Education

Central South University   09/2017-Now

- **Master-Doctor Combind Program**, School of Automation
- **Research Interests:** Complex Networks || Security of Industrial Cyber-Physical System|| AGV
- **Supervisor:** Chunhua Yang 阳春华
- **Academic Advisor:** Keke Huang 黄科科
- Scholarship for Outstanding Students

Central South University   09/2012-06/2016

- Bachelor of Automation, School of Information Science & Engineering
- Scholarship for Outstanding Students (every year)   09/2013-06/2016

Experiences

- Security of Industrial Cyber-Physical System   01/2020-06/2022
- MIIT-Industrial Internet Innovation Application Platform for Process Industry   01/2019-09/2022
- AGV System for Iron Industrial, Head   12/2017-12/2018
- *Innovation-Driven Plan in Central South University*
- AGV System for Medical Storage, Head   06/2017-/05/2018
- Human Motion Pose Capture and Reconstruction Based on Inertial Sensors, Third Member   03/2015-03/2016
- Honorable Mention of Mathematical Contest in Modeling of American, Head   01/2015

Papers

- **Y. Zhang**, C. Yang, K. Huang, C. Zhou and Y. Li, "Robust Structure Identification of Industrial Cyber-Physical System From Sparse Data: A Network Science Perspective," *IEEE Transactions on Automation Science and Engineering*, 2021, **doi 10.1109/TASE.2021.3062356**.

- **Y. Zhang**, K. Huang, and C. Yang, "Complex Networks Identification Using Bayesian Model with Independent Laplace Prior from Evolutionary Game," *Chaos,* vol 31, no. 21, 2021, **doi: 10.1063/5.0031134**

- **Y. Zhang**, C. Yang, K. Huang, M. Jusup, Z. Wang and X. Li, "Reconstructing Heterogeneous Networks via Compressive Sensing and Clustering," *IEEE Transactions on Emerging Topics in Computational Intelligence*, 2020, **doi: 10.1109/TETCI.2020.2997011.**

- K. Huang, **Y. Zhang**, Y. Li, C. Yang, and Z. Wang, "Effects of External Forcing on Evolutionary Games in Complex Networks," *Chaos: An Interdisciplinary Journal of Nonlinear Science,* vol 28, no. 9, 2018, **doi: 10.1063/1.5040714**

- K. Huang, W. Deng, **Y. Zhang**, and H. Zhu, "Sparse Bayesian Learning for Network Structure Reconstruction Based on Evolutionary Game Data," *Physica A: Statistical Mechanics and its Applications,* vol 541, 2020, **doi: 10.1016/j.physa.2019.123605**

- **Y. Zhang**, C. Yang, K. Huang, "Intrusion Detection of Industrial Internet-of-Things Based on Reconstructed Ked Graph Neural Network," *IEEE Transactions on Network Science and Engineering.* 2022, **doi: 10.1109/TNSE.2022.3184975**

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Skills:

- **Computer Programming**
- **AGV Operation System**
- **Mathematical modeling**
- **Data Mining & Processing**

Interests:

- **Soccer**
- **Martial Arts**
- **Artificial intelligence and Machine Learning**