INDIN2021

19th IEEE International Conference on Industrial Informatics INDIN'21

21-23 July 2021, Palma de Mallorca, Spain

Call for Papers
Track 5 - Robotics and Mechatronics in Industrial Applications

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❖ **FOCUS**. The aim of this Track is to gather researchers and practitioners to report on recent achievements and requirements in the development of Robotics and Mechatronics systems in the industrial context, comprising control, path planning, sensing, manipulation and mobile robotics issues.

❖ **TOPICS**

- ❖ Mechatronics
- ❖ Motion Control
- ❖ Model Predictive Control
- ❖ Path planning and trajectory generation
- ❖ Industrial robots
- ❖ Collaborative robots
- ❖ Robot sensing
- ❖ Intelligent navigation of mobile robots
- ❖ Autonomous vehicles in the industry
- ❖ Unmanned Aerial Vehicles
- ❖ Cognitive Robotics and robot learning
- ❖ Dexterous Robotic Manipulation

❖ **AIM.** IEEE INDIN is a flagship conference of IEEE Industrial Electronics Society providing a forum for presentation and discussion of the state-of-art and future perspectives of industrial information technologies, where industry experts, researchers, and academics share ideas and report on recent developments, deployments, technology trends and research results, as well as initiatives related to industrial informatics and their application.

❖ **CONFERENCE FORMAT**. The conference will include multitrack sessions, for both Regular an Special Session papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations; Industry Forum sessions, in which invited speakers will present use cases, changes, and challenges faced by industry associated with the technical areas of IES; and Tutorials sessions, in which selected speakers will explain state-of-the-art and ongoing hot research techniques and tools, together with hands-on experiments, aimed at solving problems faced by industrial informatics engineers and researchers.

❖ **AUTHOR'S SCHEDULE (2020)**

❖Regular and Special Session (SS) papers
SS proposals deadline .... January 24
Papers submission deadline .... March 31
Acceptance notification .... June 11
Deadline for final manuscripts .... June 30

❖Tutorials
Tutorial proposals deadline .... April 23

Track Programme Committee

- ❖ Barkan Barkan, Ozyegin University, Turkey
- ❖ Francesco Biral, University of Trento, Italy
- ❖ Andrea Bonci, Università Politecnica delle Marche, Italy
- ❖ Zheng Chen, Zhejiang University, China
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- ❖ Sho Sakaino, University of Tsukuba, Japan
- ❖ Emre Sariyildiz, University of Wollongong, Australia
- ❖ Christian Schlegel, Hochschule Ulm, Germany
- ❖ Kenta Seki, Nagoya Institute of Technology, Japan
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