

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

Direct Link: <https://www.AcademicKeys.com/r?job=238300>

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

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

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

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### **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.

### **Contact Information**

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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