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Preface

Welcome to the Proceedings of the 25th INTERNATIONAL CONFERENCE ON WEB ENGINEERING, **ICWE 2025**.

ICWE aims to promote research and scientific exchange related to Web engineering, and to bring together researchers and practitioners from various disciplines in academia and industry to tackle emerging challenges in the engineering of Web applications and associated technologies, as well as to assess the impact of these technologies on society, media, and culture. Supported by the INTERNATIONAL SOCIETY OF WEB ENGINEERING (ISWE), since 2001 ICWE has served as the leading annual conference for the Web Engineering community.

This volume collects the full research papers, short research papers, tool demonstrations, posters, and tutorials presented at the 25th International Conference on Web Engineering (ICWE 2025), held in Delft, the Netherlands, from June 30 to July 3, 2025.

The ICWE 2025 theme, “**The Inclusive Web: Realizing Safe, Accessible, Inclusive, and Sustainable Web Engineering**,” invited discussions on creating Web technologies that are not only innovative, but also designed to be fair, ethical, transparent, privacy-preserving, trustworthy, safe, inclusive, and accessible to all. This theme recognized the evolution of the Web engineering landscape, which has been profoundly shaped by significant technological advances in recent years, particularly with the increasing adoption of Large Language Models (LLMs) and Generative Artificial Intelligence (AI). Web systems have become more robust and diverse, enhanced by AI-driven algorithms that personalize user experiences and optimize system performance. Enabled by advances in cloud computing and sophisticated network infrastructures, these developments have enabled a more connected and dynamic online environment. However, as the boundaries of what is possible on the Web continue to expand, critical questions arise: What should our research priorities be? How should we ensure a safe, accessible, inclusive, and sustainable web ecosystem? And how can the Web, powered by cutting-edge AI algorithms, function in an ethical, responsible, and safe way for diverse communities and users?

This year’s Call for Papers attracted 72 submissions worldwide, distributed across several tracks. The selection process was rigorous, and facilitated by a Program Committee (PC) of distinguished experts. Each submission was single-blind reviewed by at least three PC members, with final decisions made through thorough discussions. The research track includes 12 full papers, reflecting an acceptance rate of 24.5%. The conference also featured competitive sessions for short papers, industrial contributions, demonstrations, posters, as well as a Ph.D. symposium with five accepted proposals, three leading-edge tutorials, and two workshops. The final program featured innovative approaches, novel findings, and thought-provoking ideas. It covered various topics related to Web infrastructures; the human-centered Web; LLMs, search, and knowledge; security, safety, and privacy; inclusion and the accessible Web; and security, safety, and inclusion on the Web.

We extend our deepest gratitude to everyone who contributed to the organization of the conference, especially the track chairs: MARIOS CONSTANTINIDES & MARCO BRAMBILLA (**Industry Track**), SIHANG QIU & INES AROUS (**Posters and Demonstrations**), MARISTELLA MATERA & CESARE PAUTASSO (**Ph.D. Symposium**), AZZURRA RAGONE & FLAVIUS FRASINCAR (**Tutorials**), KARI SYSTÄ & YEN-CHIA HSU (**Workshops**), SOUHAILA SERBOUT & LORENZO CORTI (**Proceedings**), SHATHA DEGACHI, UĞUR GENÇ, & CARLO VAN DER VALK (**Web and Publicity**), CATALINA LAGOS ROJAS (**Accessibility**), and ARIANNE LUCCHINI (**Local and Student Volunteers**).

Our thanks also go to IRINA SHKLOVSKI (*University of Copenhagen, Denmark*), LUCIE FLEK (*University of Bonn, Germany*), and DANIELE QUERCIA (*Nokia Bell Labs Cambridge & King's College London, UK*) who agreed to be our keynote speakers.

We appreciate the invaluable support of the Faculty of Industrial Design Engineering, Delft University of Technology. We are also grateful to *Springer* and *River Publishers* for sponsoring the ICWE 2025 best paper awards, and to *Springer* for publishing these proceedings. Our sincere thanks go to the PC members, additional reviewers, and student volunteers whose dedication ensured the success of ICWE 2025, both academically and practically.

Finally, we thank all the authors and members of the ICWE community for their contributions and participation in making ICWE 2025 a successful event.

June 2025

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