

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

Nov. 3-5, 2023, Wuhan, China

<https://stle.whut.edu.cn/iCaMaL2023/abo/>



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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, including but are not limited to:

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

Autonomous transportation
Logistic networking and super network
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

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

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; Science Technology on Thermal Energy and Power Laboratory

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 icamal@whut.edu.cn.

Web Site and Contact Email for Inquires

Email: 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&Publication

Complete manuscripts must be electronically submitted through the conference submission website: <https://cmt3.research.microsoft.com>.

Submitted manuscripts should be within six (6) pages, including figures, tables, and references. All submissions MUST be in PDF format.

Accepted papers will be included into the conference proceedings according to the presentation and the authors' choice, which will be published to the third party publisher and would be indexed by EI (Compendex), etc. Authors of selected qualified papers will be invited to submit revised and expanded version of their papers to special issues of international journals (SCI), such as T-ASE, FSMJ, Sensors...

Important Dates

May 30, 2023	June 30, 2023	Full paper submission due
June 30, 2023	July 16, 2023	Paper submission due (only for special session)
July 30, 2023	Aug. 15, 2023	Notification of acceptance
Sept. 30, 2023		Camera-ready copy due
Nov. 3-5, 2023		Conference