

# Yi Zhang (Joey)

Assistant Professor · Xiamen University

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## EDUCATION

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### 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

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### 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

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- **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

*Journal article reviewer* IEEE Internet of Things Journal (IoT-J), IEEE Transactions on Wireless Communications (TWC), IEEE Transactions on Communications (TCOM), IEEE Transactions on Dependable and Secure Computing (TDSC), IEEE Transactions on Vehicular Technology (TVT), IEEE Transactions on Industrial Informatics (TII), IEEE Communications Letters (COMML), IEEE Access, IEEE/CAA Journal of Automatica Sinica (JAS), China Communications (CNCOMM)

*Conference & proceeding paper reviewer* IEEE Vehicular Technology Conference (VTC), IEEE Vehicular Networking Conference (VNC), Conference on Web and Internet Economics (WINE)

## RESEARCH INTERESTS

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

## SELECTED PUBLICATIONS

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### Journal Articles

- [1] 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.
- [2] Y. Zhang, Z. Chen, W. Chen, and H. Li, "Unobtrusive and Continuous BCG-Based Human Identification Using a Microbend Fiber Sensor," *IEEE Access*, vol. 7, pp. 72 518–72 527, 2019.
- [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.

### Conference & proceeding papers

- [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.