Jason Liu

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Mathematics & Management
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Professional Interests

Industry 4.0
Industrial IoT, Robotics
Quality Management
Smart Manufacturing
Project Management
Automation, Controls and
Instrumentation
System Design and Simulation

Education

04/2020	**Ph.D. in Manufacturing and Industrial Engineering**
	Nanjing University of Aeronautics and Astronautics
05/2012	**M.S. in Industrial Engineering**
	New Jersey Institute of Technology
04/2007	**M.S. in Technology Economics and Management**
	Nanjing University of Aeronautics and Astronautics
07/2001	**B.S. in Vehicle Manufacturing Engineering**
	Dalian Jiaotong University

Academic Positions

2022-present	**Assistant Professor**, University of Wisconsin - Stout
2021-present	**Program Director**, University of Wisconsin - Stout
2018-2022	**Lecturer**, University of Wisconsin - Stout
2005-2006	**Teaching Assistant,** Nanjing University of Aeronautics and Astronautics

Industrial Experience

2015-2017	**Consultant**, China Railway Rolling Stock Corporation Limited (CRRC)
2007-2009	**Project Manager & Senior Manufacturing Engineer**, China South Locomotive & Rolling Stock Corporation (CSR) Nanjing, China
2001-2004	**Manufacturing Engineer**, China South Locomotive & Rolling Stock Corporation (CSR)

Journal Articles, Invited Talks, Conference Proceedings

2021	Y. Xing, H. Pan, B. Xu, C. Tapparello, W. Shi, X. 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, X. 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.
2021	Xuejun Liu, Internet of Things Applied on Assistive Robotics, International Journal of Engineering, Sciences and Technology (ILSET), 2021 Volume 3, Issue 1, 2021 ISSN: 2642-4088
2019	Xuejun Liu, Research toward IoT and Robotics in Intelligent Manufacturing: A review of concept, added value and applications, ICMEM 2019, Nanjing
2013	Xuejun Liu, C.M. Mi, Y.Y. Wang, "Optimal Train Size and Headway for Urban Rail Transit System," Applied Mechanics and Materials, vol.253-255, pp.2020-2023, 2013.
2006	Xuejun Liu, Zhuo Zhang, and Chuanmin Mi, "Study on Goal Sustainability Assessment of Lianyungang - Xuzhou Expressway", Modern Industry Engineering and Management Seminar, April, 2006.
2005	Xuejun Liu, and Zhuo Zhang, "Real Option and Investment Strategy for Real Estate", November, 2005.

Professional Development Activities

2023	Reviewer: National Conference on Undergraduate Research (NCUR) 2023, UW-Eau Claire, WI, April 13-15, 2023
2022	ASQ (American Society for Quality) Quality 4.0 Summit, San Antonio, TX, 10/11/2022-10/15/2022
2022	Digital Manufacturing Leadership, Connected Systems Institute (CSI), University of Wisconsin-Milwaukee, 06/2022-08/2022
2022	Advanced Operations and Supply Management Camps, University of Wisconsin-Stout, 06/2022-08/2022