

## Assistant Professor (Research) SiWei Zhang

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### Academic Qualification:

PhD., Macau University of Science and Technology, Macao, 2020  
M.S., Guangdong University of Science and Technology, Guangzhou, China, 2015  
B.S., Harbin Institute of Technology, Harbin, China, 2009

### Teaching Area

Signals and Systems  
Computer Science Principles

### Research Area

Scheduling and automation  
Discrete event systems  
Petri nets

### Working Experience

2023 - Present, Assistant Professor, Macau Institute of Systems Engineering, Macau University of Science and Technology  
2021 - 2022, Postdoctoral Fellow, Macau Institute of Systems Engineering, Macau University of Science and Technology

### Academic Publication ( selected )

#### S. W. Zhang

*Information Sciences* , 417, 247-261, 2017.

L. C. Chen, S. W. Zhang, N. Q. Wu, Y. Qiao, Z. C. Zhong, and T. Chen, Optimization of inventory space in smart factory for integrated periodic production and delivery scheduling, *IEEE Transactions on Computational Social Systems* , 1-24, Sep. 2022.

Y. Qiao, Y. J. Lu, J. Li, S. W. Zhang

*IEEE Transactions on Automation*

*Science and Engineering* , vol. 19, no. 3, 1757-1771, Jul. 2022.

J. Li, Y. Qiao, S. W. Zhang

*Applied Sciences* , vol. 11, no. 19, Oct. 2021.

Y. Qiao, S. W. Zhang

*IEEE Transactions on Systems,*

*Man, and Cybernetics: Systems* , vol. 51, no. 3, pp. 1612-1629, March 2021.

Y. Qiao, S. W. Zhang

*Journal of Cleaner Production* , vol. 236, Article 117578, Nov. 2019.

## Patents ( selected )

**S. W. Zhang**, N. Q. Wu, and Z. W. Li, System, method, computer program and data signal for scheduling at least one physical event, *US Patent* 11,263,708 B2, Application No. 15/396,992, Granted Mar. 1, 2022.

**S. W. Zhang**

*Australia Patent* , 2017100002, Filed: 2017-01-03, Granted: 2017-01-19.

## Professional Certification and Awards

*IEEE*

*International Conference on Networking, Sensing and Control* , Xiamen, China, December 3-5, 2021