

Assistant Professor / Associate Professor in Dynamical
Systems and Mathematics of Machine Learning
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=261341>

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Posted Aug. 19, 2025, set to expire May 6, 2026

Job Title	Assistant Professor / Associate Professor in Dynamical Systems and Mathematics of Machine Learning
Department	School of Physical and Mathematical Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Aug. 19, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Computer Science
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Assistant-Professor---Associate-Professor-in-Dynamical-Systems-and-Mathematics-of-Machine-Learning_R00021663
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Assistant-Professor---Associate-Professor-in-Dynamical-Systems-and-Mathematics-of-Machine-Learning_R00021663
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Job Description	

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School of Physical and Mathematical Sciences (SPMS)

Nanyang Technological University, Singapore

Assistant Professor / Associate Professor in Dynamical Systems and Mathematics of Machine Learning

Young and research-intensive, Nanyang Technological University (NTU Singapore) is ranked among the world's top universities. The College of Science seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status, family responsibilities, or disability.

The School of Physical and Mathematical Sciences at NTU offers multidisciplinary academic programs that provide students with a wide-ranging and up-to-date education. They offer undergraduate training leading to BSc (Hons) and graduate training leading to MSc and PhD degrees.

We invite applications for an **Assistant Professor / Associate Professor** position specialising in **Dynamical Systems and Mathematics of Machine Learning**. We are looking for world-class candidates with expertise in dynamical systems, numerical analysis, stochastic analysis, and with experience in applying these domains to recurrent neural networks, state-space systems, reservoir computing, learning of dynamic processes, and mathematical learning theory in general. The successful candidate will be expected to teach both undergraduate and postgraduate courses in pure and applied mathematics, conduct high-quality research in the areas of dynamical systems, random dynamical systems, state-space systems, and their applications to machine learning theory and time series forecasting, and promote interdisciplinary collaboration among the disciplines of mathematics, physics, computer science, and engineering that push the development of reliable dynamical machine learning methods for applications. Candidates with strong academic portfolios are encouraged to apply. The successful candidate should actively seek collaborations with research groups beyond his/her research field and leverage on the multidisciplinary ecosystem of NTU.

The candidates are expected to:

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- Establish a world-class research programme.
- Enhance the College's visibility as an international leader in education and research.
- Secure research funding from competitive grants and industry partnerships.
- Mentor and supervise graduate students and postdoctoral researchers.
- Collaborate with interdisciplinary teams within the university and with external partners.
- Deliver engaging and effective teaching to both undergraduate and graduate students.
- Undertake essential administrative responsibilities within the Schools.

Requirements:

- PhD in mathematics or a related subject.
- Strong research record and relevant publications in reputable peer-reviewed international journals and conferences.
- A good track record of supervising research staff, postdocs, students, and interns in relevant fields
- Experienced in cross-disciplinary research initiatives and collaboration.
- Demonstrated excellence in research, evidenced by a strong publication record in reputable journals
- Recognition in the research community, such as invited talks, awards, or memberships in professional societies.
- Proven ability to secure research funding.

Application Procedure

Required application documents:

- Cover letter.

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- Curriculum Vitae, including a full publication list.
- Statement of current and future research interest.
- Teaching statement.
- Names of at least three referees.

Contact Information

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

Contact Ng Soke San
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Nanyang Technological University
Singapore
Singapore

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