HONGLU (CLAIRE) JIANG

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EDUCATION

- **The George Washington University, Washington, DC**   **May, 2021**

  Ph.D., Computer Science

- **Qufu Normal University, Shandong, China**   **June, 2012**

  M.S., Computer Applied Technology

- **Qufu Normal University, Shandong, China**   **July, 2009**

  B.E., Network Engineering

APPOINTMENTS

- **Assistant Professor (Sep. 2021-)**

  The University of Texas Rio Grande Valley, Brownsville, Texas

- **Assistant Professor (Sep. 2013-Jan. 2019)**

  Shandong Polytechnic Institute, Jinan, Shandong, China

- **Network Engineer (July 2012-Aug. 2013)**

  Taishan Medical University Affiliated Hospital, Taian, Shandong, China

TEACHING EXPERIENCE

- **Courses Taught at UTRGV**

  CSCI 2344 Programming in Unix/Linux Environment (Fall 2021)

- **Teaching Assistant at GWU**

  CSCI 1311 Discrete Structures (Spring 2020)

  CSCI 4431 Computer Networks (Fall 2020)

  CSCI 4331 Cryptography (Fall 2019)

RESEARCH INTERESTS

- Privacy Preservation and Data Security
- Social Network and Big Data
- IoT Privacy and Security

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, Dongxiao Yu, Jiguo Yu, Bei Gong, Xiuzhen Cheng, Applications of Differential Privacy in Social Network Analysis: A Survey, *IEEE transactions on Knowledge and Data Engineering, doi: 10.1109/TKDE.2021.3073062*, 2021.

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, doi: 10.1109/TCSS.2021.3082901*, 2021.

4. Honglu Jiang, Haotian Yu, Xiuzhen Cheng, Jian Pei, Jiguo Yu, DP2-Pub: Differentially Private High-Dimensional Data Publication with Invariant Post Randomization, *IEEE Transactions on Big Data* (in submission).

5. 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.1-17.

6. Lina Ni, Chao Li, Xiao Wang, Honglu Jiang, Jiguo Yu, DP-MCDBSCAN: Differential Privacy Preserving Multi-core DBSCAN Clustering for Network User Data, *IEEE Access*, Vol. 6, 2018, pp. 21053-21063.

7. 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. 1-14.

8. Kan Yu, Meng Gao, Honglu Jiang, Guangshun Li, Multi-Leader Election in Dynamic Sensor Networks, *EURASIP Journal on Wireless Communications and Networking*, 2017(1), pp.1-14.

9. 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*, 2018(1), pp. 1-17.

10. 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. 368-378.

Conference Papers

11. Honglu Jiang, Jiguo Yu, Chunqiang Hu, Cheng Zhang, 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 Wang, 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.

14. Jiannan Chen, Qin Hu, Honglu Jiang, Social Welfare Maximization in Cross-Silo Federated Learning, *IEEE International Conference on Acoustics, Speech and Signal Processing 2022* (in submission).

PROFESSIONAL AFFILIATIONS

Paper Reviewer

- IEEE Transactions on Computational Social Systems
- IEEE Transactions on Network Science and Engineering
- ACM Transactions on Cyber-Physical Systems
- IEEE Internet of Things Journal
- Computers & Security

Conference Session Chair

- IIKI 2017
- WASA 2019