Xiao Han

Contact Information

Department:	Computer Science and Engineering
University:	The University of South Florida
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Principal Interests

Network security and privacy with applications to mobile navigation systems, wireless authentication, secure and fair spectrum sharing for heterogeneous coexistent systems, wireless communications in LTE/Wi-Fi coexistence over unlicensed bands.

Education

- **The University of South Florida, Tampa, Florida**
  Ph.D. in Computer Science and Engineering, May 2024
  Advisor: Yao Liu

- **The University of Arizona, Tucson, Arizona**
  Master of Science in Electrical and Computing Engineering, May 2019
  Thesis title: "*Energy-efficient LTE/Wi-Fi coexistence in the unlicensed spectrum*"
  Advisor: Loukas Lazos

- **Northwest Agricultural & Forestry University, Xianyang, Shaanxi, China**
  Bachelor of Engineering in Electrical Engineering and Its Automation, July 2016
  Undergrad Project: "*Automating greenhouse irrigation system using humidity sensors*"
  Advisor: Zili He

Academic Experience

- **The University of South Florida** Aug 2019 - Present
  Research Assistant, Advisor: Yao Liu
- **The University of South Florida** Aug 2022 - Dec 2022
  Teaching Assistant, CIS6930: Cryptography Theory & Practice
- **The University of Arizona** Jan 2017 - May 2019
  Research Assistant, Advisor: Loukas Lazos
- **The University of Arizona** Jan 2018 - May 2018
  Teaching Assistant, ECE175: Computer Programming for Engineering Applications

Publications

See also my google scholar page.

Peer-reviewed Conference Publications

1. **Xiao. Han**, Junjie. Xiong, Wenbo. Shen, Zhuo. Lu, and Yao. Liu, "Location Heartbleeding: The Rise of Wi-Fi Spoofing Attack Via Geolocation API," *In Proceedings of the 29th ACM SIGSAC Conference on Computer and Communications Security* (CCS), 2022.
2. **Xiao. Han**, Islam. Samy, and Loukas. Lazos, "Energy-efficient LTE/Wi-Fi Coexistence," *IEEE International Conference on Communications* (ICC), 2020.

Journal Publications

1. Islam. Samy, **Xiao. Han**, Loukas. Lazos, Ming. Li, Yong. Xiao, and Marwan. Krunz, "Misbehavior Detection in Wi-Fi/LTE Coexistence over Unlicensed Bands," in *IEEE Transactions on Mobile Computing*, 2022.

Thesis

1. **Xiao. Han**. "Energy-efficient LTE/Wi-Fi coexistence in the unlicensed spectrum," MS thes., The University of Arizona, 2019.

Professional Services And Activities

Journal Reviews

- IEEE Transactions on Information Forensics and Security (2 reviews in 2020)
- IEEE/ACM Transactions on Networking (1 review in 2021).

Conference Peer-reviews

IEEE INFOCOM 2022, 2023 ; IEEE CNS 2022 ; ACM HotMobile 2022 ;

Honors And Awards

- Outstanding Undergraduate Thesis, Northwest A&F University, 2016