

11.2021

Opening Positions of Ph.D. Students in Internet of Things

Opening Positions

Multiple fully funded Ph.D. student positions starting from 09.2022 are now opening in [IoT Thrust, HKUST\(GZ\)](#). The positions will be in the research group, led by [Dr. Zhilu Lai](#), focusing on theoretical, analytical, and experimental studies for developing innovative methodologies of assimilating sensor data into the modeling, condition assessment, diagnostics, and virtualization of engineered systems. The prospective students are expected to explore the research area of:

- IoT applications in smart and resilient cities
- structural health monitoring
- physics-informed deep learning
- digital twins
- mobility sensing, computer vision-based infrastructure assessment, etc.

Your Profile

The preferred qualifications include:

- a Bachelor or Master degree in mechanical/civil/architecture engineering, computer science, electrical engineering, or a related field.
- multiple-disciplinary research experience is highly preferred, in one or more fields of: structural engineering, machine learning/deep learning, signal processing, computer vision, wireless sensing, etc.
- strong programming skills for the languages, such as Python, Matlab, C/C++, etc.
- a solid knowledge of written and spoken English
- English language requirement: TOFEL-iBT: 80; IELTS: 6.5 (all sub-score: 5.5)

Interested?

We look forward to receiving your application at the [online application system](#), and working together with you in the near future. The application deadline is 15 December 2021 (first round) and 1 March 2022 (second round). For further information, it is highly encouraged to discuss the opportunities directly with us at laiz@ethz.ch

About HKUST and IoT Thrust

HKUST is a leading international university ranked 1st by Times Higher Education Young University Rankings 2020 and 27th by QS World University Rankings 2021. It is establishing a new campus in Guangzhou, China (hkust-gz.edu.cn). The Guangzhou campus synergizes with and maintains the same academic standard as the Hong Kong campus. While capitalizing on the well-established disciplinary foundation at the Hong Kong campus, HKUST (GZ) charts new territories in higher education pedagogy through a unique and non-conventional Hub structure consisting of four Academic Hubs and a wide spectrum of cutting-edge Research Thrust Areas.

In order to foster true and meaningful collaboration between the two campuses, the 1.1-sq-km Guangzhou campus is conveniently located in Nansha, south of Guangzhou and adjacent to the Qingsheng station on the high-speed Guangzhou-Shenzhen-Hong Kong Express Rail Link. It takes just 30 minutes to travel there from the Hong Kong West Kowloon railway station. The HKUST(GZ) campus is targeted to open in September 2022.

The Internet of Things (IoT) Thrust Area is an academic department in the Guangzhou campus and adopts an inter-disciplinary pedagogy to prepare students with integrated knowledge to pursue new innovations and to explore the new research frontiers in forming IoT-enabled future smart cities and digital society.

