

Assistant Professor (Tenure-track) in Control Theory and
Industrial Applications
Nanyang Technological University

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Posted Jun. 28, 2024, set to expire May 6, 2025

Job Title	Assistant Professor (Tenure-track) in Control Theory and Industrial Applications
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jun. 28, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Engineering - Other Electrical and/or Electronics
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Assistant-Professor--Tenure-Track--in-Control-Theory-and-Industrial-Applications_R00017643
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Apply By Email

Job Description

The Nanyang Technological University (NTU), Singapore, invites talented individuals to apply for Tenure-Track positions within its School of Electrical and Electronic Engineering (EEE), College of Engineering. As one of the three founding Schools of NTU, EEE stands out for its pursuit of academic and research excellence. With a global ranking of 9th in Electrical and Electronic Engineering

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according to the QS University Rankings by Subject 2023, we offer an unparalleled platform for professionals passionate about educating future engineering leaders.

We seek dedicated educators and researchers to join our team, focusing on a Tenure-Track Assistant Professor in Control Theory and Industrial Applications.

Position Description

Applicants should hold a PhD degree in Electrical and Electronic Engineering, or a closely related discipline. A strong background and experience in, but not limited to, one or more of the following areas is required: Robust and Adaptive Control, Data-Driven and Learning-Based Control, Model Predictive Control, Networked and Distributed Control, Quantum Control, Formal Methods in Control Synthesis, Safety and Cybersecurity of Control Systems. Past experiences in Industrial Applications such as Cyber-Physical Systems, Renewable Energy Systems and Smart Grids, Automotive and Transportation Systems, Robotics, Biomedical Systems, etc. will be positively valued.

Fresh PhD graduates will be considered but preferences are given to candidates with postdoctoral research/teaching experience at top ranked universities.

Responsibilities

A successful candidate is expected to meet the following requirements:

Research Excellence

- Disseminate new research findings in top ranked peer-reviewed journals and premier conferences in relevant areas, contributing significantly to the domain of Control Theory and Industrial Applications.
- Secure external research funding and develop a top-notch research program.
- Generate innovations through research that meet industrial sustainability needs.

Teaching and Mentoring

- Deliver undergraduate and graduate courses and design projects related to Control Theory and Industrial Applications.
- Mentor and supervise graduate students and postdoctoral research fellows, fostering a collaborative research environment.

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- Contribute to curriculum development and renovation to reflect new needs of Control Theory and Industrial Applications.

Service and Professionalism

- Enhance research collaboration between EEE and industry partners.
- Engage in school, university, and professional service activities.
- Contribute to the academic community through participation in conferences, seminars, and workshops.

Requirements

Candidates with the following qualifications are encouraged to apply:

- A Ph.D. in Electrical Engineering, Mechanical Engineering, Applied Mathematics, specialized in Systems and Control, or a related field.
- A strong track-record of research and innovation, manifested in relevant publications, awards and recognitions, in control theory and industrial applications.
- Experience in teaching and mentoring students.
- Strong commitment to academic service and leadership.
- Excellent interpersonal and communication skills.

Application

Interested applicants are invited to submit their applications through the NTU career portal by clicking the “Apply” button. To facilitate the process, please submit the following documents if applicable:

- A cover letter.
- Curriculum vitae, highlighting teaching and supervision experience.
- Teaching statement.
- Research statement.
- A 20-minutes demo-teaching video (if available).
- Names and contact details of at least three (3) referees.

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

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Contact Information

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

Contact

School of Electrical and Electronic Engineering
Nanyang Technological University
Singapore, Singapore
Singapore

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