

5th IEEE International Conference on Industrial Cyber-Physical Systems (ICPS 2022)

24 – 26 May 2022, Coventry, United Kingdom



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Finance Chair

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Local Arrangements

Ronald Pfeng (UK)
Georgina Haslop (UK)
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CALL FOR PAPERS

The 5th IEEE International Conference on Industrial Cyber-Physical System (ICPS) will be held from Tuesday to Thursday, 24 - 26 May 2022, hosted by University of Warwick in Coventry, United Kingdom.

ICPS 2022 aims to provide a platform to share quality research and professional interactions for the development of sciences in regard to industrial cyber-physical systems. Industry experts, researchers and academics will share ideas and experiences surrounding frontier technologies, breakthroughs, innovative solutions, research results, as well as initiatives related to industrial cyber-physical systems and their applications. The conference will feature contributed and invited papers, as well as Special Sessions, Tutorials and an Industry Forum.

A number of Special Sessions 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.

Topics within the scope of the conference:

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

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

ICPS Theory and Technologies: Core Technologies, Interoperability, Communication Networks, Connectivity OT/IT, Semantics, Control, Information Processing, Security, IoT/loS, Machine Learning, Autonomous Systems, Cloud-Fog Computing, Big/Smart Data, Security.

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.

ICPS Management and Ecosystems: Innovation Management, Innovation Ecosystems, Visions, Roadmaps, Industry Digitalization, Strategies & Markets, Entrepreneurship.

ICPS Education and Social Aspects: Digital Society, Education, Lifelong ICPS Learning, ICPS Curricula, Future of Work, Social Aspects, Sustainability, Machine Ethics.

Special Sessions: Prospective participants of ICPS 2022 are encouraged to organize special sessions with focus areas under the conference topics.

Tutorials: Several tutorials are planned on the latest trends in industrial electronics and industrial informatics.

Other Activities: In addition to technical tracks, complementary activities for professional development of participants will include: Plenary Talks, an Industry Forum and Work in Progress Sessions.

Paper Submission

Prospective participants are requested to electronically submit full papers with the working language in English following the instructions available on the website (www.icps2022.com). Accepted and presented papers will be copyrighted to IEEE and published in conference proceedings, which will be eligible for inclusion in the IEEE Xplore online Digital Library and EI Compindex database.

Key Contact: ICPS2022@warwick.ac.uk

Important Dates:

Special Session Proposal due:	30 NOV 2021
Regular Paper Submission due:	31 DEC 2021
Work in Progress Papers due:	31 JAN 2022
Tutorials Proposals due:	31 MAR 2022
Camera-Ready Paper Submission due:	30 APR 2022
Early Registration due:	30 APR 2022

