IoTAI 2024

Forward

The First International Conference on IoT-AI (IoTAI 2024), held on June 30 – July 4, 2024 focused on blending AI and IoT (Applied intelligence) to various domains.

Joining Artificial Intelligence (AI) and Internet of Thinks (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 2024 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 2024. 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 2024 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that IoTAI 2024 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 Porto provided a pleasant environment during the conference and everyone saved some time to enjoy the historic charm of the city.

IoTAI 2024 Chairs

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