecue and Jun Yan received 22 submissions from a wide range of companies of different sizes, and 15 submissions were accepted. The submissions were assessed in terms of the quantitative and qualitative value proposition provided; innovative aspects, impact, lessons learned, and business value in the application domain; and the degree to which semantic technologies are critical to their offering. Each paper got one review from an Industry Semantic Web expert, which has been checked and validated by the Industry track chairs. The final decision was based on the evidence and impact of industrial applications using and based on semantic web technologies.