



# KUN WANG

Research Fellow, SMIEEE

6723, Boelter Hall, Department of Electrical and Computer Engineering,  
University of California, Los Angeles (UCLA),  
Los Angeles, 90095, CA

✉ (424)-361-9318

✉ wangk@ucla.edu

✉ <http://www.escience.cn/people/kwang/index.html>

✉ [https://scholar.google.com/citations?hl=zh-CN&user=PsRe\\_NYAAAAJ](https://scholar.google.com/citations?hl=zh-CN&user=PsRe_NYAAAAJ)

## EMPLOYMENT

- 2018.12–present **Research Fellow in Electrical Engineering Department, University of California, Los Angeles (UCLA), Los Angeles, CA, US.**
- 2017.6–2018.11 **Research Fellow in Department of Computing, The Hong Kong Polytechnic University, Hong Kong, China.**
- 2013.12–2015.1 **Postdoctoral Fellow in Electrical Engineering Department, University of California, Los Angeles (UCLA), Los Angeles, CA, US.**
- 2009.9–2013.12 **Teaching staff in School of Computer Science, New York Institute of Technology (Nanjing Campus), Nanjing, China.**
- 2009.6–present **Assistant Professor, Associate Professor, Professor in School of Internet of Things, Nanjing University of Posts and Telecommunications, Nanjing, China.**

## Education

- 2015.1-2018.3 **Ph.D. in Computer Science, The University of Aizu, Aizuwakamatsu, Japan.**
- 2004.7-2009.6 **Ph.D. in Information Security, Nanjing University of Posts and Telecommunications, Nanjing, China.**
- 2000.9-2004.6 **B.S. in Computer Science, Nanjing University of Posts and Telecommunications, Nanjing, China.**

## Awards

- 2018 **IEEE TCGCC Best Magazine Paper Award.**
- 2018 **Young and Middle-aged Academic Leaders of the Qinglan Project in Jiangsu Province.**
- 2017 **Science and Technology Progress Award of Jiangsu Province (Third Class Award).**
- 2016 **IEEE GLOBECOM 2016 Best Paper Award.**
- 2016 **Science and Technology Progress Award of Telecommunications in Jiangsu Province (First Class Award).**
- 2016 **Science and Technology Progress Award of Nanjing City (Third Class Award).**
- 2015 **Outstanding Technical Paper Award of Nanjing City.**

- 2015 **Nanjing 321 High-Tech Talents Award.**  
2014 **Excellent Young Teachers of the Qinglan project in Jiangsu Province.**  
2011 **Outstanding Technical Paper Award of Nanjing City.**  
2010 **Excellent Doctoral Dissertation Award of Jiangsu Province.**  
2009 **Outstanding Technical Paper Award of Nanjing City.**

## EDITORIAL BOARDS

- 2018–Present **Associate Editor**, IEICE Transactions on Communications (SCI).  
2016–Present **Editor**, Journal of Network and Computer Applications (SCI, IF: 2.331).  
2014–Present **Associate Editor**, IEEE Access (SCI, IF: 3.25).  
2014–Present **Area Editor**, Industrial Networks and Intelligent Systems.  
2018.12 **Guest Editor**, Special issue on “Edge Intelligence for Industrial Internet of Things”, IEEE Network (SCI, IF: 7.231).  
2018.5 **Leading Guest Editor**, Special issue on “Energy Management in Buildings”, IEEE Access (SCI).  
2018.5 **Guest Editor**, Special issue on "Computation Intelligence for Energy Internet", Future Generation Computer Systems (SCI).  
2017.12 **Leading Guest Editor**, Special issue on “The Internet of Energy: Architectures, Cyber Security, and Applications (PART II)”, IEEE Access (SCI).  
2017.1 **Guest Editor**, Special issue on “Big Data Networking”, Peer-to-Peer Networking and Applications (SCI).  
2016.12 **Leading Guest Editor**, Special issue on “The Internet of Energy: Architectures, Cyber Security, and Applications (PART I)”, IEEE Access (SCI).  
2015.9 **Guest Editor**, Special issue on “Industrial Applications of Big Data and Internet of things”, Journal of Internet Technology (SCI).  
2015.3 **Guest Editor**, Special issue on “Industrial Sensor Networks with Advanced Data Management: Design and Security”, IEEE Access (SCI).

## PROFESSIONAL REVIEW PANELS AND COMMITTEES

- 2012–Present **Panelist**, National Science Foundation of China.  
2014–Present **Panelist**, National Science Foundation of Jiangsu Province.  
2012–Present **Panelist**, IEEE Senior Member.  
2013–Present **Panelist**, ACM Member.  
2014–Present **Panelist**, CCF Member.

## TECHNICAL PROGRAM COMMITTEE ASSIGNMENTS

- 2017 **Track Chair**, IEEE CCNC 2017, Las Vegas, NA, US.  
2016 **Special Session Chair**, IEEE IECON 2016, Oct. 23-27, 2016, Florence, Italy.  
2016 **Track Chair**, IEEE EEEIC 2016, Jun. 7-10, 2016, Florence, Italy.  
2016 **Publication Co-Chair**, IEEE ICCC 2016, Chengdu, China.  
2016 **Symposium Chair**, Wireless Networks Symposium in IEEE WCSP 2016, Yangzhou, China.(2016).  
2016 **Publicity Chair**, IEEE BDSTA Workshop, in conjunction with IEEE INFOCOM 2016, San Francisco, CA, US.  
2016 **General Chair**, SNCC 2016, in conjunction with QSHINE 2016, August, 2016, Seoul, South Korea.  
2015 **General Chair**, SNCC 2015, in conjunction with QSHINE 2015, August 19–20, 2015, Taipei, Taiwan.

- 2015 **General Chair**, Special Session on “Security Challenges in Wireless Body Area Sensor Networks”, in conjunction with INIScom 2015, March 2–4, 2015, Tokyo, Japan.
- 2015 **Demo Chair**, NCCA 2015, Maoming, China.
- 2014 **Publicity Chair**, Chinacom 2014, Maoming, China.

