

4th IEEE International Conference on Industrial Cyber-Physical Systems

ICPS 2021

May 10-13, 2021, Victoria, Canada

Website: ieee-icps2021.org



CALL FOR PAPERS

The 4th IEEE International Conference on Industrial Cyber-Physical System (ICPS) will be held from Monday to Thursday, **May 10-13, 2021**, Victoria, BC, Canada.

ICPS 2021 aims to provide a platform to exchange quality research and professional interactions for the development of sciences in regard to 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 cyber-physical systems and their applications. The conference will feature contributed and invited papers, as well as workshops and special sessions.

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.

Topics within the scope of the conference:

• ICPS Architectures:

Industry Architectures, Industry Standards, RAMI 4.0, Industrial IoT

• ICPS Theory and Technologies:

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

• ICPS Engineering:

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

• ICPS Applications:

Smart Manufacturing, Robotics, Smart Cities, Energy / Smart Grid, Smart Living, Smart Framing, 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 2021 are encouraged to organize special sessions in focus area under the symposium topics.

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

Paper Submission:

Prospective participants are requested to electronically submit full papers with the working language in English following the instructions available on the website. 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 Compendex database.

VICTORIA is the capital city of the Canadian province of British Columbia, with the highly irregular southeastern coastline of Vancouver Island. The city's picturesque location provides the setting for an unhurried vacation or an active getaway. It is delighted if you spend the afternoon on a whale-watching excursion, walk through Butchart Gardens, enjoy a leisurely stroll along the waterfront or brows at the Royal British Columbia Museum.

Steering Committee Chairs:

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Victor Huang (US)
Michael Condry (US)
Allen Chen (US)

Financial Chair:

Kunwu Zhang (CA)

Local Arrangement Chair:

Xinxin Shang (CA)

Conference Secretary:

Henglai Wei (CA)

Important Dates

Full Paper Submission: **Nov. 10, 2020**

Special Session Proposal: **Dec. 01, 2020**

Decision Notification: **Jan. 10, 2021**

Registration Site Opens: **Feb. 10, 2021**

Contact Email:
2021icps@gmail.com

