

RESEARCH POSITIONS (PHD, POSTDOC, RA) AT Hong Kong University of Science and Technology (HKUST)

Several PhD openings (for Fall 2022) and several postdoc/research assistant positions (from Oct 2021) are available at Prof. Jun Zhang's group at the Hong Kong University of Science and Technology (HKUST) in the following research directions:

- **Edge AI and edge computing**
 - Edge-assisted applications (e.g., edge video analytics, edge-assisted robot perception, etc.)
 - Task-oriented communication for edge AI
- **Deep learning and AI**
 - Graph neural network (its applications and theory)
 - Privacy-preserving collaborative learning (e.g., federated learning)
 - Interpretability and adversarial robustness of deep neural networks
- **Wireless communications**
 - Machine-type communications (URLLC, Massive connectivity)
 - Machine learning for wireless communications

Students with strong backgrounds in signal processing, machine learning, wireless communications, and mathematical optimization are encouraged to apply. Please send your CV to eejzhang@ust.hk. To apply for a postdoc position, please also provide 3 representative publications. Outstanding PhD applicants may also apply for the Hong Kong PhD Fellowship (<https://pg.ust.hk/prospective-students/scholarship-fees/hong-kong-phd-fellowship-scheme>).

About Prof. Jun Zhang (<https://eejzhang.people.ust.hk/>)

Dr. Jun Zhang is an Associate Professor in the Electronic and Computer Engineering (ECE) department at HKUST. He is a leading expert in wireless communications, mobile edge computing, and edge AI. He has published over 70 journal articles, and more than 80 conference papers, with current **Google Citation above 13,500 (h-index 49)**. He has received several best paper awards from top journals and international conferences, including the 2021 Best Survey Paper Award of the IEEE Communications Society, the 2019 IEEE Communications Society & Information Theory Society Joint Paper Award, and the 2016 Marconi Prize Paper Award in Wireless Communications (The best paper award of IEEE Transactions on Wireless Communications). Two papers he co-authored received the Young Author Best Paper Award of the IEEE Signal Processing Society in 2016 and 2018, respectively. He also received **the 2016 IEEE Communications Society Asia-Pacific Best Young Researcher Award** (one awardee every year in the entire Asia-Pacific region).

About HKUST

HKUST is a research intensive university, ranked No. 56 globally among 1,500 universities and No. 3 in the world's top 400 young universities by Times Higher Education (THE) in 2021. It has one of the best engineering schools in the world, ranked No. 26 in the world in 2021 according to the prestigious Times Higher Education World University Rankings in the Engineering & Technology field, and ECE (<http://www.ece.ust.hk/>) is ranked No. 20 in the world in QS World University Rankings by Subject in 2021.

