

Assistant Professor - Biomedical Electromagnetics -
(FAC002577)
University of Houston

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Posted Nov. 23, 2022, set to expire Mar. 25, 2023

Job Title Assistant Professor - Biomedical Electromagnetics - (FAC002577)
Department Electrical and Computer Engineering
<https://www.ece.uh.edu/>
Institution University of Houston
Houston, Texas

Date Posted Nov. 23, 2022

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Assistant Professor
Associate Professor
Professor

Academic Field(s) Electrical and/or Electronics
Computer Science
Bioengineering (all Bio-related fields)
Engineering - Other

Job Website https://uhs.taleo.net/careersection/ex2_uhf/jobdetail.ftl?job=FAC002577&lang=en

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**Apply By
Email**

**Job
Description**

The Department of Electrical and Computer Engineering at the University of Houston (UH) seeks to fill a tenure-track faculty position at the Assistant Professor level in the area of Biomedical Electromagnetics. We are especially interested in candidates with expertise in assessing the safety and efficacy of implantable medical devices and systems under harsh electromagnetic environments, such as MRI scanners, Novel electrical stimulation techniques for cardiac and neuromodulation systems, Wireless channel modeling, and antenna design for implantable devices inside realistic human body models, RF/analog system designs for healthcare-oriented wireless sensor networks. The successful candidate will be expected to develop a vibrant externally-funded research program that complements our existing strengths in healthcare-oriented electromagnetic compatibility research, antenna, wireless charging designs, RF/analog system design, and wireless sensor networks. The candidate will be expected to contribute to our graduate and undergraduate teaching programs and serve professional societies, the department, and the University.

The University of Houston, one of the most ethnically diverse major research university in the United States, is a Hispanic Serving Institution and an Asian American and Native American Pacific Islander-Serving Institution. Students come to UH from more than 137 nations. UH is also an NSF-ADVANCE institution, one of a select group of universities funded in support of our commitment to increasing the number and, importantly, the success of women faculty in STEM fields.

A complete application consists of: (1) a cover letter; (2) Curriculum Vitae; (3) a Research Statement; (4) a statement of education, discussing teaching interests and experience, mentoring experience, and ideas to enhance diversity, equity and inclusion; (5) copies of three representative publications; and (6) the name and contact information (phone number and email address) of three professional references whom we may contact. The review of applications will begin by December 1, 2022, and applications will continue to be reviewed until the positions are filled. This position is available effective Sept. 1, 2023. Pre-application inquiries are welcome – please contact Prof. Badri Roysam at broysam@uh.edu with any questions.

The University of Houston is responsive to the needs of dual-career couples.

The University of Houston is an Equal Opportunity/Affirmative Action employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply.

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EEO/AA Policy

The University of Houston, with one of the most diverse student bodies in the nation, seeks to recruit/retain a diverse community of scholars. Applications should include a cover letter, teaching statement, complete contact information for three (3) professional references, and a curriculum vitae

The University of Houston is an equal opportunity/affirmative action employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply. Additionally, the University prohibits discrimination in employment based on sexual orientation, gender identity or gender expression.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Badrinath Roysam
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University of Houston
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Engineering Building 1, Room N308
Houston, TX 77204

Contact E-mail broysam@uh.edu