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## REVIEWER FOR JOURNALS

**IEEE Transactions on Neural Networks and Learning Systems.**

**IEEE Transactions on Emerging Topics in Computational Intelligence.**

**IEEE Transactions on Image Processing.**

**IEEE Transactions on Parallel and Distributed Systems.**

**IEEE Transactions on Networking.**

**IEEE Transactions on Mobile Computing.**

**IEEE Transactions on Wireless Communications.**

**IEEE Transactions on Emerging Topics in Computing.**

**IEEE Transactions on Industrial Informatics.**

**IEEE Transactions on Information Forensics and Security.**

**IEEE Transactions on Vehicular Technology.**

**IEEE Transactions on Communications.**

**IEEE Transactions on Sustainable Computing.**

**IEEE Transactions on Big Data.**

**IEEE Transactions on Network Science and Engineering.**

**IEEE Transactions on Cloud Computing.**

**IEEE Transactions on Smart Grid.**

**IEEE Communications Surveys and Tutorials.**

**IEEE Communications Magazine.**

**IEEE Wireless Communications.**

**IEEE Computational Intelligence.**

**IEEE Network.**

**IEEE Wireless Communications Letter.**

**IEEE Sensors Journal.**

**IEEE Systems Journal.**

**IEEE Internet of Things Journal.**

**IEEE Access.**

**IET Communications.**

**IET Information Security.**

**Mobile Networks and Applications.**

**EURASIP Journal on Wireless Communications and Networking.**

**Journal of Computer and System Sciences.**

**Security and Communication Networks.**

**Wireless Personal Communications.**

**Wireless Networks.**

## SUPERVISION/EXAMINATION

- 2010.4-present **MSc Supervision/Examination (NUPT, CHINA)**: Yue YU, Huang GUO, Shuo FANG, Mingxiang ZHANG, Hui GAO, Heng LU, Yuhua ZHANG, Linchao ZHUO, Lili XU, Xin QI, Li YANG, Yunqi WANG, Ligu GU, Jun MI, Xiaoming HE, Zhenyu WANG, Jinyuan LU, Enting GUO, Weidong LU, Yueyan Chen, Haodong LU, Wen LEI, Rong MA, Kai QIAN.
- 2015.4-present **PhD Supervision (NUPT, CHINA)**: Xiaoxuan HU, Huiling Li, Qihua ZHOU.
- 2016.9-present **PhD Examination**: Qiao Hu (CityU, HK), Navroop Kaur (Guru Nanak Dev University, INDIA), Chengang ZHU (SEU, CHINA), Wenbin Pan (SEU, CHINA).

## PRINCIPAL INVESTIGATOR PROJECTS

- 2019.1–2022.12 **NSFC (61872195)**, *Data Security in Edge Computing* (770,000 RMB).
- 2018.6–2019.5 **State Grid**, *Research on Blockchain Implementation in Grid Operation and Maintenance* (350,000 RMB).
- 2018.10–2019.9 **State Grid**, *Research on Safety Access of Marketing Field Terminal in Smart Grid* (185,000 RMB).
- 2018.8–2019.7 **State Grid**, *Research on Backtracking Mining Technology for Continuous Attack Events in Wide Time Domain* (180,000 RMB).
- 2018.4–2019.3 **State Grid**, *Research on Unknown Security Threat Detection Technology Based on Big Data Analysis* (120,000 RMB).
- 2018.1–2021.12 **NSFC (61772286)**, *Research on Techniques of Data Aware Processing and Cognitive Management in Energy Internet* (Co-PI, 780,000 RMB).
- 2017.9–2018.9 **State Grid**, *Intelligent Anti-sabotage Detection based on IoT for Underground Cables in Smart Grid* (337,000 RMB).
- 2017.8–2018.8 **State Grid**, *Research on Panoramic Scanning for Electric Devices in Smart Grid* (202,000 RMB).
- 2017.7–2019.6 **China Postdoctoral Science Special Foundation (2017T100297)**, *Research on Integrated Big Data Management for Energy Internet* (150,000 RMB).
- 2017.6–2019.5 **China Postdoctoral Science Foundation (2017M610252)**, *Research on Techniques of Complex Event Processing in Stream Computing based on Context-aware Data Stream* (80,000 RMB).
- 2016.1–2019.12 **NSFC (61572262)**, *Research on Techniques of Complex Event Processing in Stream Computing based on Context-aware Data Stream* (770,000 RMB).
- 2016.5–2016.12 **State Grid**, *Communications Routing Transfer in Energy Internet* (149,760 RMB).
- 2016.1–2016.12 **ZTE, Co.Ltd**, *Consumers Aware oriented 4G-LTE Data Mining for Wireless Network Optimization* (180,000 RMB).
- 2015.9–2016.8 **State Grid**, *Communications Security in Energy Internet* (188,800 RMB).
- 2015.7–2017.6 **Ministry Education Lab Opening fund (NYKL201507)**, *Complex Event Processing Model in Big Data Processing* (50,000 RMB).
- 2014.7–2017.6 **NSF of Jiangsu (BK20141427)**, *Research on Techniques of Complex Event Processing in Stream Computing based on Real-time Perceptive Out-of-Order Data* (100,000 RMB).
- 2014.5–2015.5 **Huawei Technologies, Co.Ltd (YB2014010048)**, *Research on Key techniques of models in cognitive computing* (200,000 RMB).
- 2012.1–2014.12 **NSFC (61100213)**, *Research on secure-based natural cooperation in Delay Tolerant MANET* (210,000 RMB).
- 2012.1–2014.12 **SRFDP(20113223120007)**, *Research on cooperative communications in Delay Tolerant Networks* (40,000 RMB).
- 2012.7–2013.6 **Huawei Technologies, Co.Ltd (YBWL2012SKL07)**, *Research on techniques of Data Mining in Wireless Network Optimization* (110,000 RMB).

2011.7–2013.6 **Ministry Education Lab Opening fund (NYKL201107)**, *Research on techniques of Fault tolerant in Wireless Sensor Networks* (50,000 RMB).

## AUTHORIZED PATENTS

- 2016.9 **K. Wang**, S. Fang, Y. Sun, M. Wu, and H. Xu, "A RFID-based control approach for Vehicle loading and unloading in logistics" (Chinese Patent) , [ZL201310549887.5].
- 2016.8 **K. Wang**, S. Fang, Y. Sun, M. Wu, and H. Xu, "A security assessment approach based on user authority between Android applications" (Chinese Patent) , [ZL201310521790.3].
- 2016.8 **K. Wang**, Y. Zhang, H. Gao, Y. Sun, M. Wu, H. Guo, and S. Chen, "An improved probability routing algorithm based on node's activity in DTMSN" (Chinese Patent) , [ZL201310533854.1].
- 2016.7 **K. Wang**, and H. Guo, "A social awareness based congestion control algorithm in DTN" (Chinese Patent) , [ZL201310495314.9].
- 2016.3 **K. Wang**, L. Zhuo, Y. Sun, M. Wu, H. Guo, and H. Gao, "A model-matching algorithm based on BP over out-of-order streams" (Chinese Patent) , [ZL201310526631.2].
- 2014.11 **K. Wang**, and H. Guo, "An improved routing algorithm based on social link in DTN" (Chinese Patent) , [ZL201210385532.2].
- 2014.10 **K. Wang**, Y. Yu, J. Bao, H. Hu, H. Guo, and S. Fan, "A socket design approach oriented on IoT" (Chinese Patent) , [ZL201210038597.X].
- 2013.8 **K. Wang**, L. Wang, Q. Sun, X. Li, and L. Zhang, "An technique on automatic heating method controlled by mobile phone with optical tracking and solar-power" (Chinese Patent) , [ZL201110245402.4].
- 2013.3 **K. Wang**, M. Wu, and S. Shen, "An technique on cooperative communications based on trust model in mobile ad hoc networks" (Chinese Patent) , [ZL201010278951.7].

