Yi Zhang (Joey)

Ph.D. Student · National Taiwan University

🌐 y-zhang.cn   ✉ yzhang.cn@outlook.com

EDUCATION

National Taiwan University	**Taipei, Taiwan**
Ph.D. Student of Communication Engineering	*Sept. 2017 - Now*
National Taiwan University	**Taipei, Taiwan**
Master of Communication Engineering	*Sept. 2014 - Jul. 2016*
Xiamen University	**Xiamen, China**
Bachelor of Software Engineering	*Sept. 2010 - Jun. 2014*

WORK EXPERIENCE

Haixi Institutes, Chinese Academy of Sciences	**Quanzhou, China**
Assistant engineer of Quanzhou Institute of Equipment Manufacturing	*Aug. 2016 - May 2017*
Chinasoft International Limited	**Xiamen, China**
Student internship	*Jul. 2013 – Aug. 2013*
Xiamen University	**Xiamen, China**
Team member of RCS robot team	*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** Embeded 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 Vehicular Technology (TVT), IEEE Transactions on Industrial Informatics (TII), IEEE Access, IEEE/CAA Journal of Automatica Sinica, 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

- Wireless Communication
- Mobile Edge Computing
- Internet of Things
- Game Theory

SELECTED PUBLICATIONS

Journal Articles

[1] Y. Zhang, J. Liu, C. Wang, and H. Wei, "Decomposable intelligence on cloud-edge iot framework for live video analytics," *IEEE Internet of Things Journal*, pp. 1–1, 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.