



3rd IEEE International Conference on Industrial Cyber-Physical Systems Towards the Future Sustainable Industrial Society

ICPS 2020 June 9-12, 2020 Tampere, Finland



CALL FOR PAPERS icps2020.fi

IEEE International Conference on Industrial Cyber-Physical Systems (ICPS) is to provide a platform to exchange research and innovation results, lessons learned from industrial practices associated with new paradigms and technologies. ICPS 2020 is going to be the conference series presenting the state of the art and future perspectives of Industrial Cyber-Physical Systems. The industry experts, researchers, and academics share ideas and experiences surrounding frontier technologies, breakthrough and innovative solutions and applications. The world's industry, researchers and academia are cordially invited to participate in this exciting event and enjoy the wonderful city of Tampere.

A number of Special Sections in leading IEEE Journals such as [TII](#), [OJIES](#) and [JESTIE](#), elaborating conference topics will be generated after the event. Authors of accepted papers, with a high review grade, will be invited to submit an improved/modified version of their papers for further consideration.

Technical tracks:

• Track 1: ICPS Architectures

Industry Architectures, Industry Standards, RAMI 4.0, Industrial IoT.

• Track 2: ICPS Technologies

Core Technologies, Interoperability, Communication Networks, Connectivity OT/IT, Semantics, Control, Security, IoT/IIoT, Machine Learning, Autonomous Systems, Cloud-Fog Computing, Big/Smart Data, Security.

• Track 3: ICPS Engineering

Engineering Methods and Tools, Lifecycle Management, Integration, HMI, Safety, Engineering Systems of ICPS.

• Track 4: ICPS Applications

Smart Manufacturing, Robotics, Smart Cities, Energy / Smart Grid, Smart Living, Smart Farming, Mobility, Water Management, Mining, Oil & Gas, Intelligent Enterprise, Smart Transportation, Internet of Underwater Things, Smart Medical Systems.

• Track 5: ICPS Management and Ecosystem

Innovation Management, Innovation Ecosystems, Visions/Roadmaps, Industry Digitalization, Strategies & Markets, Entrepreneurship.

• Track 6: ICPS Education and Social Aspects

Digital Society, Education, Lifelong ICPS Learning, ICPS Curricula, Social Aspects, Sustainability, Machine Ethics.

Track 7: Work-In-Progress Track

All ICPS areas

Special Sessions: Special sessions can cover subjects or cross-subjects belonging to the topics of interest, or novel topics related with the ones identified within the topics of interest. Proposals for special sessions are submitted to the Special Session Chairs, at specialsessions@icps2020.fi

Tutorials: Several tutorials are planned on the latest trends in industrial electronics and industrial informatics. If you are interested in organizing a tutorial, please contact Tutorials Co-Chairs at tutorials@icps2020.fi

Submission of Papers

The working language of the conference is English. Prospective participants are requested to electronically submit full papers of their work following the instructions available on the website. Accepted, registered, and presented papers will be IEEE copyrighted and published in the conference proceedings. The proceedings is planned to be submitted for inclusion in IEEE Xplore® Digital Library and therefore indexed by EI Compindex. In order for the accepted paper to be submitted for inclusion into the IEEE Xplore® Digital Library, all of the following requirements must be satisfied: 1. Appropriate publication materials: final paper and transfer of copyright to IEEE must be submitted. 2. At least one full registration has to be paid. 3. The paper must be presented at the conference. The maximum number of pages for conference papers is 6 (+2) pages, and for Work in Progress papers is 4 pages.

Important Deadlines

Special Session Proposals	January 10	2020
Paper Submission	February 18	2020
Work in Progress Submission	March 4	2020
Notification of Acceptance	March 31	2020
Tutorial Proposals	February 15	2020
Camera-Ready Submission and Registration of Authors	April 15	2020

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Practical arrangements:

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