

Assistant Professor (Tenure-track) in School of Electrical
and Electronic Engineering
Nanyang Technological University

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Posted Jul. 18, 2024, set to expire May 6, 2025

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| Job Title | Assistant Professor (Tenure-track) in School of Electrical and Electronic Engineering |
| Department | School of Electrical and Electronic Engineering |
| Institution | Nanyang Technological University Singapore, |
| Date Posted | Jul. 18, 2024 |
| Application Deadline | Open until filled |
| Position Start Date | Available immediately |
| Job Categories | Assistant Professor Adjunct Professor |
| Academic Field(s) | Electrical and/or Electronics Engineering - Other |
| Apply Online Here | https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Assistant-Professor--Tenure-track--in-School-of-Electrical-and-Electronic-Engineering_R00017806 |

Apply By Email

Job Description

Nanyang Technological University (NTU) invites applications for Assistant Professor (Tenure-track) in School of Electrical and Electronic Engineering.

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Young and research intensive, Nanyang Technological University, Singapore (NTU Singapore) has 36,000 undergraduate and postgraduate students in engineering, business, science, humanities, arts, social sciences, education and medicine. In the QS World University Rankings (WUR) by Subject 2024, NTU EEE was ranked 10th position in the world and 2nd position in Asia.

Established in 1981, the SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE) is one of the founding Schools of the Nanyang Technological University. Built on a culture of excellence, the School is renowned for its high academic standards and research. With about 120 faculty members and an enrolment of more than 4,000, of which about 1,000 are graduate students.

Join the SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING OF THE COLLEGE OF ENGINEERING, NANYANG TECHNOLOGICAL UNIVERSITY (<http://www.eee.ntu.edu.sg>) as a faculty member and embark on a challenging and exciting career in research innovations and discoveries and teaching excellence, so as to prepare engineering leaders of the future.

Applicants should possess a relevant undergraduate degree and a doctoral degree in one or more of the following areas.

- Renewable-Energy Power Systems
- Power Electronics & Energy Systems
- Smart Power Grids and Energy Storage
- Energy Efficient Buildings and Transportation
- Statistical and Adaptive Signal Processing, Signal Processing Theory and Systems
- Internet of Things
- Intelligent Computing, Information Security and Biometrics
- Modeling and Control of Complex Systems
- Learning-based Control
- Data-driven control
- Networked Systems and Optimization
- Next Generation Wireless and Optical Technologies
- Advanced Coding and Signal Processing for Communication, Storage and Security
- Antenna and RF/Microwave Design & Analysis
- Sensor Networks, Network Design, Network Security and Network Performance
- Nano and Micro-satellite design
- Space mission planning

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- Satellite communication
- IoT long-distance communication
- Antenna design for spacecrafts
- Autonomous satellite flight control
- Edge computing in space environment
- Laser application in space

Responsibilities

The job holder is expected to make useful contributions to fulfil the University's vision and mission. Specifically, the candidate is expected to:

- Develop and lead an innovative research programme of international quality
- Publish high quality papers in reputable peer-reviewed journals
- Secure competitive research grants and develop research programmes
- Supervise research personnel
- Contribute to teaching and course development at the undergraduate and postgraduate levels
- Supervise undergraduate and graduate students undertaking research projects.
- Undertake administrative and/or leadership roles.
- Contribute to other service-related activities assigned by School and University.
- Contribute to professional services

Requirements

Candidates with the following qualifications are encouraged to apply:

- A Ph.D degree in Electrical Engineering or in a relevant discipline with an outstanding scholarship record and a strong commitment to excellence in research and teaching.
- Extensive knowledge of within his/her fields of research
- Ability and strong drive to lead and contribute to inter-disciplinary research and large-scale projects for key applications
- Evidence of a developing international reputation in his/her field of research, for example fellowships, awards, invited presentations at international conferences, journal editorships or otherwise.
- Established track record of academic publications of international quality.
- Proven track record of securing funding as Co-I or lead investigator.

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Application

Applicants are invited to submit their applications (cover letter, CV, research and teaching statements, and citation report, where applicable) through the NTU career portal.

Review of applications and shortlisting decision will be on an on-going basis until the position is filled. Only shortlisted candidates will be notified.

Contact Information

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

Contact

Contact E-mail EEE-Fac-Recruit@ntu.edu.sg