## PUBLISHED BOOK

- 2018.12 **S. Zhong, H. Zhong, X. Huang, P. Yang, J. Shi, L. Xie, and K. Wang**, **Security and Privacy for Next-Generation Wireless Networks**, Springer Publisher, ISBN: 9783030011499, 2018.12.
- 2018.8 **B. Liu, W. Zhou, T. Zhu, Y. Xiang, and K. Wang**, **Location privacy in mobile applications**, Springer Publisher, ISBN: 9789811317040, 2018.8.
- 2014.1 **K. Wang**, **Ubiquitous Computing**, Tsinghua Publisher, ISBN: 9787512116771, 2014.1.

## PUBLISHED BOOK CHAPTERS

- 2014 **K. Wang**, L. Wang, and Y. Zhang, "C-PESA: An Improved Comentropy-based PESA Algorithm," Springer-Verlag Publisher, Springer Lecture Notes in Electrical Engineering, Vol. 238, special issue on Unifying Electrical Engineering and Electronics Engineering, pp. 2041-2049, 2014 .
- 2010 **K. Wang**, M. Wu, and S. Shen, "Trust-based Cooperative Communications in Wireless Multi-hop Networks", in Communications and Networking, Sciendo Publisher, ISBN 978-953-307-114-5, Sept. 2010 .
- 2008 **K. Wang** and M. Wu, "An Incentive-Based Secure Charging Scheme for Integrating Networks," Springer-Verlag Publisher, Springer Lecture Notes in Computer Science, Vol. 5236, special issue on Computer Supported Cooperative Work in Design (CSCWD), pp. 432-442, 2008 .
- 2007 **K. Wang** and M. Wu, "A Trust Approach for Node Cooperation in MANET," Springer-Verlag Publisher, Springer Lecture Notes in Computer Science, Vol. 4864, special issue on Mobile Ad-Hoc and Sensor Networks (MSN), pp. 481-491, 2007 .

## PUBLISHED JOURNAL PAPERS

- In press **[J87]** X. Hu, P. Li, **K. Wang**, Y. Sun, D. Zeng, X. Wang, and S. Guo, "Joint workload scheduling and energy management for green data centers powered by fuel cells", IEEE Transactions on Green Communications and Networking, 2019.1, to appear. .

- In press [J86] H. Li, **K. Wang\***, T. Miyazaki, C. Xu, Y. Sun, and S. Guo, "Trust-enhanced content delivery in blockchain based information-centric networking", IEEE Network, 2019.1, to appear. (IF: 7.197) .
- Online [J85] C. Xu, **K. Wang\***, P. Li, S. Guo, J. Luo, B. Ye, and M. Guo, "Making big data open in edges: a resource-efficient blockchain-based approach", IEEE Transactions on Parallel and Distributed Systems, Sept. 2018, DOI: 10.1109/TPDS.2018.2871449.(IF:4.097) .
- Online [J84] **K. Wang\***, Y. Shao, L. Xie, J. Wu, and S. Guo, "Adaptive and fault-tolerant data processing in healthcare iot based on fog computing", IEEE Transactions on Network Science and Engineering, Jul. 2018, DOI:10.1109/TNSE.2018.2859307. .
- Online [J83] X. Liu, J. Yin, S. Zhang, B. Ding, S. Guo, and **K. Wang**, "Range-based localization for sparse 3D sensor networks", IEEE Internet of Things Journal, Jul. 2018, DOI:10.1109/JIOT.2018.2856267.(IF: 7.596) .
- Online [J82] C. Xu, **K. Wang\***, Y. Sun, S. Guo, and A. Zomaya, "Redundancy avoidance for big data in data centers: a conventional neural network approach", IEEE Transactions on Network Science and Engineering, June. 2018, DOI:10.1109/TNSE.2018.2843326. .
- Online [J81] M. Du, **K. Wang\***, Z. Xia, and Y. Zhang, "Differential privacy preserving of training model in wireless big data with edge computing", IEEE Transactions on Big Data, May. 2018, DOI:10.1109/TBDA.2018.2829886. .
- Online [J80] C. Xu, **K. Wang\***, P. Li, R. Xia, S. Guo, and M. Guo, "Renewable energy-aware big data analytics in geo-distributed data centers with reinforcement learning", IEEE Transactions on Network Science and Engineering, Mar. 2018, DOI: 10.1109/TNSE.2018.2813333. .
- Online [J79] X. He, **K. Wang\***, H. Huang, Y. Wang, and S. Guo, "Green resource allocation based on deep reinforcement learning in content-centric IoT", IEEE Transactions on Emerging Topics in Computing, Feb. 2018, DOI:10.1109/TETC.2018.2805718. (IF:3.826) .
- Online [J78] H. Huang, P. Li, S. Guo, W. Liang, and **K. Wang**, "Near-optimal deployment of service chains by exploiting correlations between network functions", IEEE Transactions on Cloud Computing, Dec. 2017, DOI:10.1109/TCC.2017.2780165. .
- Online [J77] J. Yu, **K. Wang\***, P. Li, R. Xia, S. Guo, and M. Guo, "Efficient trustworthiness management for malicious user detection in big data collection", IEEE Transactions on Big Data, Oct. 2017, DOI:10.1109/TBDA.2017.2761386. .
- Online [J76] J. Zhang, Z. Wang, **K. Wang**, S. Guo, and M. Guo, "Improving power efficiency for online video streaming service: a self-adaptive approach", IEEE Transactions on Sustainable Computing, Aug. 2017, DOI: 10.1109/TSUSC.2017.2739798. .
- Online [J75] **K. Wang**, C. Xu, Y. Zhang, S. Guo, and A. Zomaya, "Robust big data analytics for electricity price forecasting in the smart grid", IEEE Transactions on Big Data, Jul. 2017, DOI:10.1109/TBDA.2017.2723563. .
- Online [J74] M. Du, **K. Wang\***, X. Liu, S. Guo, and Y. Zhang, "A differential privacy-based query model for sustainable fog data centers", IEEE Transactions on Sustainable Computing, Jun. 2017, DOI: 10.1109/TSUSC.2017.2715038. .
- Online [J73] **K. Wang**, J. Yu, X. Liu, and S. Guo, "A pre-authentication approach to proxy re-encryption in big data context", IEEE Transactions on Big Data, May. 2017, DOI: 10.1109/TBDA.2017.2702176. .
- 2019.2 [J72] Y. Wang, **K. Wang\***, H. Huang, T. Miyazaki, and S. Guo, "Traffic and computation co-offloading with reinforcement learning in fog computing for industrial applications", IEEE Transactions on Industrial Informatics", IEEE Transactions on Industrial Informatics, Vol.15, No.2, pp.976-986, Feb.2019. (IF: 5.45) .
- 2019.2 [J71] H. Hu, **K. Wang\***, C. Lv, J. Wu, and Y. Zhen, "Semi-supervised metric learning based anchor graph hashing for large scale image retrieval", IEEE Transactions on Image Processing, Vol.28, No.2, pp.739-754, Feb.2019.(IF: 5.071) .

