

IoTAI 2025

Forward

The Second International Conference on IoT-AI (IoTAI 2025), held on July 6th – 10th, 2025 focused on blending AI and IoT (Applied intelligence) to various domains.

Joining Artificial Intelligence (AI) and Internet of Things (IoT) is a technical convenience of complementary capabilities. IoT deals with devices interacting using the Internet, while AI makes the devices learn from their data and experience. Almost all domains are greatly benefiting from the marriage IoT-AI for processing high volumes of real-time data. The myriad of IoTs deserves a careful data selection, data patterns identification, controlled frequency for data gathering, high data quality, and appropriate filtering mechanisms.

In essence, by using AI principles and AI-based tools, IoT networks and devices can learn from past decisions, predict future activity, and continuously improve performance and decision-making capabilities. The successful combination of AI and IoT leverages the quality of real data to benefit system customers.

We take here the opportunity to warmly thank all the members of the IoTAI 2025 technical program committee, as well as all the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to IoTAI 2025. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also thank the members of the IoTAI 2025 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that IoTAI 2025 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the area of AI and IoT. We also hope that Venice provided a pleasant environment during the conference and everyone saved some time to enjoy the historic charm of the city.

IoTAI 2025 Chairs

IoTAI 2025 Steering Committee

Narito Kurata, Tsukuba University of Technology, Japan

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