

Preface to the Proceedings of the 2021 International Semantic Web Conference Posters, Demos and Industry Tracks *

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This volume contains short papers presented at ISWC2021: 20th International Semantic Web Conference October 24-28, 2021, held as a global online conference.

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We are also grateful to EasyChair for its highly functional conference management toolkit and CEUR-WS for its high-quality, volunteer-operated service to the computer science research community. The collection of papers in this proceedings were selected from those submitted to the Poster and Demonstration Track and the Industry Track of ISWC.

1 Posters and Demonstrations

The ISWC Posters and Demos Track offers an opportunity to present late-breaking research results, on-going research or resource projects, and speculative or innovative work in progress. This year, the track was chaired by Catia Pesquita and Oshani Seneviratne. We received a total of 101 submissions of which 74 have been accepted.

The program committee, consisting of 65 members and the track chairs, accepted the 74 contributions with an average of 3 reviews per submission. The decisions were primarily based on relevance, originality, and clarity of the submissions. Promising submissions requiring shepherding were guided by the track chairs to reach their full potential. We thank our incredible program committee, comprising the following esteemed researchers (in alphabetical order).

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4. Carlos Badenes-Olmedo (Universidad Politécnica de Madrid)
5. Madhushi Bandara (University of Technology Sydney)
6. Andrew Bate (University of Oxford)
7. Volha Bryl (Springer Nature)
8. Shruthi Chari (Rensselaer Polytechnic Institute)
9. David Chaves-Fraga (Universidad Politécnica de Madrid)
10. Ching-Hua Chen (IBM)
11. Diego Collarana (Enterprise Information System (EIS))
12. Marco Cremaschi (Università degli Studi di Milano - Bicocca)
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21. Paul Groth (University of Amsterdam)
22. Dan Gruen (Rensselaer Polytechnic Institute)
23. Peter Haase (metaphacts)
24. Ali Hasnain (Royal College of Surgeon, Ireland)
25. Aidan Hogan (DCC, Universidad de Chile)
26. Tomáš Horváth (Eötvös Loránd University in Budapest, Hungary)
27. Pan Hu (University of Oxford)
28. Ernesto Jimenéz-Ruiz (City, University of London)
29. Natalya Keberle (Zaporizhzhya National University)
30. Jyoti Leeka (Microsoft)
31. Ying-Chi Lin (Leipzig University)
32. Giuseppe Loseto (Polytechnic University of Bari)
33. Jamie McCusker (Rensselaer Polytechnic Institute)
34. Nandana Mihindukulasooriya (IBM Research AI)
35. Marco Monti (IBM)
36. Varish Mulwad (GE Research)
37. Vit Novacek (Faculty of Informatics, Masaryk University / DSI, National University of Ireland Galway)
38. Francesco Osborne (The Open University)
39. Harshvardhan J. Pandit (ADAPT Centre - Trinity College Dublin)
40. Evan Patton (Massachusetts Institute of Technology)
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61. Vitalis Wiens (LUH, L3S, TIB)
62. Sanjaya Wijeratne (Holler.io)
63. Takahira Yamaguchi (Keio University)
64. Ran Yu (University of Bonn)
65. Lihua Zhao (Accenture)

2 Industry Track

The ISWC Industry Track covers all aspects of innovative commercial or industrial-strength knowledge graphs and semantic technologies in order to showcase the state of adoption. This year, the track was chaired by Juan Sequeda and Lorena Etcheverry. We received a total of 21 extended abstract submissions of which 12 have been accepted and 11 were included in the proceedings.

The program committee, consisting of 12 members and the track chairs, accepted the 12 contributions with an average of 3 reviews per submission. The decisions were primarily based on quantitative and/or qualitative value proposition provided; discussion of innovative aspects, experiences, impact, lessons learned and business value in the application domain; degree to which knowledge graph and semantic technologies are critical to the offering. We thank our incredible program committee, comprising the following esteemed industry experts (in alphabetical order).

1. Diego Collarana (Enterprise Information System)
2. Oscar Corcho (Universidad Politécnica de Madrid)
3. Dennis Diefenback (The QA Company)
4. Peter Haase (metaphacts)
5. Ora Lassila (Amazon Web Services)
6. Vanessa Lopez (IBM)
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9. Emanuel Sallinger (TU WEIN)
10. Francois Scharffe (Knowledge Graph Conference)
11. Joshua Shinavier (Uber Technologies)
12. Michael Uschold (Semantic Arts)