Jason Liu

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Professional Interests

Project Management
Lean Manufacturing Systems
Industrial IoT, Robotics
Quality Management
Automation, Controls and Instrumentation
System Design and Simulation
Smart Manufacturing

Education

Ph.D. in Manufacturing and Industrial Engineering
Nanjing University of Aeronautics and Astronautics
M.S. in Industrial Engineering
New Jersey Institute of Technology
M.S. in Technology Economics and Management
Nanjing University of Aeronautics and Astronautics
B.S. in Vehicle Manufacturing Engineering
Dalian Jiaotong University

Courses Taught

INMHT-365 Project Management
INMGT-440 Lean Enterprise
INMGT-565 Project Management
INMGT-640 Lean Enterprise
INMHT-200 Operations Management
ENGR-363 Controls and Instrumentation
INMGT-335 Lean Manufacturing Systems

Selected Journal Articles and Conference Proceedings

2025	Jason Liu, W. Shi, Ahmet Turkmen, Jeff Leismer, Internet of Things Applied on Assistive Devices and Rehabilitation Robotics, European Journal of AI, Computing & Informatics (IJESI), Vol. 1 No.1 May 16, 2025

April 2024	H. Pan, Y. Xing, D. Hou, **Jason Liu**, A. Verma, Time Series Prediction in UAV-UGV Integrated Automation System by Deep Reinforcement Learning in Industry 4.0, International IOT, Electronics and Mechatronics Conference 2024, (IEMTRONICS 2024), 3rd – 5th April, 2024, London, United Kingdom, Published on Springer Nature
Feb. 2024	Y. Xing, D. Hou, **Jason Liu**, H. Yuan, A. Verma and W. Shi, "Deep Learning and Game Theory for AI-Enabled Human-Robot Collaboration System Design in Industry 4.0," 2024 IEEE 14th Annual Computing and Communication Workshop and Conference (CCWC), Las Vegas, NV, USA, 2024, pp. 0008-0013
Oct. 2023	**Jason Liu**, Automation Leadership Program: A Community College Partnership, 2023 Trends in Occupational Studies, Muskegon, MI, October 25-27, 2023
2021	Y. Xing, H. Pan, B. Xu, C. Tapparello, W. Shi, **Jason Liu**, T. Lu, " Optimal Wireless Information and Power Transfer UsingDeep Q-Network," Wireless Power Transfer, Volume 2021, Article ID 5513509, 12 pages, https://doi.org/10.1155/2021/551350.
2021	Y. Xing, Y. Qian, W. Shi, **Jason Liu**, T. Zhao and C. Tapparello, "Deep Learning for Optimized Multiuser OFDMA Energy-efficient Wireless Transmission," 2021 IEEE 11th Annual Computing and Communication Workshop and Conference (CCWC), 2021, pp. 0578-0584, doi: 10.1109/CCWC51732.2021.9376055.