- 2018.11 [J70] J. Shen, T. Zhou, **K. Wang\***, X. Peng and L. Pan, "Artificial intelligence inspired multi-dimension traffic control for heterogeneous networks", IEEE Network, Vol.32, No.6, pp. 84-91, Nov.2018. (IF: 7.197) .
- 2018.11 [J69] J. Mi, **K. Wang\***, P. Li, S. Guo, and Y. Sun, "Software-defined green 5G system for big data", IEEE Communications Magazine, Vol.56, No.11, pp.116-123, Nov.2018. (IF: 10.435) .
- 2018.11 [J68] **K. Wang\***, Q. Zhou, S. Guo and J. Luo, "Cluster frameworks for efficient scheduling and resource allocation in data center networks: a survey", IEEE Communications Surveys and Tutorials, Vol.20, No.4, pp.3560-3580, Nov. 2018.(IF: 20.23) .
- 2018.9 [J67] X. Liu, X. Xie, X. Zhao, **K. Wang**, K. Li, A. Liu, S. Guo, and J. Wu, "Fast identification of blocked RFID tags", IEEE Transactions on Mobile Computing, Vol.17, No.9, pp.2041-2054, Sept.2018.(IF: 4.098) .
- 2018.9 [J66] **K. Wang\***, Y. Li, T. Miyazaki, Y. Chen, and Y. Zhang, "Jamming and eavesdropping defense in green cyber-physical transportation systems using stackelberg game", IEEE Transactions on Industrial Informatics, Vol. 14, No. 9, pp. 4232-4242, Sept. 2018. (IF: 5.43) .
- 2018.9 [J65] **K. Wang**, J. Yu, Y. Yu, Y. Qian, D. Zeng, S. Guo, Y. Xiang, and J. Wu, "A survey on Energy Internet: architecture, approach and emerging technologies", IEEE Systems Journal, Vol. 12, No. 3, pp. 2403-2416, Sept. 2018. (IF:4.337) .
- 2018.8 [J64] J. Yu, **K. Wang\***, D. Zeng, C. Zhu, and S. Guo, "Privacy-preserving data aggregation computing in cyber-physical social systems", ACM Transactions on Cyber Physical Systems, Vol. 3, No. 1, Article 8, Aug. 2018. .
- 2018.8 [J63] M. Du, **K. Wang\***, Y. Chen, X. Wang, and Y. Sun, "Big data privacy preserving in multi-access edge computing for heterogeneous internet of things", IEEE Communications Magazine, Vol. 56 No. 8, pp. 62-67, Aug. 2018. (IF: 10.435) .
- 2018.6 [J62] **K. Wang**, H. Li, S. Maharjan, Y. Zhang, and S. Guo, "Green energy scheduling for demand side management in the smart grid", IEEE Transactions on Green Communications and Networking, Vol. 2, No. 2, pp. 596-611, Jun. 2018 .
- 2018.5 [J61] X. Hu, **K. Wang\***, X. Liu, Y. Sun, P. Li, and S. Guo, "Energy management for EV charging in software-defined green vehicle-to-grid network", IEEE Communications Magazine, Vol.56, No.5, pp.156-163, May.2018. (IF: 10.435) .
- 2018.4 [J60] M. Gao, **K. Wang\***, and L. He, "Probabilistic model checking and scheduling implementation of energy router system in energy internet for green cities", IEEE Transactions on Industrial Informatics, Vol.14, No.4, pp.1501-1510, Apr. 2018. (IF: 4.708) .
- 2018.2 [J59] L. Yu, D. Xie, T. Jiang, Y. Zou, and **K. Wang**, "Distributed real-time HVAC control for cost-efficient commercial buildings under smart grid environment", IEEE Internet of Things Journal, Vol.5, No.1, pp.44-55, Feb.2018.(IF: 7.596) .
- 2018.2 [J58] H. Huang, S. Guo, **K. Wang\***, "Envisioned wireless big data storage for low-earth-orbit satellite based cloud", IEEE Wireless Communications, Vol.25, No.1, pp.26-31, Feb.2018. (IF: 8.972) .
- 2018.2 [J57] X. He, **K. Wang\***, H. Huang, and B. Liu, "QoE-driven big data architecture for smart city", IEEE Communications Magazine, Vol.56, No.2, pp.88-93, Feb. 2018. (IF: 10.435) .
- 2017.12 [J56] F. Tian, X. Chen, S. Liu, **K. Wang**, X. Yuan, and Z. Yang, "On full duplex scheduling for energy efficiency maximization in multi-hop wireless networks", IEEE Access, Vol.6, pp.2604-2614, Dec. 2017.(IF: 3.25) .
- 2017.12 [J55] L. Yang, C. Ding, M. Wu, and **K. Wang\***, "Robust detection of false data injection attacks for the data aggregation in Internet of things based environmental surveillance", Computer Networks, Vol.129, No. 2, pp. 410-428, Dec. 2017. (IF: 2.516) .
- 2017.11 [J54] C. Xu, **K. Wang\***, and M. Guo, "Intelligent resource management in blockchain based cloud data centers", IEEE Cloud Computing, Vol.4, No.6, pp.50-59, Nov. 2017. .
- 2017.11 [J53] X. Liu, X. Xie, **K. Wang**, S. Guo, J. Cao, and K. Li, "Pinpointing anomaly RFID tags: situation and opportunities", IEEE Network, Vol.31, No.6, pp.40-47, Nov.2017.(IF: 7.23) .

