

Assistant Professor (Tenure-track) in Aerospace
Engineering (Rotordynamics)
Nanyang Technological University

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Posted Oct. 2, 2024, set to expire May 6, 2025

Job Title	Assistant Professor (Tenure-track) in Aerospace Engineering (Rotordynamics)
Department	School of Mechanical and Aerospace Engineering
Institution	Nanyang Technological University Singapore, Singapore, Singapore
Date Posted	Oct. 2, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Assistant Professor
Academic Field(s)	Robotics Mechatronics Mechanical Engineering Manufacturing & Quality Engineering Industrial & Systems Engineering Human Factors Engineering/Ergonomics Engineering Physics Engineering Mechanics Electrical and/or Electronics Bioengineering (all Bio-related fields) Aerospace/Aeronautical/Astronautics Engineering - Other
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Assistant-Professor--Tenure-track--in--Aerospace-Engineering--Rotordynamics-_R00018584

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Job Description

The School of Mechanical and Aerospace Engineering (MAE) is one of the top 12 mechanical and aerospace engineering schools in the world. With well-established industry partnerships, MAE provides an active and vibrant research environment with excellent R&D infrastructure and numerous opportunities for research funding. The school has an enrolment of over 2500 undergraduate students with over 90 faculty members and 140 full-time research staff working in well-equipped state-of-the-art laboratories. A growing research student population of over 400 is also actively engaged in strategic research and development work.

We invite highly qualified candidates in the following expertise areas to join our dynamic team of faculty.

- Aerospace Engineering (Rotordynamics)

Candidate Profile:

- Possess relevant Bachelor and PhD degrees from reputable universities.
- Relevant postdoctoral experience will be desirable.
- Candidate should possess strong experimental or simulation expertise in rotordynamics or closely related research and technology, as well as good theoretical knowledge required for high-quality teaching.
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Demonstrably strong track record in journal and/or conference publications.

- Application of Artificial Intelligence, Machine Learning and/or Data Analytics approaches in rotordynamics or Aerospace Engineering research and teaching in general would be viewed favourably.
- Ability to develop a robust rotordynamics related research and teaching programme is expected as part of the appointment. Evidence of good track record in this area would be viewed favourably.

Successful candidates are expected to teach at both undergraduate and graduate levels, supervise graduate students and undergraduate projects. Candidates on tenure-track would also be expected to acquire research funding and conduct research. There are opportunities to collaborate with faculty members with expertise in aerodynamics, aeroelasticity, flight control, materials, propulsion, structures, as well as experiments and numerical simulations, and the candidate is encouraged to collaborate for a more synergistic environment.

We Provide:

- An active and vibrant research environment
- Excellent R&D infrastructure and opportunities for research funding
- Well-equipped state-of-the-art laboratories
- Attractive research start-up grants and PhD student scholarships
- A competitive remuneration package and attractive benefits

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Contact Information

Please reference Academickeys in your cover letter when
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Contact

Singapore