

HONGLU (CLAIRE) JIANG

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EDUCATION

- **The George Washington University, Washington, DC** **May, 2021(expected)**
Ph.D., Computer Science
- **Qufu Normal University, Shandong, China** **June, 2012**
M.S., Computer Science
- **Qufu Normal University, Shandong, China** **July, 2009**
B.S., Network Engineering

APPOINTMENTS

- **Assistant Professor (Sep. 2013-Jan. 2019)**
Shandong Polytechnic Institute, Jinan, Shandong, China
- **Network Engineer (July 2012-Aug. 2013)**
Affiliated Hospital of Taishan Medical University, Tai'an, Shandong, China

TEACHING EXPERIENCE

- **Teaching Assistant (Aug. 2019-Dec. 2020)** **The George Washington University**
Discrete Structures (Spring 2020)
Computer Networks (Fall 2020)
Cryptography (Fall 2019)
- **Assistant Professor (Sep. 2013-Jan. 2019)** **Shandong Polytechnic Institute**
Computer Networks (Spring 2014, 2015, 2018)
Algorithm Design and Analysis (Fall 2013, 2014)

PUBLICATIONS

Book

1. Jiguo Yu, Xiuzhen Cheng, Honglu Jiang, Dongxiao Yu, “Hierarchical Topology Control for Wireless Networks: Theory, Algorithms, and Simulation,” *CRC Press*, Feb 2018.

Journal Articles

2. Honglu Jiang, Jian Pei J, Dongxiao Yu, Jiguo Yu, Bei Gong, Xiuzhen Cheng, “Differential Privacy and Its Applications in Social Network. Analysis: A Survey,” *IEEE transactions on Knowledge and Data Engineering*, in revision.
3. Honglu Jiang, Jiguo Yu, Xiuzhen Cheng, Cheng Zhang, Bei Gong, Haotian Yu, “Structure-Attribute Based Social Network De-Anonymization with Spectral Graph Partitioning,” *IEEE Transactions on Computational Social Systems*, in revision.
4. Cheng Zhang, Honglu Jiang, Xiuzhen Cheng, Feng Zhao, Zhipeng Cai, Zhi Tian, “Utility Analysis on Privacy-Preservation Algorithms for Online Social Networks: An Empirical Study,” *Personal and Ubiquitous Computing*, Aug. 2019, pp.1-7.

5. Lina Ni, Chao Li, Xiao Wang, Honglu Jiang, and Jiguo Yu, "DP-MCDBSCAN: Differential Privacy Preserving Multi-core DBSCAN Clustering for Network User Data," *IEEE Access*, Vol. 6, 2018, pp. 21053-21063.
6. Biwei Yan, Jiguo Yu, Meihong Yang, Honglu Jiang, Zhiguo Wan, Lina Ni, "A Novel Distributed Social Internet of Things Service Recommendation Scheme Based on LSH Forest," *Personal and Ubiquitous Computing*, 2019, pp. 1-4.
7. Kan Yu, Meng Gao, Honglu Jiang, Guangshun Li, "Multi-Leader Election in Dynamic Sensor Networks," *EURASIP Journal on Wireless Communications and Networking*, 2017, pp. 187.
8. Yuhong Sun, Ruinian Li, Honglu Jiang, Jianchao Zheng, Lina Ni, "Modeling and Analysis of Random Dense CSMA Networks," *EURASIP Journal on Wireless Communications and Networking*, Dec. 2018, pp. 121.
9. Feng Li, Jiguo Yu, Feng Zhao, Honglu Jiang, "A Novel Analysis of Delay and Power Consumption for Polling Schemes in the IoT," *Tsinghua Science and Technology*, Vol. 22, No. 4, 2017, pp. 368-78.

Conference Papers

10. Honglu Jiang, Haotian Yu, Xiuzhen Cheng, Jian Pei, Jiguo Yu, "DP2-Pub: Differentially Private High-Dimensional Data Publication with Invariant Post Randomization," *In preparation*.
11. Honglu Jiang, Jiguo Yu, Chunqiang Hu, Cheng Zhang, and Xiuzhen Cheng, "SA Framework Based De-Anonymization of Social Networks," *Procedia Computer Science*, Vol. 129, 2018, pp. 358-363.
12. Cheng Zhang, Honglu Jiang, Yawei Wan Qin Hu, Jiguo Yu, Xiuzhen Cheng, "User Identity De-Anonymization Based on Attributes," *International Conference on Wireless Algorithms, Systems, and Applications*, Springer, 2019, pp. 458-469.
13. Cheng Zhang, Shang Wu, Honglu Jiang, Yawei Wang, Jiguo Yu, Xiuzhen Cheng, "Attribute-Enhanced De-Anonymization of Online Social Networks," *International Conference on Computational Data and Social Networks*, Springer, 2019, pp. 256-267.

PROFESSIONAL AFFILIATIONS

Paper Reviewer

- Journal of Computer Communications
- IEEE Transactions on Computational Social Systems
- IEEE Transactions on Network Science and Engineering
- ACM Transactions on Cyber-Physical Systems (TCPS)
- IEEE Internet of Things Journal

Conference Session Chair

- IIKI 2017
- WASA 2019