Honglu (Hollie) Jiang

Email: hljiang0720@gwu.edu   Cell: +1 (202)227 7557

EDUCATION

- **The George Washington University**,   **Washington, DC, USA**
  Ph.D. in Computer Science,   Jan. 2019-May.2021
- **Qufu Normal University,**   **Rizhao, Shandong, China**
  Master of Computer Application Technology,   Sep. 2009- Jun. 2012
- **Qufu Normal University**,   **Rizhao, Shandong, China**
  Bachelor of Network Engineering,   Sep. 2005- July. 2009

WORKING EXPERIENCE

- **Assistant Professor (Sep. 2013-Jan. 2019)**
  Shandong Polytechnic, 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-May. 2020)**   The George Washington University
  Undergraduate-Level Courses
  - **Discrete Structure (Spring 2020)**
    - **Assisting the Professor:** Help design the course, problem sets, quizzes, prepare materials, assist with classroom instruction.
    - **Conducting Lab Sessions:** Review lectures and provide well-designed exercises.
    - **Holding Office Hours:** Work with students one-on-one; learn about problems they are having in the course and provide support and guidance to students.
    - **Grading and Corresponding**: Grade problem sets, quizzes in Gradescope and correspond with students on Piazza.
  - **Graduate-Level Courses**
    - **Computer Networks (Fall 2020)**
      - Design the course projects in Cisco Packet Tracer, review students' projects.
      - Teach two class sessions of Project 6 and 7.
    - **Cryptography (Fall 2019)**
      - Assist with classroom instruction and grade homework.
- **Assistant Professor (Sep. 2019-May. 2020)**   Shandong Polytechnic

Computer Networks (Fall 2020)

Algorithm Design and Analysis (Spring 2020)

RESEARCH INTEREST

- Privacy Preservation and Data Security
- Social Network Privacy
- Differential Privacy
- Internet of Tings (IoT)
- Wireless Networks

PUBLICATIONS

Book

[1] Jiguo Yu, Xiuzhen Cheng, Honglu Jiang, Dongxiao Yu. Hierarchical Topology Control for Wireless Networks: Theory, Algorithms, and. Simulation. CRC Press; 2018 Feb 5.

Journal Paper

[2] Honglu Jiang, Jian Pei, 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. (Admitted)

[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. (Admitted)

[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. 2019 Aug 7:1-7.

[5] Lina Ni, Chao Li, Xiao Wang, Honglu Jiang, and Jiguo Yu. 2018. DP-MCDBSCAN: Differential privacy preserving multi-core DBSCAN clustering for network user data. IEEE Access, 6, 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 Oct 3:1-4.

[7] Kan Yu, Meng Gao, Honglu Jiang, Guangshun Li. Multi-leader election in dynamic sensor networks. EURASIP Journal on Wireless. Communications and Networking. 2017 Dec 1;2017(1):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. 2018 Dec 1;2018(1):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. 2017 Jul 20;22(4):368-78.

Conference Paper (*Corresponding Author)

[10] Honglu Jiang, Haotian Yu, Xiuzhen Cheng, Jian Pei, Jiguo Yu. DP2-Pub: Differentially Private. High-Dimensional Data Publication with Invariant Post Randomization. IEEE 37th International Conference on Data Engineering (ICDE) 2021. (Admitted)

[11] Honglu Jiang, Jiguo Yu, Chunqiang Hu, Cheng Zhang, and Xiuzhen Cheng. "SA framework based de-anonymization of social networks." Procedia Computer Science 129 (2018): 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 2019 Jun 24 (pp. 458-469). Springer, Cham.

[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 2019 Nov 18 (pp. 256-267). Springer, Cham.

PROFESSION SERVICE

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