The University of Hong Kong (HKU)

Faculty of Engineering – Department of Electrical and Computer Engineering

Job Posting: Tenure-Track Assistant Professor in Biomedical Magnetic Resonance Imaging (MRI)

Reference Number	**537490**
Position Title	Tenure-Track Assistant Professor
Department	Department of Electrical and Computer Engineering (14300)
Category	Professoriate Staff
Work Type	Full-time
Location	Hong Kong
Advertised Date	October 7, 2026 (HK Time)
Application Deadline	December 31, 2026 (HK Time) or until filled

Department Overview

The University of Hong Kong has a highly ranked engineering school and active electrical and computer engineering programmes. The Department of Electrical and Computer Engineering offers B.Eng., M.Sc., M.Phil., and Ph.D. programmes.

More information about the Department can be obtained at: http://www.ece.hku.hk

The Position

We now invite applications for appointment as **Tenure-Track Assistant Professor** in the area of **Biomedical Magnetic Resonance Imaging (MRI)**.

The successful candidate will have the opportunity to work with an interdisciplinary team to advance ultra-low-field MRI technologies and facilitate their translation into cutting-edge healthcare applications.

Key Duties and Responsibilities

The appointee will be expected to:

- Conduct independent, original research;
- Develop and secure competitive external research funding;
- Supervise postgraduate research students;
- Teach undergraduate and postgraduate courses;
- Contribute to curriculum development and academic administration;
- Actively engage in interdisciplinary research collaborations.

Qualifications and Requirements

We seek a candidate with advanced training in the physical, engineering, and computational foundations of MRI, with a strong focus on deep tech and real-world impact.

- **Education:** A Ph.D. in Electrical Engineering, Biomedical Engineering, Physics, or a related discipline.
- **Track Record:** A strong track record of high-impact scholarly publications.
- **Technical Expertise:** Demonstrated deep technical expertise in at least one of the following core domains:
    1. **MRI Physics & Hardware Design:** Experience in magnet configurations, RF/gradient coil engineering, pulse sequence programming, and shielding-free system architectures.
    2. **Computational Imaging & AI:** Deep learning and data-driven image formation to tackle the grand signal-to-noise ratio (SNR) and resolution challenges in ultra-low-field MRI.
    3. **Translational Research:** Developing paradigm-shifting applications for ultra-low-field MRI, such as point-of-care imaging and population health monitoring.

Terms of Appointment & Remuneration Package

- **Contract Duration:** Fixed-term full-time contract for 3 years initially, commencing as soon as possible, with the possibility of renewal and consideration for tenure before the expiry of a second three-year fixed-term contract (subject to satisfactory performance).
- **Salary:** Highly competitive salary commensurate with qualifications and experience.
- **Retirement & Gratuity:** Contract-end gratuity and University contribution to a retirement benefits scheme at 15% of basic salary.
- **Benefits:**
    - Annual leave and medical benefits;
    - Free access to on-campus gymnasiums and libraries;
    - Housing benefits provided as applicable.

Application Instructions

The University only accepts online applications for these positions. Applicants must apply through the HKU Careers site (https://jobs.hku.hk) and upload the following documents:

1. **Cover Letter**
2. **Curriculum Vitae (C.V.)** including a complete list of publications
3. **Teaching Statement** (maximum 2 pages)
4. **Research Statement** (maximum 2 pages) outlining current and future research plans
5. **Contact Information** of at least three academic/professional referees

Review Timeline: Review of applications will start as soon as possible and continue until **December 31, 2026**, or until the post is filled, whichever is earlier. Only shortlisted candidates will be invited for an interview.

The University is an equal opportunities employer and is committed to equality, ethics, inclusivity, diversity, and transparency.