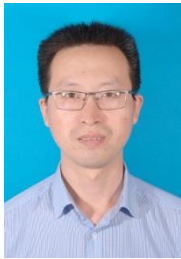


## 南京农业大学人工智能学院师资队伍（个人信息）

姓 名	沈毅	性 别	男	
学 位	工学博士	职 称	副教授	
部 门 (系别)	计算机	E-mail	shen_yi1979@njau.edu.cn	
通信地址	南京市...			
个人简介	<p>● 教育经历（从高中毕业后起）： 2007.03-2010.06 东南大学 信息与通信工程 博士 2002.09-2005.06 江苏大学 固体力学硕士 1998.09-2002.06 江苏大学 食品科学与工程 学士</p> <p>● 工作经历 2010 年至今，南京农业大学</p>			
研究领域	智能复杂系统建模、分析与优化，智能交通系统。			
教授课程	信息技术基础、程序设计语言等。			
承担项目	<p>1) 国家自然科学基金，韧性视角下多模式公共交通网络应急接驳设计方法（批准号：52072068），2021/01-2023/12，参加。</p> <p>2) 江苏省重点研发计划（社会发展）项目，BE2016740，地铁运营安全风险防控关键技术研究与应用，2016/07-2019/06，参加。</p> <p>3) 中国博士后科学基金项目，2016M591747，不确定性需求下的城市轨道交通网络时刻表优化理论研究，2016/01-2017/12，主持。</p> <p>4) 交通运输部科技计划项目，2015318J33080，城市轨道交通网络化运营安全风险防控与示范，2015/01-2017/12，参加。</p>			
学术成果 (论文、专利、 软著等)	<p>[1] <b>Y. Shen*</b>, G. Ren, N. Zhang, et al., Effects of mutual traffic redistribution on robustness of interdependent networks to cascading failures under fluctuant load, Physica A:Statistical Mechanics and Its Applications,2020,560,125138 (SCI)</p> <p>[2] <b>Y. Shen*</b>, G. Ren, B. Ran, Cascading failure analysis and robustness optimization of metro networks based on coupled map lattices: a case study of Nanjing, China, Transportation, 2019, <a href="https://doi.org/10.1007/s11116-019-10066-y">https://doi.org/10.1007/s11116-019-10066-y</a>.(SCI)</p> <p>[3] <b>Y. Shen*</b>, G. H. Song, H. L. Xu, Y. C. Xie, Model of node traffic recovery behavior and cascading congestion analysis in networks, Physica A:Statistical Mechanics and Its Applications,2020,545,123422(SCI)</p> <p>[4] <b>Y. Shen</b>, G. Ren*,Y. Liu, Timetable Design for Minimizing Passenger</p>			

	<p>Travel Time and Congestion for a Single Metro Line, <i>Promet-Traffic &amp; Transportation</i>, 2018, 30(1):21-33.(SCI)</p> <p>[5] <b>Y. Shen</b>, G. Ren*,Y. Liu, Finding the Biased-shortest Path with Minimal Congestion in Networks via Linear-prediction of Queue Length, <i>Physica A:Statistical Mechanics and Its Applications</i>, 2016, 452(7):229-249. (SCI)</p> <p>[6] <b>Y. Shen</b>, G. Ren*, Y. Liu, J. Xu, A Local Fuzzy Method based on “p-strong” Community for Detecting Communities in Networks, <i>Chin. Phys. B.</i>, 2016, 25(6):068901. (SCI)</p> <p>[7] <b>Yi Shen*</b>, Detect Local Communities in Networks with an Outside Rate Coefficient, <i>Physica A:Statistical Mechanics and Its Applications</i>, 2013, 392(12): 2821-2829. (SCI)</p> <p>[8] <b>Yi Shen*</b>, Research on The Search Ability of Brownian Particles on Networks with an Adaptive Mechanism, <i>Physica A:Statistical Mechanics and Its Applications</i>, 2013, 392 (24):6587-6595. (SCI)</p> <p>[9] <b>Yi Shen*</b>, An Adaptive Strategy based on Linear Prediction of Queue Length to Minimize Congestion in Barabasi–Albert Scale-free Networks, <i>Chin. Phys. B</i>, 2013, 22(5):058902. (SCI)</p> <p>[10] <b>Yi Shen*</b>, A Thermal Flux-diffusing Model for Complex Networks and its Applications in Community Structure Detection, <i>Chin. Phys. B</i>, 2013, 22(5):058903. (SCI)</p> <p>[11] <b>Yi Shen*</b>, Wenjiang Pei, Kai Wang, A Self-organizing Shortest Path Finding Strategy on Complex Networks , <i>Chin. Phys. B</i>, 2009, 18(9):3783-3789. (SCI)</p> <p>[12] <b>Yi Shen*</b>, Wenjiang Pei, Kai Wang, Recursive Filtration Method for Detecting Community Structure in Networks , <i>Physica A: Statistical Mechanics and Its Applications</i>, 2008, 387(26):6663-6670. (SCI)</p>
奖励荣誉	无。

社会兼职	中国、江苏计算机学会会员。
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