- 2017.11 [J52] C. Zhu, G. Cheng, and **K. Wang\***, "Big data analytics for program popularity prediction in broadcast TV industries", IEEE Access, Vol.5, pp.24593-24601, Nov.2017.(IF: 3.25) .
- 2017.11 [J51] C. Zhu, Y. Zhou, V. C. M. Leung, **K. Wang**, Y. Zhang, and L. T. Yang, "Toward big data in green city", IEEE Communications Magazine, Vol.55, No.11, pp.14-18, Nov.2017.(IF: 10.435) .
- 2017.11 [J50] H. Li, **K. Wang\***, X. Liu, Y. Sun, and S. Guo, "A selective privacy preserving approach for multimedia data", IEEE Multimedia, Vol.24, No.4, pp.14-25, Nov.2017.(IF:2.849) .
- 2017.11 [J49] Y. Sun, X. Hu, X. Liu, X. He, and **K. Wang\***, "A software-defined green framework for hybrid EV-charging networks", IEEE Communications Magazine, Vol. 55, No. 11, pp. 62-69, Nov. 2017. (IF: 10.435) .
- 2017.10 [J48] X. Liu, K. Li, S. Guo, A. Liu, P. Li, **K. Wang**, and J. Wu, "Top-K Queries for Categorized RFID Systems", IEEE/ACM Transactions on Networking, Vol. 25, No. 5, pp. 2587-2600, Oct. 2017. (IF: 2.186) .
- 2017.10 [J47] **K. Wang**, L. Yuan, T. Miyazaki, D. Zeng, S. Guo, and Y. Sun, "Strategic anti-eavesdropping game for physical layer security in wireless cooperative networks", IEEE Transactions on Vehicular Technology, Vol. 66, No. 10, pp. 9448-9457, Oct. 2017. (IF: 2.243) .
- 2017.9 [J46] **K. Wang**, L. Gu, S. Guo, H. Chen, V. C. M. Leung, and Y. Sun, "Crowdsourcing-based content-centric network: a social perspective", IEEE Network, Vol.31, No.5, pp.28-34, Sept.2017. (IF: 7.23) .
- 2017.9 [J45] **K. Wang**, M. Du, S. Maharjan, and Y. Sun, "Strategic honeypot game model for distributed denial of service attacks in the smart grid", IEEE transactions on Smart Grid, Vol.8, No.5, pp.2474-2482, Sept. 2017. (IF: 4.252) .
- 2017.8 [J44] **K. Wang**, H. Li, Y. Feng, and G. Tian, "Big data analytics for system stability evaluation strategy in the energy Internet", IEEE Transactions on Industrial Informatics, Vol. 13, No. 4, pp. 1969–1978, Aug. 2017. (IF: 4.708) [ESI High Cited Paper] .
- 2017.7 [J43] D. Zeng, J. Zhang, S. Guo, L. Gu, and **K. Wang**, "Take renewable energy into CRAN towards green wireless access networks", IEEE Network, Vol. 31, No.4, pp. 62-68, Jul.2017. (IF: 7.23) .
- 2017.7 [J42] **K. Wang**, L. Yuan, T. Miyazaki, S. Guo, and Y. Sun, "Anti-eavesdropping with selfish jamming in wireless networks: a bertrand game approach", IEEE Transactions on Vehicular Technology, Vol.66, No.7, Jul.2017, pp.6268-6279. (IF: 2.243) .
- 2017.7 [J41] P. Li, T. Miyazaki, **K. Wang\***, S. Guo, and W. Zhuang, "Vehicle-assist resilient information and network system for disaster management", IEEE Transactions on Emerging Topics in Computing, Vol. 5, No. 3, pp.438-448, Jul. 2017. (IF:3.826) .
- 2017.7 [J40] W. Li, C. Zhu, W. Xia, J. J. P. C. Rodrigues, and **K. Wang**, "Characteristics analysis and optimization design of entities collaboration for cloud manufacturing", Concurrency and Computation: Practice and Experience, Vol. 29, No. 14, pp. 1-14, Jul. 2017. (IF: 0.942) .
- 2017.6 [J39] P. Li, S. Guo, T. Miyazaki, X. Liao, H. Jin, A. Zomaya, and **K. Wang**, "Traffic-aware geo-distributed big data analytics with predictable job completion time", IEEE Transactions on Parallel and Distributed Systems, Vol. 28, No. 6, pp. 1785-1796, Jun. 2017.( IF:2.661) .
- 2017.5 [J38] **K. Wang**, X. Hu, H. Li, P. Li, D. Zeng, and S. Guo, "A survey on energy Internet communications for sustainability", IEEE Transactions on Sustainable Computing, Vol. 2, No. 3, pp. 231-254, May. 2017. .
- 2017.5 [J37] S. Chen, **K. Wang**, C. Zhao, H. Zhang, and Y. Sun, "Accelerated distributed optimization design for reconstruction of big sensory data", IEEE Internet of Things Journal, Vol. 5, No. 4, pp. 1716-1725, May. 2017.(IF: 7.596) .
- 2017.5 [J36] C. Zhu, V. C. M. Leung, **K. Wang**, Y. Zhang, and L. T. Yang, "Multi-method data delivery for sensor-cloud", IEEE Communications Magazine, Vol.55, No.5, pp.176-182, May. 2017. (IF: 5.125) .
- 2017.4 [J35] **K. Wang**, Y. Wang, X. Hu, Y. Sun, D. J. Deng, A. Vinel, and Y. Zhang, "Wireless big data computing in smart grid", IEEE Wireless Communications, Vol. 24, No. 2, pp. 58-64, Apr. 2017. (IF: 4.148)[Hot Paper; ESI High Cited Paper] .

