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职 称	副教授	系别	农业机械化系/交通与车辆工程系	
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单位地址	南京市浦口区点将台路 40 号	邮编	210031	
研究领域	设施选址与网络优化、数据挖掘-行为建模-空间优化、农产品运输、乡村土地开发			
社会兼职				
承担项目	1. 国家自然科学基金青年基金：城乡基本公共服务均等化理念下的应急车辆配置模式和布局问题研究(编号：51008160) 2. 中国博士后基金项目：城市应急服务设施布局与应急交通网络组合规划—数学模型及算法(编号：20080430686) 3. 南京农业大学中央高校基本科研业务费项目：多业态流通网络中农产品批发市场布局规划方法研究(编号：SKZK2015005)			
学术成果	近期主要论文： [1].Yang Liu,Hao Pang,Yun Yuan.A Infinite-Line Capacity Spatial Queuing Model with Non-homogeneous servers for Emergency Vehicle Location Problem: Formulation, Solution, and Case Study.The 20th International Conference of Hong Kong Society for Transportation Studies, 2015: 415-423 [2].Yang Liu,Yun Yuan,Yi Chen,Ling-xiao Ruan,Hao Pang.A Chance Constrained Goal Programming Model for Location-Routing Problem under Uncertainty// Zhang,R.,Zhang,Z.,Liu,K.,Zhang, J.LISS 2013. Springer, 2015: 105-116. [3].Yun Yuan,Yang Liu,Si-Hong Zhu. Optimization for Identifying Critical Emergency Evacuation Facilities on Stochastic Transportation Networks. International Journal of Industrial and Systems Engineering,2016 [4].刘杨,袁昀,朱思洪.拥挤交通网络中关键应急避难场所识别模型与求解.中国安全科学学报,2015,25(6):167-171 [5].袁昀,刘杨,朱思洪,王江波.应急避难场所选址最大准备度覆盖模型及其算法.自然灾害学报,2015,24(2):8-14 [6].Yang Liu,Yun Yuan,Yu-hui Li,Hao Pang.A Chance Constrained Programming Model for Reliable Emergency Vehicles Relocation Problem. 13th COTA International Conference of Transportation Professionals(CICTP 2013), Procedia-Social and Behavioral Science,Elsevier,2013, 96(6):671-682 [7].Yun Yuan,Yang Liu.A Bi-level Model for Identifying Critical Emergency Evacuation Facilities in Stochastic Transportation Networks.The 18th International Conference of Hong Kong Society for Transportation Studies,2013 [8].庞浩,刘杨,袁昀,朱思洪.城市应急车辆配置决策支持系统结构设计与应用.中国安全科学学报, 2013, 23(7): 151-156. [9].Yang Liu,Yun Yuan,Hao Pang,Ling-Xiao Ruan.A Bi-Level Model for Identifying Critical Emergency Evacuation Facilities in Transportation Networks.12th COTA International Conference of Transportation Professionals(CICTP 2012,ASCE 2012),2012: 2579-2590 授权专利：			

	<p>1.基于多传感器的汽车防碰撞及行人保护预警系统，实用新型专利(发文号 2015100700218820，专利号 201520429645.7) 软件著作权</p> <p>1.交通网络中关键设施识别系统 V1.0，计算机软件著作权,2013SR081263. 2.城市应急车辆配置决策支持系统 V1.0，计算机软件著作权,2011SR092635</p>
奖励荣誉	

Teaching staff/ Personal information

Name	Liu Yang	Gender	Male	
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Unit address	No.40 Dianjiangtai Rd. Pukou Dist. Nanjing	Post code	210031	
Research field	Facility location and network Optimization, Data mining-behavior modelling-spatial optimization, Agricultural Transportation, Rural Land Development			
Social appointments				
Research projects	<p>1.Research of emergency vehicle location mode and optimization method based on equalization of basic public services.National Science Foundation of China</p> <p>2.Integrated urban emergency facilities location and emergency transportation network design-Models and algorithms.China PosDoctor Fund Project</p> <p>3.Research on multi-stage agricultural commodities wholesale market planning method. Fundamental Research Funds for the Central Universities</p>			
Academic achievements	<p>1.Liu,Y.*,Pang,H.,Yuan,Y.,A infinite-line capacity spatial queuing model with non-homogeneous servers for emergency vehicle location Problem:Formulation, solution, and case study,The 20th International Conference of Hong Kong Society for Transportation Studies,415-423,Hong Kong</p> <p>2.Liu,Y.*,Yuan,Y.,Chen,Y.,Ruan,L.,Pang,H.A chance constrained goal programming model for location-routing problem under uncertainty,LISS 2013, Springer,105-116, Berlin</p> <p>3.Yuan,Y., Liu,Y.*,Zhu,S.Optimization of identifying critical emergency evacuation facilities in stochastic transportation network. International Journal of Industrial and Systems Engineering, In Press</p> <p>4.Yuan,Y.,Liu,Y.*,Zhu,S.,Wang,J.Maximal preparedness coverage model and its algorithm for emergency shelter location.Journal of Natural Disasters.24(2):8-14</p> <p>5.Liu,Y.*,Yuan,Y.,Zhu,S.Model and algorithm for identifying critical emergency shelters in congested traffic networks.China Safety Science Journal.25(6):167-171</p> <p>6.Pang,H.,Liu,Y.*,Yuan,Y.,Zhu,S.Architecture design and application of urban emergency vehicles deployment decision support system. China Safety Science Journal,23(7):151-156</p>			

	<p>7. Liu, Y. *, Yuan, Y., Li, Y., Pang, H. A Chance Constrained Programming Model for Reliable Emergency Vehicles Relocation Problem, <i>Procedia-Social and Behavioral Sciences</i>, 96(6):671-682</p> <p>8. Liu, Y., Yuan, Y., Pang, H., Ruan, L. A bi level model for identifying critical emergency evacuation facilities in transportation networks, 12th COTA International Conference of Transportation Professionals (CICTP 2012), 2579-2590, BeiJing</p> <p>Patent</p> <p>Liu, Y., Jia, Y. Vehicle anti collision and pedestrian protection early warning system based on multi sensors. No. 201520429645.7, China</p> <p>Computer software</p> <p>Liu, Y., Yuan, Y. Critical facility Identification system in transport network. No. 2013SR081263, Registration of Computer Software Copyright of China</p> <p>Liu, Y., Yuan, Y., Pang, H. Urban emergency vehicle allocation decision support system. No. 2011SR092635, Registration of Computer Software Copyright of China</p>
<p>Reward & honor</p>	