

Preface to the Proceedings of the 2023 International
Semantic Web Conference Posters, Demos and Industry Tracks

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Abstract

This volume contains short papers presented at ISWC2023: 22nd International Semantic Web Conference November 06-10, 2023, held as an all in-person conference. We thank the ISWC General Chair, Juanzi Li of Tsinghua University, Beijing, China, for her leadership in organizing the conference.

We also thank the conference sponsors, listed at <https://iswc2023.semanticweb.org/sponsors/> for their generous support. 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 these proceedings were selected from those submitted to the Poster and Demonstration Track and the Industry Track of ISWC.

1 Posters and Demonstrations

The Posters and Demos Track was chaired by Irini Fundulaki and Kouji Kozaki. This track complements the paper tracks of the conference by offering an opportunity to present late-breaking research results, on-going projects, and speculative as well as innovative work in progress. The Posters and Demos Track encourages presenters and participants to submit papers that have the potential to create discussions about their work that provide valuable input for the future work of the presenters. At the same time, it offers participants an effective way to broaden their knowledge on a variety of research topics and to network with other researchers. This track received 101 papers for review, of which 57 were accepted (56% acceptance rate). Among the accepted papers, 28 were poster papers and 29 were demo papers. The program committee, consisting of 55 members and the track chairs, accepted the 101 contributions with an average of 5 reviews per submission. The 55 members of the PC were involved in a double-blind review process and assessed each submission based on a variety of criteria such as novelty, relevance to the Semantic Web, impact, technical contribution, and

readability. 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)..

- Alsayed Algergawy, University of Jena
- Madhushi Bandara, University of Technology Sydney
- Andrew Bate, University of Oxford
- Marut Buranarach, NECTEC
- Shruthi Chari, Rensselaer Polytechnic Institute
- David Chaves-Fraga, Universidade de Santiago de Compostela
- Gong Cheng, Nanjing University
- Ioannis Chrysakis, FORTH-ICS (Greece) and Dept. of Electronics and Information Systems, Ghent University - IDLab – imec (Belgium)
- Diego Collarana, Enterprise Information System (EIS)
- Christophe Debruyne, Université de Liège
- Daniil Dobriy, Vienna University of Economics and Business
- Hang Dong, University of Oxford
- Mauro Dragoni, Fondazione Bruno Kessler - FBK-IRST
- Vasilis Efthymiou, ICS-FORTH
- Shusaku Egami, National Institute of Advanced Industrial Science and Technology
- Ehsan Emamirad, Australian National University
- Pavlos Fafalios, Institute of Computer Science, FORTH-ICS
- Jade Franklin, Rensselaer Polytechnic Institute
- Pouya Ghiasnezhad Omran, Australian National University
- Dan Gruen, RPI
- Peter Haase, metaphacts
- Ali Hasnain, Royal College of Surgeon, Ireland
- Aidan Hogan, DCC, Universidad de Chile
- Tomas Horvath, Eötvös Loránd University
- Ana Iglesias-Molina, Universidad Politécnica de Madrid
- Revant Kumar, Apple Inc.
- Jyoti Leeka, Microsoft
- Maxime Lefrançois, MINES Saint-Etienne
- Pasquale Lisena, EURECOM
- Giuseppe Loseto, LUM University "Giuseppe Degennaro"
- Kyoumoto Matsushita, FUJITSU LIMITED
- Jamie McCusker, Rensselaer Polytechnic Institute

- Takeshi Morita, Aoyama Gakuin University
- Michalis Mountantonakis, University of Crete and FORTH-ICS
- Harshvardhan J.Pandit, ADAPT Centre, School of Computing, Dublin City University
- Panagiotis Papadakos, Information Systems Laboratory - FORTH-ICS
- Charith Perera, Cardiff University
- Zhangcheng Qiang, Australian National University
- Sergio José Rodríguez Méndez, School of Computing / College of Engineering & Computer Science. The Australian National University
- Julian Rojas, Ghent University
- Muhammad Salman, The Australian National University
- Henrique Santos, Rensselaer Polytechnic Institute
- Floriano Scioscia, Polytechnic University of Bari
- Barış Sertkaya, Frankfurt University of Applied Sciences
- Jennifer Sleeman, University of Maryland Baltimore County
- Rita Sousa, LASIGE, Faculdade de Ciências da Universidade de Lisboa
- Takanori Ugai, Fujitsu Limited
- Dylan Van Assche, Universiteit Gent
- William Van Woensel, University of Ottawa
- Boris Villazón-Terrazas, Majorel
- Xin Wang, Tianjin University
- Atsuko Yamaguchi, Tokyo City University
- Takahira Yamaguchi, Keio University
- Lihua Zhao, Tiger Analytics
- Baifan Zhou, OsloMet

2 Industry

The Industry Track, this year chaired by Daniel Garijo and Jose Manuel Gómez-Pérez, covers all aspects of innovative commercial or industrial-strength Semantic Technologies and Knowledge Graphs to showcase the state of adoption. This track received 19 papers for review, of which 12 were accepted (63% acceptance rate) following a single-blind review process. The 17 members of the PC assessed each submission in terms of qualitative and quantitative business value, as well as the innovative aspects, impact, and lessons learned of applying Knowledge Graph and semantic technologies in the application domain. We thank our incredible program committee, comprising the following esteemed researchers (in alphabetical order).

- Nitish Aggarwal - Roku Inc., United States
- Panos Alexopoulos - Textkernel, Netherlands
- Kemafor Anyanwu - North Carolina State University, United States

- Ling Cai - University of California, Santa Barbara, United States
- Federico D'Asaro - LINKS Foundation, Italy
- Ronald Denaux - Amazon, Spain
- Lorena Etcheverry - Universidad de la República, Uruguay
- Anna Lisa Gentile - IBM Research, United States
- Peter Haase - metaphacts, Germany
- Nico Lavarini - Expert.ai, Italy
- Aleksandr Matiushkin - eBay, United States
- Paco Nathan - Derwen, Inc., United States
- Lidya Pinscher - Wikimedia Foundation, Germany
- Juan Sequeda - Data.world, United States
- Basel Shbita - IBM, United States
- Zhejun Shen - eBay Inc, United States
- Josiane Xavier-Parreira - Siemens AG Österreich, Austria