- 2017.4 [J34] Y. Liu, **K. Wang\***, H. Guo, Q. Lu, and Y. Sun, "Social-aware computing based congestion control in delay tolerant networks", Mobile Networks and Applications, Vol. 22, No. 2, pp. 174-185, Apr. 2017. (IF: 1.045) .
- 2017.3 [J33] **K. Wang**, L. Gu, S. Guo, Y. Sun, A. Vinel, and J. Shen, "Distributed energy management for vehicle-to-grid networks", IEEE Network, Vol.31, No.2, pp.22-28, Mar.2017. (IF: 2.99) .
- 2017.2 [J32] **K. Wang**, Y. Wang, D. Zeng, and S. Guo, "An SDN-based architecture for next-generation wireless networks", IEEE Wireless Communications, Vol. 24, No. 1, pp. 25-31, Feb. 2017. (IF:4.148)[ESI High Cited Paper] .
- 2017.2 [J31] J. Jiang, G. Han, L. Shu, S. Chen, and **K. Wang**, "A trust model based on cloud theory in underwater acoustic sensor networks", IEEE Transactions on Industrial Informatics, Vol. 13, No. 1, pp. 342-350, Feb. 2017. (IF: 4.708) .
- 2017.2 [J30] L. Yang, Z. Qin, **K. Wang\***, and S. Deng, "Hybrid gene expression programming-based sensor data correlation mining", China Communications, Vol. 14, No. 1, pp. 34-49, Feb. 2017. .
- 2016.12 [J29] Y. Shao, **K. Wang\***, L. Shu, S. Deng, and D. J. Deng, "Heuristic optimization for reliable data congestion analytics in crowdsourced eHealth networks", IEEE Access, Vol. 4, pp. 9174-9183, Dec. 2016. (IF: 1.25) .
- 2016.12 [J28] **K. Wang**, Y. Wang, Y. Sun, S. Guo, and J. Wu, "Green industrial Internet of Things architecture: an energy-efficient perspective", IEEE Communications Magazine, Vol. 54, No. 12, pp. 48-54, Dec. 2016. (IF: 5.125) .
- 2016.12 [J27] **K. Wang**, L. Zhuo, Y. Shao, D. Yue, and K. F. Tsang, "Towards distributed data processing on intelligent leakpoints prediction in petrochemical industries", IEEE Transactions on Industrial Informatics, Vol. 12, No. 6, pp. 2091-2102, Dec. 2016. (IF: 8.785) .
- 2016.11 [J26] **K. Wang**, M. Du, Y. Sun, A. Vinel, and Y. Zhang, "Attack detection and distributed forensics in machine-to-machine networks", IEEE Network, Vol. 30, No. 6, pp. 49-55, Nov. 2016. (IF: 2.99) .
- 2016.10 [J25] **K. Wang**, X. Qi, L. Shu, D. J. Deng, and J. J.P.C. Rodrigues, "Towards trustworthy crowdsourcing in social internet of things", IEEE Wireless Communications, Vol. 23, No. 5, pp. 30-36, Oct. 2016. (IF: 5.417) .
- 2016.9 [J24] **K. Wang**, J. Mi, C. Xu, Q. Zhu, L. Shu, and D. J. Deng, "Real-time load reduction in multimedia big data for mobile Internet", ACM Transactions on Multimedia Computing, Communications and Applications, Vol. 12, No. 5s, Article 76, Oct. 2016. (IF: 2.25) .
- 2016.9 [J23] **K. Wang**, M. Du, D. Yang, C. Zhu, J. Shen, and Y. Zhang, "Game theory-based active defense for intrusion detection in cyber-physical embedded systems", ACM Transactions on Embedded Computing Systems, Vol. 16, No. 1, Article 18, Oct. 2016. (IF: 1.367) .
- 2016.8 [J22] L. Jiang, H. Tian, Z. Xing, **K. Wang**, K. Zhang, S. Maharjan, S. Gjessing, and Y. Zhang, "Social-aware energy harvesting device to device communications in 5G cellular networks", IEEE Wireless Communications, Vol. 23, No. 4, pp. 20-27, Aug. 2016. (IF:5.417) .
- 2016.8 [J21] H. Jiang, **K. Wang\***, Y. Wang, M. Gao, and Y. Zhang, "Energy big data: A survey", IEEE Access, Vol. 4, pp. 3844-3861, Aug. 2016. (IF: 1.25) .
- 2016.8 [J20] S. Chen, J. Liu, **K. Wang**, Z. Sun, and X. Zhao, "Data Sorting-based Adaptive Spatial Compression in Wireless Sensor Networks", KSII Transactions on Internet and Information Systems, Vol. 10, No. 8, pp. 3641-3655, Aug. 2016. (IF: 0.365) .
- 2016.6 [J19] **K. Wang**, H. Gao, X. Xu, J. Jiang, and D. Yue, "An energy-efficient reliable data transmission scheme for complex environmental monitoring in underwater acoustic sensor networks", IEEE Sensors Journal, Vol. 16, No. 11, pp. 4051-4062, Jun. 2016. (IF: 1.852) .
- 2016.4 [J18] Y. Liu, **K. Wang\***, Y. Yu, J. Qi, and Y. Sun, "A dynamic assignment scheduling algorithm for big data stream processing in mobile internet services", Personal and Ubiquitous Computing, Vol. 20, No. 3, pp. 373-383, Apr. 2016. (IF: 1.518) .
- 2016.4 [J17] L. Shu, M. Mukherjee, X. Xu, **K. Wang**, and X. Wu, "A survey on gas leakage source detection and boundary tracking with wireless sensor networks", IEEE Access, Vol. 4, pp. 1700-1715, Apr. 2016. (IF: 1.25) .

- 2016.1 [J16] K. Wang, Y. Shao, L. Shu, Y. Zhang, and C. Zhu, "Mobile big data fault-tolerant processing for eHealth networks", IEEE Network, Vol. 30, No. 1, pp. 1-7, Jan. 2016. (IF: 2.54) [ESI High Cited Paper].
- 2015.12 [J15] G. Jia, G. Han, J. Jiang, N. Sun, and K. Wang, "Dynamic resource partitioning for heterogeneous multi-core-based cloud computing in smart cities", IEEE Access, Vol. 4, pp. 108-118, Dec. 2015. (IF: 1.25) .
- 2015.12 [J14] K. Wang, Z. Ouyang, R. Krishnan, L. Shu, and L. He, "A game theory based energy management system using price elasticity for smart grids", IEEE Transactions on Industrial Informatics, Vol. 11, No. 6, pp. 1607-1616, Dec. 2015. (IF: 8.785) .
- 2015.10 [J13] X. Qi, K. Wang\*, A. Huang, H. Hu, and G. Han, "MAC protocol in wireless body area network for mobile health: a survey and an architecture design", International Journal of Distributed Sensor Networks, vol. 2015, Article ID 289404, 2015. doi:10.1155/2015/289404, Oct. 2015. (IF: 0.923) .
- 2015.9 [J12] Y. Liu, K. Wang\*, H. Guo, J. Qi, and Y. Sun, "SAFM: An adaptive socially aware feedback mechanism in delay tolerant sensor networks", International Journal of Distributed Sensor Networks, Vol. 2015, Article ID 971704, doi: 10.1155/2015/971704, Sept. 2015. (IF: 0.923) .
- 2015.9 [J11] Y. Zhang, K. Wang\*, M. Gao, Z. Ouyang, and S. Chen, "LKM: A LDA-based K-means clustering algorithm for data analysis of intrusion detection in mobile sensor networks", International Journal of Distributed Sensor Networks, Vol. 2015, Article ID 491910, doi:10.1155/2015/491910, Sept. 2015. (IF:0.923).
- 2015.7 [J10] S. Chen, M. Wu, K. Wang, Z. Sun, and W. Lu, "Combining network coding and compressed sensing for error correction in wireless sensor networks", International Journal of Communication Systems, Vol. 28, No. 7, pp. 1303-1315, Jul. 2015. (IF:1.099).
- 2015.1 [J9] K. Wang, Y. Shao, L. Shu, G. Han, and C. Zhu, "LDPA: A local data processing architecture in ambient assisted living communications", IEEE Communications Magazine, Vol. 53, No.1, pp.56-63, Jan. 2015. (IF: 4.46).
- 2014.6 [J8] S. Chen, M. Wu, K. Wang, and Z. Sun, "Compressive network coding for error control in wireless sensor networks", Wireless Networks, Vol. 20, No. 8, pp. 2605-2615, Nov. 2014. (IF: 1.006) .
- 2014.6 [J7] K. Wang, H. Lu, L. Shu, and J. J. P. C Rodrigues, "A context-aware system architecture for leak point detection in the large-scale petrochemical industry", IEEE Communications Magazine, Vol. 52, No.6, pp.62-69, Jun. 2014. (IF: 4.46) .
- 2014.3 [J6] K. Wang and H. Guo, "An improved routing algorithm based on social link awareness in delay tolerant networks", Wireless Personal Communications, Vol. 75, No. 1, pp. 397-414, Mar. 2014. (IF:0.543) .
- 2013.7 [J5] K. Wang and Y. Yu, "A query-matching mechanism over out-of-order event stream in IOT", International Journal of Ad Hoc and Ubiquitous Computing, Vol.13, No.3/4, pp. 197-208, Jul. 2013. (IF:0.848) .
- 2012.3 [J4] K. Wang and M. Wu, "Nash equilibrium of node cooperation based on metamodel for MANETs", Journal of Information Science and Engineering, Vol.28, No.2, pp.317-333, Mar. 2012. (IF: 0.315) .
- 2011.5 [J3] K. Wang and M. Wu, "Improved secure trust-based location-aided routing model for MANETs", China Communications, Vol.8, No.3, pp.154-162, May 2011. (IF:0.218) .
- 2010.6 [J2] K. Wang and M. Wu, "Cooperative communications based on trust model for mobile ad hoc networks", IET Information Security, Vol. 4, Issue 2, pp. 68-79, Jun. 2010. (IF:0.893) .
- 2007.8 [J1] K. Wang and M. Wu, "Incentive schemes of nodes for ad hoc and multihop cellular networks", China Communications, No. 4, pp.79-88, Aug. 2007. (IF:0.218) .

