

## Preface

It is our great pleasure to present you the **Proceedings of the Workshops held in conjunction with the 15<sup>th</sup> International Conference on the Internet of Things (IoT 2025)** on November 18, 2025, at Vienna University of Technology (TU Wien) in Vienna, Austria. Two specialized workshops were organized, focusing on different key aspects of contemporary IoT systems, in addition to a hands-on tutorial on orchestrating federated learning services. Following a peer review process by the organizers and technical program committee members, a number of papers were selected for presentation and are included in this volume. The program further included exciting keynote talks and panel sessions. The following events took place:

- **LongevIoT 2025: 2nd International Workshop on Longevity in IoT Systems**, organized by Boris Sedlak (TU Wien, Austria), Malte Josten (University of Duisburg-Essen, Germany), and Peter Zdankin (University of Duisburg-Essen, Germany). LongevIoT 2025 focused on challenges associated with the premature aging of IoT systems and the quest for IoT longevity.
- **ScaleSys 2025: 1st International Workshop on Intelligent and Scalable Systems across the Computing Continuum**, organized by Reza Farahani (University of Klagenfurt, Austria), Lorenzo Carnevale (University of Messina, Italy), Nishant Saurabh (Utrecht University, the Netherlands), and Gabriele Russo Russo (University of Rome Tor Vergata, Italy). ScaleSys 2025 addresses the intersection of computing systems and AI, particularly with respect to building and operating scalable, intelligent, and sustainable systems and services across the edge–cloud computing continuum.
- **Tutorial on Orchestrating Hierarchical Federated Learning Pipelines with the AIOtwin Middleware**, organized by Ivan Čilić, Ana Petra Jukić, Katarina Vuknić, and Ivana Podnar Žarko (University of Zagreb, Croatia) and including presentations and hands-on sessions.

We would like to thank the workshop and tutorial organizers, including the members of the technical program committees, for their efforts to create a very interesting program, and the authors for submitting their latest research findings. We extend our gratitude to the IoT 2025 general chairs, as well as the local organizers at TU Wien for their relentless efforts. Finally, we would

like to acknowledge the support of TU Wien Bibliothek in the preparation of this proceedings volume and for hosting it online.

We sincerely hope that you find the contributions included in this volume interesting and inspiring.

IoT 2025 Workshop Chairs

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