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	Autonomous transportation	Formation control/cooperative operation
Automated inspection and quality control	Logistic networking and super network	Human-machine interaction
Diagnostics and maintenance	Port Logistics	Facility location/Multiple mode positioning
Industrial 4.0 system and practice	Port handling and transport process	Autonomous vehicles/ AGV
Advanced mechanism and robots	Novel/Comprehensive transportation	Mobile robots/Intelligent robots
MEMS/NEMS/Flexible electronics	Traffic risk assessment and control	Remote Driving/Vehicle to everything
Energy harvesters/Sensors/Actuators	Container routing/Vehicle routing	Sensor design, integration and fusion
Smart materials and structures	Scheduling and resource allocation	Sensor networks
Topology & Generative design	Data driven Scheduling/Decision	5G application
Mechanical dynamics/Vibration control	Coordinated planning/scheduling	Cooperative sensing/control
Smart and digital supply chains	Service network design	Big Data technology/management
Risk management of supply chains	Multi-level multi-objective optimization	Block chain
Cooperative manufacturing /logistics/transportation	Simulation based optimization/scheduling	Cyber-physical systems/IoT
Intermodal/Multimodal transport	Modeling/Simulation/Optimization of complex systems	Digital Twin/VR/AR/MR/Metaverse
Physical internet	Resilience and fault tolerance	Cloud computing/Edge computing
Smart ports/Smart logistics/ITS	Autonomous agents and multi-agents	Deep learning
Sustainable logistics/shipping	Decarbonization/Green technology	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 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.
Accepted papers will be published by the Proceedings of IEEE according to the presentation and the authors' choice, and would be indexed by EI (Compendex). 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