



师资队伍

Teaching staff

学术科研

您所在的位置：教师科研 > 师资队伍

详细资料

Details



李德英

李德英，女，博士，中国人民大学信息学院计算机科学与技术系教授，博士生导师。长期从事物联网和社会网络方面研究，先后在国内外期刊和国际会议上发表论文100多篇，包括国际期刊如IEEE TMC, IEEE TC, IEEE TPDS, IEEE TON, ACM TKDD, WWW Journal, IEEE TET...

电话：62519223

电子邮箱：deyingli@ruc.edu.cn

[更多](#)

教育经历1981.09-1985.07 华中师范大学数学系本科
1985.09-1988.07 华中师范大学数学系硕士
2000.11-2003.12 香港城市大学计算机科学系博士研究生

工作经历

1998.12-2000.08 香港城市大学计算机科学系访问学者
2005.02-2005.09 香港理工大学博士后
2007.07-2007.08 香港城市大学计算机科学系访问学者
1988.07-2004.03 华中师范大学数学系讲师、副教授
2004.04-2006.06 中国人民大学信息学院副教授
2006.06-至今 中国人民大学信息学院教授

研究方向

物联网
社会网络
数据网络
图优化理论与算法

讲授课程

离散数学、图论、运筹学

科研项目

1. 国家自然科学基金面上项目 “大规模社会网络信息处理优化技术研究” 项目负责人 2017-2020

2. 国家自然科学基金重点项目 “面向非常规突发事件主动感知与应急指挥的物联网技术与系统” 子项目负责人 2012-2014
3. 国家自然科学基金项目, “水下传感器网络设计关键技术研究” 项目负责人 2011-2013
4. 国家自然科学基金项目, “组合优化在无线网络中的应用” 项目负责人 2006-2009
5. 中国人民大学明德青年学者培育项目, “无线网络中的优化问题的研究” 项目负责人 2010-2013
6. 教育部博导基金项目, “水下传感器网络监控覆盖及调度的关键技术研究” 项目负责人 2012-2013

科研成果

国际期刊

1. Ruidong Yan, Yi Li, Weili Wu, Deying Li*, and Yongcai Wang: Rumor Blocking through online link deletion on social networks, ACM TKDD, 2019
2. Ruidong Yan, Yuqing Zhu, Deying Li*, Zilong Ye: Minimum cost seed set for threshold influence problem under competitive models, WWW Journal, 2019
3. Xuehan Ye, Shuo Huang, Yongcai Wang, Wenping Chen, Deying Li: Unsupervised Localization by Learning Transition Model. IMWUT 3(2): 65:1-65:23 (2019)
4. Yi Hong, Deying Li, Qiang Wu, Hua Xu: Priority-Oriented Route Network Planning for Evacuation in Constrained Space Scenarios. J. Optimization Theory and Applications 181(1): 279-297 (2019)
5. Chuanwen Luo, Jiguo Yu, Deying Li, Honglong Chen, Yi Hong, Lina Ni: A Novel Distributed algorithm for constructing virtual backbones in wireless sensor networks. Computer Networks 146: 104-114 (2018)
6. Yongcai Wang, Tianyuan Sun, Guoyao Rao, Deying Li: Formation Tracking in Sparse Airborne Networks. IEEE Journal on Selected Areas in Communications 36(9): 2000-2014 (2018)
7. Xuehan Ye, Yongcai Wang, Yuhe Guo, Wei Hu, Deying Li: Accurate and Efficient Indoor Location by Dynamic Warping in Sequence-Type Radio-map. IMWUT 2(1): 50:1-50:22 (2018)
8. Tianyuan Sun, Yongcai Wang, Deying Li, Zhaoquan Gu, Jia Xu: WCS: Weighted Component Stitching for Sparse Network Localization. IEEE/ACM Trans. Netw. 26(5): 2242-2253 (2018)
9. Yuqing Zhu, Deying Li*, Ruidong Yan, Weili Wu, Yuanjun Bi: Maximizing the Influence and Profit in Social Networks. IEEE Trans. Comput. Social Systems 4(3): 54-64 (2017)

