



# 6th IEEE International Conference on Industrial Cyber-Physical Systems

## ICPS 2023

May 8-11, 2023, Wuhan, China

Website: <http://icps2023.cug.edu.cn/>



## CALL FOR PAPERS

The 6th IEEE International Conference on Industrial Cyber-Physical Systems (ICPS 2023) will be held from Monday to Thursday, **May 8-11, 2023**, at Wuhan East Lake International Conference Center, Wuhan, Hubei, China.

ICPS 2023 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.

### 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/IIoT, 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 2023 are encouraged to organize special sessions in the 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.

**Wuhan**, the only sub-provincial city in central China, is the capital city of Hubei province. The world's third longest river (the Yangtze River) and its greatest branch (the Hanshui River) flow across the city and divide it into three parts: Wuchang, Hankou, and Hanyang. The city provides a wealth of leisure activities. It is delighted if you look into the distance from the Yellow Crane Tower, walk along the East Lake Greenway, or visit the Hubei Provincial Museum.

### Important Dates

Special Session Proposal Due:	<b>Nov. 11, 2022</b>
Full Paper Submission Due:	<b>Dec. 01, 2022</b>
Notification of Paper Acceptance:	<b>Jan. 11, 2023</b>
Final Paper Submission Deadline:	<b>Feb. 11, 2023</b>
Early Registration:	<b>Feb. 10-Mar. 10, 2023</b>

#### Steering Committee Chairs:

Xiaohong Guan (CN)  
Min Wu (CN)  
Okyay Kaynak (TR/CN)  
Xinghuo Yu (AU)  
Kamal Al-Haddad (CA)  
Thilo Sauter (AT)  
Huijun Gao (CN)

#### General Chairs:

Jinhua She (JP)  
Weihua Cao (CN)  
Armando W. Colombo (DE)  
Yang Shi (CA)

#### Technical Program Chairs:

Xin Chen (CN)  
Luis Gomes (PT)  
Jundong Wu (CN)  
Peng Cheng (CN)

#### Publication Chairs:

Chengda Lu (CN)  
Bin Zhang (US)  
Mihoko Niitsuma (JP)

#### Publicity Chairs:

Luefeng Chen (CN)  
Hui Zhang (CN)  
Chao Shen (CA)  
Valeriy Vyatkin (FI)  
Daisuke Chugo (JP)

#### Special Sessions Chairs:

Wenkai Hu (CN)  
Xinkai Chen (JP)  
Fei Gao (FR)  
Paulo Leitao (PT)  
Wenbin Dai (CN)

#### Workshops Chairs:

Chuanke Zhang (CN)  
Hipólito Guzmán (ES)  
Ya-Jun Pan (CA)

#### Work-In-Progress Chairs:

Kaifeng Dong (CN)  
Larisa Dunai (ES)  
Chengbin Ma (CN)

#### Industry Forum Chairs:

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

#### Finance Chairs:

Jianqi An (CN)  
Aleksander Malinowski (US)

#### Local Arrangement Chairs:

Xiongbo Wan (CN)  
Sheng Du (CN)  
Rusheng Li (CN)

#### Young Professional Chairs:

Marek Jasinski (PL)  
Xiaofeng Zong (CN)  
Mingxi Liu (US)

#### Award Committee Chairs:

Yong He (CN)  
Mo-Yuen Chow (US)

#### Conference Secretary:

Zhengtao Liu (CN)  
Feng Wang (CN)

#### Contact Email:

[ICPS2023@cug.edu.cn](mailto:ICPS2023@cug.edu.cn)



中国地质大学  
CHINA UNIVERSITY OF GEOSCIENCES