

## Assistant Professor (Research) Li Yin

Department of Engineering Science, Faculty of Innovation Engineering  
Macau University of Science and Technology



PhD. Supervisor

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### Academic Qualification:

Ph.D. in Computer Technology and Its Application, Macau University of Science and Technology  
M.S. in Geographic Information System, CNNC Beijing Research Institute of Uranium Geology  
B.S. in Remote Sensing Science and Technology, Wuhan University

### Teaching Area

Numerical Analysis  
Pattern Recognition

### Research Area

Petri net, Differential Privacy

### Working Experience

2021 - Present, Assistant Professor, Macau Institute of Systems Engineering, Macau University of Science and Technology  
2018 - 2020, Postdoctoral Fellow, Macau Institute of Systems Engineering, Macau University of Science and Technology

### Research Grants

Fault Diagnosis and Health Management of Elevator System, 0101/2022/A, FDCT

### Representative publications (Complete publication refer to my webpage)

1. Ge Zhang, Xiubin Zhu, Li Yin\*, Witold Pedrycz, Zhiwu Li, "Granular data representation under privacy protection: Tradeoff between data utility and privacy via information granularity," APPLIED SOFT COMPUTING, Vol. 131, 2022,
2. Dong Li, Li Yin\*, Jianzhou Wang, Naiqi Wu, "Game current-state opacity formulation in probabilistic resource automata," INFORMATION SCIENCES, Vol. 613, PP. 96-113, 2022
3. Yongyao Li, Ya Wang, Guanghui Zhu, Li Yin, Huimin Zhang, "Fault diagnosis of PLC-based discrete event systems using Petri nets," MEASUREMENT & CONTROL, Vol. 55, NO. 9, PP. 960-973, 2022
4. Tao Qin, Yifan Dong, Li Yin\*, Naiqi Wu, Zhiwu Li, "Liveness Enforcement for Time Petri Nets," the 8TH INTERNATIONAL CONFERENCE ON CONTROL, DECISION AND INFORMATION TECHNOLOGIES, PP. 1184-1189, 2022
5. Haoming Zhu, Li Yin\*, Naiqi Wu, Zhiwu Li, "Verification of Current-state Opacity for Discrete Event Systems Modeled With Unbounded Petri Nets," the 8TH INTERNATIONAL CONFERENCE ON CONTROL, DECISION AND INFORMATION TECHNOLOGIES, PP. 1261-1266, 2022

Professional Certification and Awards

Journal Editorship

Personal Website