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## PUBLISHED AND ACCEPTED CONFERENCE PAPERS (SELECTED)

- 2018.12 [C45] S. Chen, X. Zhu, X. Zhao, H. Zhang, and **K. Wang**, "Fog computing assisted efficient privacy preserving data collection for big sensory data", IEEE GLOBECOM 2018, Abu Dhabi, UAE, 2018.12 .
- 2018.5 [C44] Q. Zhou, P. Li, **K. Wang**, D. Zeng, S. Guo, and M. Guo, "Swallow: joint online scheduling and coflow compression in datacenter networks", IEEE IPDPS 2018, Vancouver, Canada, 2018.5 .
- 2018.5 [C43] H. Huang, S. Guo, W. Liang, and **K. Wang**, "Online green data gathering from geo-distributed iot networks via leo satellites", IEEE ICC 2018, Kansas City, MO, USA, 2018.5 .
- 2018.5 [C42] S. Chen, L. Du, **K. Wang**, and W. Lu, "Fog computing based optimized compressive data collection for big sensory data", IEEE ICC 2018, Kansas City, MO, USA, 2018.5 .
- 2018.5 [C41] X. Hu, P. Li, **K. Wang**, Y. Sun, D. Zeng, and S. Guo, "Energy management of data centers powered by fuel cells and heterogeneous energy storage", IEEE ICC 2018, Kansas City, MO, USA, 2018.5 .
- 2018.5 [C40] Q. Meng, **K. Wang**, B. Liu, T. Miyazaki, and X. He, "QoE-based big data analysis with deep learning in pervasive edge environment", IEEE ICC 2018, Kansas City, MO, USA, 2018.5 .
- 2018.5 [C39] C. Xu, **K. Wang**, G. Xu, P. Li, S. Guo, and J. Luo, "Making big data open in collaborative edges: a blockchain-based framework with reduced resource requirements", IEEE ICC 2018, Kansas City, MO, USA, 2018.5 .
- 2018.5 [C38] X. He, **K. Wang**, H. Huang, T. Miyazaki, Y. Wang and Y. Sun, "QoE-driven joint resource allocation for content delivery in fog computing environment", IEEE ICC 2018, Kansas City, MO, USA, 2018.5 .
- 2017.12 [C37] M. Gao, **K. Wang**, and L. He, "Probabilistic model checking for green energy router system in energy internet", IEEE GLOBECOM 2017, Singapore, 2017.12 .
- 2017.12 [C36] Q. Zhou, W. Lu, S. Chen, L. Yang, and **K. Wang**, "Promoting security and efficiency in d2d underlay communication: a bargaining game approach", IEEE GLOBECOM 2017, Singapore, 2017.12 .
- 2017.12 [C35] J. Mi, **K. Wang**, B. Liu, F. Ding, Y. Sun and H. Huang, "A multiobjective evolution algorithm based rule certainty updating strategy in big data environment", IEEE GLOBECOM 2017, Singapore, 2017.12 .
- 2017.9 [C34] S. Ma, W. Jia, J. Ding, **K. Wang**, and M. Guo, "TransT: type-based multiple embedding representations for knowledge graph completion", ECML-PKDD 2017, Skopje, Macedonia, 2017.9 .
- 2017.9 [C33] L. Min, Z. Lin, **K. Wang**, W. Xu, S. Guo, and J. Ouyang, "Robust secure beamforming for cognitive satellite terrestrial networks at millimeter-wave frequency", IEEE VTC 2017-Fall, Toronto, Canada, 2017.9 .
- 2017.7 [C32] W. Yang, N. Ruan, W. Gao, **K. Wang**, W. Ran, and W. Jia, "Crowdsourced time-sync video tagging using semantic association graph", IEEE ICME 2017, Hong Kong, China, 2017.7 .
- 2017.6 [C31] X. Zhou, **K. Wang**, W. Jia, and M. Guo, "Reinforcement learning-based adaptive resource management of differentiated services in geo-distributed data centers", IEEE/ACM IWQoS 2017, Vilanova, Spain, 2017.6 .
- 2017.5 [C30] L. Gu, **K. Wang**, X. Liu, S. Guo, and B. Liu, "A reliable task assignment strategy for spatial crowdsourcing in big data environment", IEEE ICC 2017, Paris, France, 2017.5 .
- 2017.5 [C29] L. Yuan, **K. Wang**, T. Miyazaki, S. Guo, and M. Wu, "Optimal transmission strategy for sensors to defend against eavesdropping and jamming attacks", IEEE ICC 2017, Paris, France, 2017.5 .
- 2016.12 [C28] **K. Wang**, C. Xu, and S. Guo, "Big data analytics for price forecasting in smart grids", IEEE GLOBECOM 2016, Washington, US, 2016.12 (**Best Paper Award**) .
- 2016.10 [C28] L. Yu, Y. Zou, **K. Wang**, "Online energy management for data centers and electric vehicles in smart grid environment", IEEE IECON 2016, Florence, Italy, 2016.10, pp. 5415-5419 .

