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Proceedings of the 16th ACM
Web Science Conference 2024

WebSci'24

Reflecting on the Web, AI,
and Society

May 21 – 24, 2024

University of Stuttgart, Germany

Sponsors:

Web4Good

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Web Science 2024: Conference Chairs' Welcome Message

We welcome you to the 16th ACM Web Science Conference, delivered in person at the University of Stuttgart, Germany, from May 21st to May 24th, 2024!

Ever since the inception of the Web Science Conference in Athens in 2009 and WebSci's settlement in the ACM family of conferences in Koblenz 2011, it has reflected on the interaction between individuals, groups, and the digital landscapes on the Internet. With the exploding importance of Artificial Intelligence on the Web, we have themed this year's motto:

“Reflecting on the Web, AI, and Society.”

Indeed, many of the papers experiment or analyze not only the emergence of digital social phenomena from individual interactions but also the interplay with AI and the opportunities and risks it brings to society. We are convinced that thoroughly understanding these techno-social phenomena is pivotal to shaping our societies toward a sustainable future. For this purpose, we require new approaches, the sharing of ideas, the discussion of experiences, and the forethinking of desirable futures. This is what WebSci has been set to accomplish through its brilliant participants, keynotes, junior and senior researchers, practitioners of technology, and analysts in social sciences and humanities.

WebSci has overcome the challenges of the COVID-19 crisis, and after the co-location with the ACM Web Conference 2023, this year, it is set out to re-emerge as a vivid in-person event. As in previous years, WebSci maintained its excellent reputation as a premier scientific conference. The conference was made possible by the outstanding effort of our wonderful community. The authors, program and senior program committee members, and additional reviewers demonstrated remarkable dedication and energy during the entire process.

Once again, this year, we had a vibrant set of reviewers consisting of **125** Web Science researchers from all over the world. This included **22** Senior Program Committee (SPC) members who oversaw reviews from **88** Program Committee (PC) and **15** Emergency Reviewers. WebSci'24 reviewers represented **28** countries, with the majority of the reviewers from the US, Italy, Germany, and the UK.

The conference had **133** valid submissions from **407** authors spanning **22** countries, with the US, Germany, UK, Switzerland, Italy, India, Netherlands, Spain, and Brazil featuring most prominently in the submissions list. Of the valid submissions, **40** were accepted (an acceptance rate of 30%). Each paper had at least three detailed reviews by the PC and a meta-review by an SPC member.

A heartfelt thank you to our keynote speakers, Jennifer Pan, Hannes Werthner, Eszter Hargittai, Jie Tang, and Dirk Hovy, for their invaluable contributions to the conference's success. Their expertise and insights have greatly enriched our program and inspired meaningful discussions among attendees.

As part of the program, the conference also hosts four workshops and one tutorial. Conducted by experts from five countries, the workshops cover a variety of topics ranging from “Listening to the Web”, “Linking Survey and Social Media Data” to “Building an Online Atlas Using Domain Name Registration data” and “The Diffusion of Harmful Content on Online Web”, while the tutorial provides a hands-on training on “Fair Clustering and Polarization Detection”. We are grateful to the workshop/tutorial organizers and happy to present a program that reflects the diverse research landscape on digital social phenomena.

WebSci’24 would not have been possible without the generous support of the University of Stuttgart’s Research Focus and Initiative “IRIS: Interchange Forum for Reflecting on Intelligent Systems.” Propelled by its membership, including a diversity of disciplines - engineering and computer science, sociology, psychology, humanities, from philology to philosophy, and the natural sciences - the “Stuttgart Way” has offered a perfect embedding for the interdisciplinary ambitions of the ACM Web Science conference.

We sincerely thank all authors who contributed papers, all program committee members, and all reviewers for their invaluable help in making WebSci’24 a success. We appreciate your support and participation as the Web Science community grows.

We are very grateful for the fair access grant provided by Web4Good and for the student scholarships, best paper award, and best short paper funded by the ACM Special Interest Group on Hypertext and the Web (SIGWEB). A big thanks goes to the generous support of Web Science Trust (WST) for sponsoring the Best Poster Award, the Best PhD Paper Presentation, and the Annual Test of Time Award. We also appreciate the support of GESIS - Leibniz Institute for the Social Sciences for their donation.

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