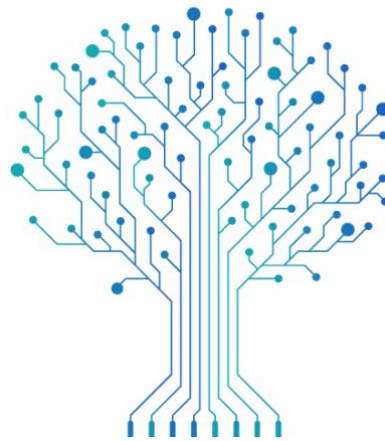




2020 IEEE 32nd International Symposium on Industrial Electronics (ISIE)



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Message from the Chairs

Dear delegates and authors of the IEEE International Symposium on Industrial Electronics 2023 (ISIE 2023), welcome to Finland in midsummer! This time, the 32nd edition of ISIE is hosted by the Aalto University, a relatively young institution, but with more than 100 years of history.

The slogan of this ISIE 2023 is “Industrial Electronics for Better Life”. This implies many things: cleaner, safer, healthier, and merrier life. The Industrial Electronics Society of IEEE is at the very centre for technology innovation that aims achieving these goals. We are at the forefront of energy transition, sustainable manufacturing, intelligent automation and robotics, artificial intelligence, smarter cities, and digital health.

ISIE 2023 attempts to fully return to the onsite mode, without online presentations. During the COVID time we have changed our habits to the online mode of teaching and presenting. While it is convenient, we lose the enjoyment of the live communication. That is why we insisted on live presentations this time, to help the community return to the normal mode of operation and accelerate our progress.

The Industrial Electronics Society works hard on continuously improving the quality of its conferences. One way to achieve that is to nurture scientific communities behind technical tracks, to continue from edition to edition. Technical Program Committees stand behind all ISIE Technical Tracks. Their members provided thorough reviews and selection of papers.

Technical committees of IES played great role in this edition of ISIE having led the technical tracks and contributing to track program committees.

The conference offers a very vibrant technical and social program. There are four keynote talks by great speakers from both industry and academia. Besides, there are two industry forum sessions and industrial exhibitions. The students and young professional forum on Monday will give the stage to the future of our society, students, young engineers and researchers who will talk about their current research and development challenges.

Last but not least, we would like to thank all reviewers who have dedicated time to assess and ensure that the papers in the conference are of high quality. The ISIE 2023 conference provides an opportunity to experience the vibrant (but still relaxed) capital of Finland and feel the spirit and culture of this country, voted the world’s happiest nation many times in a row.

General Chairs: Valeriy Vyatkin, Milos Manic, Roberto Oboe and Juan Jose Rodriguez-Andina

Technical Program Chairs: Mahdi Pourakbari-Kasmaei, Wenbin Dai, Lucia Lo Bello, Michael Ruderman and Yang Shi