- 2016.9 [C27] **K. Wang**, M. Du, D. Yang, C. Zhu, and Y. Sun, "Optimal active detection in machine-to-machine mobile networks: a repeated game approach", IEEE PIMRC 2016, Valencia, Spain, 2016.9 .
- 2016.7 [C26] **K. Wang**, J. Mi, C. Xu, L. Shu, and D. J. Deng, "Real-time big data analytics for multimedia transmission and storage", IEEE ICCC 2016, Chengdu, China, 2016.7 .
- 2016.5 [C25] L. Yang, **K. Wang**, C. Xu, C. Zhu, and Y. Sun, "An incremental learning classification algorithm based on forgetting factor for eHealth networks", IEEE ICC 2016, Kuala Lumpur, Malaysia, 2016.5 .
- 2015.12 [C24] X. Qi, **K. Wang**, L. Shu, Z. Sun, and D. Yue, "An energy-balanced multi-hop relay transmission scheme based on RVNS in DTMSN", IEEE GLOBECOM 2015, San Diego, US, 2015.12 (**Best Paper Runner-up**) .
- 2015.12 [C23] M. Mukherjee, L. Shu, Y. Zhang, Z. Zhou, and **K. Wang**, "Joint power and reduced spectral leakage based resource allocation for D2D communications in 5G", ICA3PP 2015, Zhangjiajie, China, in LNCS, Vol. 9531, 2015.12, pp. 244-258 .
- 2015.11 [C22] Y. Zhang, **K. Wang**, D. Yue, L. Shu, Y. Liu, and H. Zao, "Adaptive TDMA-based MAC protocol in energy harvesting wireless body area networks for mobile health", IEEE IECON 2015, Yokohama, Japan, 2015. 11, pp. 4175-4180 .
- 2015.7 [C21] X. Qi, **K. Wang**, A. Huang, L. Shu, and Y. Liu, "A harvesting-rate oriented self-adaptive algorithm in energy-harvesting wireless body area networks", IEEE INDIN 2015, Cambridge, UK, 2015.7, pp. 966-971 .
- 2015.6 [C20] **K. Wang**, Y. Zhang, L. Shu, C. Zhu, and M. Gao, "NAPR: A node activity-based probabilistic routing algorithm in delay tolerant-mobile sensor networks", IEEE ICC 2015, London, UK, 2015.6, pp. 7002-7006 .
- 2015.6 [C19] **K. Wang**, H. Guo, L. Shu, C. Zhu, and Lei He, "A social awareness based feedback mechanism for delivery reliability in delay tolerant networks", IEEE ICC 2015, London, UK, 2015.6, pp.7007-7011 .
- 2015.6 [C18] **K. Wang**, Y. Shao, L. Shu, Y. Sun, and L. He, "An improved spray and wait algorithm based on RVNS in delay tolerant mobile sensor networks", IEEE ICC 2015, London, UK, 2015.6, pp. 3552-3556 .
- 2014.10 [C17] L. Zhuo, **K. Wang**, L. Shu, C. Zhu, and Z. Ouyang, "An improved online learning algorithm and its applications on leak points prediction of gas pipe in petrochemical industries", IEEE IECON 2014, Dallas, TX, US, 2014.10, pp. 3892-3896 .
- 2014.8 [C16] L. Xu, **K. Wang**, Z. Ouyang, and X. Qi, "An improved binary PSO-based task scheduling algorithm in green cloud computing", Chinacom 2014, Maoming, Guangdong, China, 2014.8, pp. 126-131 .
- 2014.8 [C15] Q. Li, **K. Wang**, S. Wei, X. Han, L. Xu, and M. Gao, "A data placement strategy based on clustering and consistent hashing algorithm in cloud computing", Chinacom 2014, Maoming, Guangdong, China, 2014.8, pp. 478-483 .
- 2014.6 [C14] **K. Wang**, H Guo, L Shu, and B. Liu, "An improved congestion control algorithm based on social awareness in delay tolerant networks", IEEE ICC 2014, Sydney, Australia, 2014.6, pp. 1773-1777 .
- 2014.6 [C13] **K. Wang**, L. Zhuo, L. Shu, and Y. Sun, "A model-matching algorithm based on improved BP over out-of-order streams", IEEE ICC 2014, Sydney, Australia, 2014.6, pp. 1849-1853 .
- 2013.12 [C12] **K. Wang**, Y. Yu, and B. Liu, "DAS: A dynamic assignment scheduling algorithm for stream computing in distributed applications", IEEE Globecom 2013, Atlanta, US, 2013.12, pp.1654-1659 .
- 2013.8 [C11] Y. Zhang, **K. Wang**, H. Lu, H. Guo, and L. Xu, "An improved K-means clustering algorithm over data accumulation in delay tolerant mobile sensor network", Chinacom 2013, Guilin, China, 2013.8, pp. 34-39 .
- 2013.8 [C10] **K. Wang**, L. Zhuo, H. Lu, H. Guo, L. Xu, and Y. Zhang, "An improved BP algorithm over out-of-order streams for big data", Chinacom 2013, Guilin, China, 2013.8, pp. 840-845 .

- 2013.6 [C9] **K. Wang**, H. Guo, M. Wu, Z. Yang, and Y. Liu, "An efficient routing algorithm based on social awareness in DTNs", IEEE VTC 2013spr, Dresden, Germany, 2013.6, pp.1-5 .
- 2013.5 [C8] **K. Wang**, Y. Zhang, and Y. Li, "Design and optimization of socket mechanism for services in internet of things", IEEE WOCC 2013, Chongqing, China, 2013.5, pp. 332-337 .
- 2010.5 [C7] **K. Wang**, J. Bao, M. Wu, and W. Lu, "Research on security management for internet of things", ICCASM 2010, Taiyuan, China, 2010. 10, pp. v15-133-137 .
- 2010.5 [C6] **K. Wang**, M. Wu, C. Ding, and W. Lu, "Game-based modeling of node cooperation in ad hoc networks", IEEE WOCC 2010, Shanghai, China, 2010. 5, pp. 296-301 .
- 2008.8 [C5] **K. Wang**, M. Wu, and S. Shen, "A secure recommendation-based reputation system for node incentive cooperation", Chinacom 2008, Hangzhou, China, 2008. 8, pp. 1157-1161 .
- 2008.8 [C4] **K. Wang**, M. Wu, P. Xia, and S. Shen, "A secure trust-based location-aided routing for ad hoc networks", Chinacom 2008, Hangzhou, China, 2008. 8, pp. 835-839 .
- 2008.6 [C3] **K. Wang**, M. Wu, P. Xia, S. Xie, W. Lu, and S. Shen, "A secure authentication scheme for integration of cellular networks and MANETs", ICNNSP 2008, Nanjing, China, 2008. 6, pp. 315-319 .
- 2008.4 [C2] **K. Wang** and M. Wu, "A novel location-aided routing algorithm for MANETs", ITNG 2008, Las Vegas, Nevada, USA, 2008. 4, pp. 1162-1163 .
- 2008.4 [C1] **K. Wang** and M. Wu, "A trust evaluation method for node cooperation in mobile ad hoc networks", ITNG 2008, Las Vegas, Nevada, USA, 2008. 4, pp. 994-999 .