

Yi Zhang (Joey)

Assistant Professor · Xiamen University

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EDUCATION

National Taiwan University

Ph.D. in Communication Engineering

Sept. 2017 - Jul. 2020

National Taiwan University

M.S. in Communication Engineering

Sept. 2014 - Jul. 2016

Xiamen University

B.S. in Software Engineering

Sept. 2010 - Jun. 2014

WORK EXPERIENCE

School of Informatics, Xiamen University

Assistant professor with Department of Information and Communication Engineering

Xiamen, China

Nov. 2020 - Current

Haixi Institutes, Chinese Academy of Sciences

Assistant engineer with Quanzhou Institute of Equipment Manufacturing

Quanzhou, China

Nov. 2016 - May 2017

Chinasoft International Limited

Student internship

Xiamen, China

Jul. 2013 - Aug. 2013

Xiamen University

Team member of RCS robot team

Xiamen, China

Aug. 2012 - Jul. 2013

HONORS & AWARDS

- **2017** Core member of bringing in "optical fiber sensor based Internet-of-things (IoT)" team with high-caliber personnel to the fund of "Harbour Project" of Quanzhou
- **2016** The fifth class outstanding person award of Jinjiang
- **2013** Embedded system designer of the national technical qualification examination for professional computer and software technologies, China
- **2013** The second award of domestic contest of ABU Asia-Pacific Robo Contest (ABU Robocon), China

Academic Services

- AC of Xiamen Chapter of CCF YOCSEF (2021-2024)
- Programme Committee member of ICA3PP 2021 (CCF Rank-C conference)
- Organizing Committee member of IEEE/CIC ICC 2021
- *Journal article reviewer* IEEE Transactions on Wireless Communications (TWC), IEEE Transactions on Communications (TCOM), IEEE/ACM Transactions on Networking (TNET), IEEE Transactions on Dependable and Secure Computing (TDSC), IEEE Transactions on Vehicular Technology (TVT), IEEE Transactions on Network Science and Engineering (TNSE), IEEE Internet of Things Journal (IoT-J), IEEE Transactions on Industrial Informatics (TII), IEEE Communications Letters (COMML), China Communications (CNCOMM), IEEE Access, IEEE/CAA Journal of Automatica Sinica (JAS)
- *Conference & proceeding paper reviewer* IEEE Vehicular Technology Conference (VTC), IEEE Vehicular Networking Conference (VNC), International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP), Conference on Web and Internet Economics (WINE)

TEACHING

- **Spring 2021** Foundations of Network Security: Attack and Defense *Major Core* Joint program with ANT SECURITY LAB of ANT GROUP and QI-ANXIN
- **Fall 2021** Fundamentals of Information Security *Disciplinary Elective*
- **Fall 2021** Wireless Communications Engineering *Postgraduate*
- **Under planning** Foundation Practice of Embedded System *Engineering Elective*

RESEARCH INTERESTS

- Mobile and wireless networking
- Fog/edge computing and networking
- Game theory models, pricing, and incentive mechanism design

SELECTED PUBLICATIONS

Journals.....

- [1] Y. Zhang and H.-Y. Wei, "Risk-aware cloud-edge computing framework for delay-sensitive industrial iots," *IEEE Transactions on Network and Service Management*, vol. 18, no. 3, pp. 2659–2671, 2021.
- [2] Y. Zhang, J. H. Liu, C. Y. Wang, and H. Y. Wei, "Decomposable intelligence on cloud-edge iot framework for live video analytics," *IEEE Internet of Things Journal*, vol. 7, no. 9, pp. 8860–8873, 2020.
- [3] Y. Zhang, Z. Chen, and H. I. Hee, "Noninvasive Measurement of Heart Rate and Respiratory Rate for Perioperative Infants," *Journal of Lightwave Technology*, vol. 37, no. 11, pp. 2807–2814, June 2019.
- [4] Y. Zhang, C. Wang, and H. Wei, "Parking Reservation Auction for Parked Vehicle Assistance in Vehicular Fog Computing," *IEEE Transactions on Vehicular Technology*, vol. 68, no. 4, pp. 3126–3139, April 2019.
- [5] Y. Zhang, C. Wang, and H. Wei, "Incentive Compatible Overlay D2D System: A Group-Based Framework without CQI Feedback," *IEEE Transactions on Mobile Computing*, vol. 17, no. 9, pp. 2069–2086, Sep. 2018.

Conferences.....

- [1] Y. Zhang, C. Wang, and H. Wei, "Parked Vehicle Assisted VFC System with Smart Parking: An Auction Approach," in *2018 IEEE Global Communications Conference (GLOBECOM)*, Dec 2018, pp. 1–7.
- [2] Y. Zhang, C. Wang, and H. Wei, "Incentive Compatible Mode Selection and Spectrum Partitioning in Overlay D2D-Enabled Network," in *2015 IEEE Globecom Workshops (GC Wkshps)*, Dec 2015, pp. 1–6.