10. Donghyun Kim, Lirong Xue, Deying Li*, Yuqing Zhu, Wei Wang, Alade O. Tokuta: On Theoretical Trajectory Planning of Multiple Drones To Minimize Latency in Search-and-Reconnaissance Operations. *IEEE Trans. Mob. Comput.* 16(11): 3156-3166 (2017)
 11. Wei Wang, Bei Liu, Donghyun Kim, Deying Li, Jingyi Wang, Wei Gao:
A New Constant Factor Approximation to Construct Highly Fault-Tolerant Connected Dominating Set in Unit Disk Graph. *IEEE/ACM Trans. Netw.* 25(1): 18-28 (2017)
 12. Yuqing Zhu, Weili Wu, Deying Li*: Efficient Client Assignment for Client-Server Systems. *IEEE Trans. Network and Service Management* 13(4): 835-847 (2016)
 13. Bei Liu, Wei Wang, Donghyun Kim, Deying Li, Jingyi Wang, Alade O. Tokuta, Yaolin Jiang: On Approximating Minimum 3-Connected m -Dominating Set Problem in Unit Disk Graph. *IEEE/ACM Trans. Netw.* 24(5): 2690-2701 (2016)
 14. Yuqing Zhu, Weili Wu, Deying Li*, Ling Ding: A Double-Auction-Based Mechanism to Stimulate Secondary Users for Cooperative Sensing in Cognitive Radio Networks. *IEEE Trans. Vehicular Technology* 64(8): 3770-3782 (2015)
 15. Deying Li*, Qinghua Zhu, Hongwei Du, Jianzhong Li: An improved distributed data aggregation scheduling in wireless sensor networks. *J. Comb. Optim.* 27(2): 221-240 (2014)
 16. Huan Ma, Zaixin Lu, Deying Li*, Yuqing Zhu, Lidan Fan, Weili Wu: Mining hidden links in social networks to achieve equilibrium. *Theor. Comput. Sci.* 556: 13-24 (2014)
 17. Yuqing Zhu, Deying Li*, Wen Xu, Weili Wu, Lidan Fan, James Willson: Mutual-Relationship-Based Community Partitioning for Social Networks. *IEEE Trans. Emerging Topics Comput.* 2(4): 436-447 (2014)
 17. Deying Li, Zewen Liu, Yi Hong, Wenping Chen, Huan Ma:
Minimum energy multicast/broadcast routing with reception cost in wireless sensor networks. *Theor. Comput. Sci.* 497: 173-180 (2013)
 18. David Hongwei Du, Weili Wu, Qiang Ye, Deying Li, Wonjun Lee, Xuepeng Xu: CDS-Based Virtual Backbone Construction with Guaranteed Routing Cost in Wireless Sensor Networks. *IEEE Trans. Parallel Distrib. Syst.* 24(4): 652-661 (2013)
- 国际会议
1. Yuqing Zhu, Deying Li*: Host Profit Maximization for Competitive Viral Marketing in Billion-Scale Networks. *INFOCOM 2018*: 1160-1168
 2. Guangmo Amo Tong, Weili Wu, Ling Guo, Deying Li, Cong Liu, Bin Liu, Ding-Zhu Du: An efficient randomized algorithm for rumor blocking in online social networks. *INFOCOM 2017*: 1-9
 3. Yuqing Zhu, Deying Li*, Zhao Zhang: Minimum cost seed set for competitive social influence. *INFOCOM 2016*: 1-9

4. Wei Wang, Bei Liu, Donghyun Kim, Deying Li, Jingyi Wang, and Yaolin Jiang: A Better Constant Approximation of Minimum 3-connected m -dominating Set Problem in Unit Disk Graph using Tutte Decomposition. Proceedings of the 34th IEEE International Conference on Computer Communications (INFOCOM 2015), April 26-30, 2015, Hong Kong. (accept rate: $316/1,640 = 19.2\%$)
5. Lirong Xue, Donghyun Kim, Yuqing Zhu, Deying Li*, Wei Wang, and Alade O. Tokuta: Multiple Heterogeneous Data Ferry Trajectory Planning in Wireless Sensor Networks. Proceedings of the 33rd IEEE International Conference on Computer Communications (INFOCOM 2014), April 27, 2014 - May 2, 2014, Toronto, Canada. (accept rate: $320/1645 = 19.4\%$)
6. Yuqing Zhu, Yiwei Jiang, Weili Wu, Ling Ding, Ankur Teredesai, Deying Li*, Wonjun Lee: Minimizing makespan and total completion time in MapReduce-like systems. INFOCOM 2014: 2166-2174.
7. Yuqing Zhu, Weili Wu, James Willson, Ling Ding, Lidong Wu, Deying Li, Wonjun Lee: An approximation algorithm for client assignment in client/server systems. INFOCOM 2014: 2777-2785
8. Lidong Wu, Hongwei Du, Weili Wu, Deying Li, Jing Lv, Wonjun Lee: Approximations for Minimum Connected Sensor Cover. INFOCOM 2013: 1187-1194
9. Huan Ma, Meng Yang, Deying Li*, Yi Hong, Wenping Chen: Minimum camera barrier coverage in wireless camera sensor networks. INFOCOM 2012: 217-225
10. Changcun Ma, Deying Li*, Hongwei Du, Huan Ma, Yuexuan Wang, Wonjun Lee: Energy efficient broadcast in multiradio multichannel wireless networks. INFOCOM 2012: 1907-1915
11. Hongwei Du, Qiang Ye, Weili Wu, Wonjun Lee, Deying Li, Ding-Zhu Du, Stephen Howard: Constant approximation for virtual backbone construction with Guaranteed Routing Cost in wireless sensor networks. INFOCOM 2011: 1737-1744
12. Jiang Wang, Yuqing Zhu, Deying Li*, Wenping Chen, Yongcai Wang: Joint User Attributes and Item Category in Factor Models for Rating Prediction. DASFAA (1) 2016: 277-296
13. Ling Guo, Deying Li*, Yuqing Zhu, and Donghyun Kim: PTZ Camera Scheduling for Selected Area Coverage in Visual Sensor Networks. Proceedings of The 35th International Conference on Distributed Computing Systems (ICDCS 2015), Jun 29, 2015 - Jul 2, 2015, Columbus, Ohio, USA. (accept rate: $70/543 = 12.89\%$)
14. Yuqing Zhu, Zaixin Lu, Yuanjun Bi, Weili Wu, Yiwei Jiang, Deying Li: Influence and profit: Two Sides of the Coin. ICDM 2013: 1301-1306

中国计算机学会传感器网络专委会委员

国际期刊DMAA编委

荣誉获奖

Copyright © 2015 School of Information, Renmin University of China. All rights reserved.
版权所有中国人民大学信息学院

地址：北京市海淀区中关村大街59号
邮编：100872