

Post-Doctoral Fellow in Wireless Communications and AI

The University of Hong Kong (HKU) is a world renowned research university in Asia's most vibrant city, Hong Kong. It is the oldest tertiary institution in the territory and one of the most prestigious universities in Asia. The Department of Electrical & Electronic Engineering (EEE) at HKU was ranked 36 in the world by QS in 2021. In EEE, we offer outstanding opportunities and state-of-the-art facilities for faculty, researchers, and students to pursue cutting-edge cross-disciplinary research.

Several postdoc positions are available for fundamental research on advanced technologies for 6G intelligent networks under the supervision of Prof Kaibin Huang, a leading researcher on wireless communication for mobile edge computing and edge AI (group web: <https://www.eee.hku.hk/~wirelesslab/>). Topics include

- 1) Edge AI with focuses on communication efficient federated learning, split inference, and AI model downloading.
- 2) Machine learning for wireless communications with focuses on deep learning driven efficient channel feedback and integrated sensing and communications.
- 3) Semantic communications with focuses on knowledge graph assisted semantic encoding and semantic encoding for speeches and computer vision.

Salary is highly competitive and will be commensurate with qualifications and experience. Initial appointments will be made on a fixed-term contract of 1 year. Re-appointment thereafter will be subject to performance and mutual agreement. Eligible candidates are required to have a PhD degree with strong journal publication records in wireless communications, signal processing, and machine/deep learning.

Please send your application directly to Prof. Kaibin Huang (huangkb@eee.hku.hk). Your application email shall include:

- 1) Detailed CV.
- 2) A short statement describing your motivation, area of interest, and past experience with related topics.
- 3) Contact information for three references.