



# KUN WANG

Research Fellow, SMIEEE

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## 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]** 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 [J86] 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 [J85] 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, Jan. 2019, DOI:10.1109/TGCN.2019.2893712. .
- 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. .
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