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

Several PhD openings (for Fall 2023) and several postdoc/research assistant positions (right available) 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 video analytics, deep video compression
  - Task-oriented communication for edge AI
  - Cooperative perception
- **Cooperative AI**
  - Privacy-preserving collaborative learning (e.g., federated learning)
  - Multi-agent reinforcement learning
- **Wireless communications**
  - Machine learning for wireless communications (with a focus on safety and robustness)
  - Machine-type communications (URLLC, Massive connectivity)

For PhD applicants: 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. Outstanding applicants will be nominated to apply for the prestigious Hong Kong PhD Fellowship (https://fytgs.hkust.edu.hk/scholarships/hong-kong-phd-fellowship-scheme).

For RA and Postdocs: Applicants with experience on communication system prototyping will be given higher priority. Please send your CV to eejzhang@ust.hk. To apply for a postdoc position, please also provide 3 representative publications.

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, and an IEEE Fellow. He is a leading expert in wireless communications, mobile edge computing, and edge AI. He has published over 70 journal articles, and more than 100 conference papers, with **Google Citation above 16,000 (h-index 52)**. 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, founded in 1991, is one of the fastest growing universities in the world. It is ranked No. 40 among World's Top 1500 Universities 2023 in QS World University Rankings, and No. 2 in the World's Top 50 Young Universities Under 50. It has one of the best engineering schools in the world, ranked No. 20 in QS World University Rankings by Subject 2022, and ECE (http://www.ece.ust.hk/) is ranked No. 28 in the world in QS World University Rankings by Subject in 2022.

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