HONGLU (CLAIRE) JIANG

+1 (202)-227-7557, hljiang0720@gwu.edu

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**

  - **Undergraduate-Level Courses**

    Discrete Structures (Spring 2020)

  - **Graduate-Level Courses**

    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, <u>Honglu Jiang</u>, 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, <u>Honglu Jiang</u>, 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, <u>Honglu Jiang</u>, 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, <u>Honglu Jiang</u>, Guangshun Li, "Multi-Leader Election in Dynamic Sensor Networks," *EURASIP Journal on Wireless Communications and Networking*, 2017, pp. 187.

8. Yuhong Sun, Ruinian Li, <u>Honglu Jiang</u>, 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, <u>Honglu Jiang</u>, "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. <u>Honglu Jiang</u>, Haotian Yu, Xiuzhen Cheng, Jian Pei, Jiguo Yu, "DP2-Pub: Differentially Private High-Dimensional Data Publication with Invariant Post Randomization," *In preparation.*

11. <u>Honglu Jiang</u>, 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, <u>Honglu Jiang</u>, 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, <u>Honglu Jiang</u>, 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