**3rd IEEE International Conference on Automation in Manufacturing, Transportation and Logistics, iCaMaL2023**

**Nov. 3-5, 2023, Wuhan, China**



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# Sponsors

Wuhan University of Technology; Base for International Science and Technology Cooperation on Smart Shipping and Maritime Safety; Base of Foreign Outstanding Expertise-Introduction for Disciplines Innovation for Smart Shipping and Maritime Safety;

# Call for Special Sessions/ Workshop

Interested attendees are encouraged to propose special sessions/workshops, each of which consists of five papers providing a focused discussion of new or innovative topics. Each proposal must include the session/workshop title, description, organizers and affiliations. Proposals should be sent to the workshop chairs or special session chairs with the following emails.

# Web Site and Contact Email for Inquires

# Email： [icamal@whut.edu.cn](mailto:icamal@whut.edu.cn);

Special session papers will undergo the same intense review process and submission is not a guarantee for acceptance. Special session papers must be clearly indicated when submitted with a copy sent to the designated special session organizer.

# Paper Submission

Complete manuscripts must be electronically submitted through the conference submission website: https://easychair.org

Submitted manuscripts should be within six (6) pages in IEEE two-column format, including figures, tables, and references. Please use the templates at http://www.ieee.org/conferences\_events/conferences/publishing/templates.html from the conference website to prepare your paper. All submissions MUST be in PDF format.

**Important Dates**

March 30, 2023 Workshop and Special session proposals deadline

April 30, 2023 Detailed abstract submission due

May 30, 2023 Full paper submission due

June 30, 2023 Paper submission due (only for special session)

July 30, 2023 Notification of acceptance

Sept. 30, 2023 Camera-ready copy due

Nov. 3-5, 2023 Conference

Intelligent/Advanced manufacturing

Automated inspection and quality control

Diagnostics and maintenance

Industrial 4.0 system and practice

Advanced mechanism and robots

MEMS/NEMS/Flexible electronics

Energy harvesters/Sensors/Actuators

Smart materials and structures

Topology & Generative design

Mechanical dynamics/Vibration control

Smart and digital supply chains

Risk management of supply chains

Cooperative manufacturing /logistics/transportation

Intermodal/Multimodal transport

Physical internet

Smart ports/Smart logistics/ITS

Sustainable logistics/shipping

Formation control/cooperative operation

Human-machine interaction

Facility location/Multiple mode positioning

Autonomous vehicles/ AGV

Mobile robots/Intelligent robots

Remote Driving/Vehicle to everything

Sensor design, integration and fusion

Sensor networks

5G application

Cooperative sensing/control

Big Data technology/management

Block chain

Cyber-physical systems/IoT

Digital Twin/VR/AR/MR/Metaverse

Cloud computing/Edge computing

Deep learning

Machine vision

Artificial intelligence

Autonomous transportation

Logistic networking and supernetwork

Port Logistics

Port handling and transport process

Novel/Comprehensive transportation

Traffic risk assessment and control

Container routing/Vehicle routing

Scheduling and resource allocation

Data driven Scheduling/Decision

Coordinated planning/scheduling

Service network design

Multi-level multi-objective optimization

Simulation based optimization/scheduling

Modeling/Simulation/Optimization of complex systems

Resilience and fault tolerance

Autonomous agents and multi-agents

Decarbonization/Green technology

**Theme: Manufacturing, Transportation and Logistics under** **the Evolution Trend of Digital Economy**

The 2023 IEEE International Conference on Automation in Manufacturing, Transportation and Logistics will be held in Wuhan, a historic center city in China. It will feature plenary speeches, panel sessions, tutorials, workshops, interactive sessions, and invited/special sessions. Contributions are expected from academia, industry, and management agencies. **The conference theme is: Manufacturing, Transportation and Logistics under the Evolution Trend of Digital Economy.**

Technical topics of the conference are focused on advanced automation methods and technologies on Manufacturing, Transportation and Logistics, include but are not limited to: