

Assistant Professor (Tenure-track) in Urban Sustainability
and Intelligent Energy Systems
Nanyang Technological University

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Posted Feb. 16, 2024, set to expire Jun. 17, 2024

Job Title	Assistant Professor (Tenure-track) in Urban Sustainability and Intelligent Energy Systems
Department	School of Mechanical and Aerospace Engineering
Institution	Nanyang Technological University Singapore, Singapore, Singapore
Date Posted	Feb. 16, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Assistant Professor
Academic Field(s)	Transportation Engineering Sustainable Engineering Robotics Optics & Optical Engineering Mechatronics Mechanical Engineering Material/Metallurgy Manufacturing & Quality Engineering Industrial & Systems Engineering Engineering Mechanics Aerospace/Aeronautical/Astronautics
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Job Description

The School of Mechanical and Aerospace Engineering (MAE) is one of the top 11 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 2,500 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.

Urban Sustainability and Intelligent Energy Systems

Candidate Profile:

- Possess relevant Bachelor and PhD degrees from reputable universities.
- A good research track record, and postdoctoral experience would be advantageous.
- Research intersects the multidisciplinary field of urban sustainability, sustainable built environment, and intelligent energy systems.
- Urban sustainability, sustainable built environment, and intelligent energy systems in areas of interest including but not limited to urban climate/micro-climate analysis, net zero (carbon and energy) technologies, digitalization of buildings and energy systems, building-to-grid integration and advanced control and optimization methods.
- Demonstrate specialization in experimental methodologies, computational analysis/simulation and data analytics/modelling.
- The ability to develop and conduct an effective experimental, computational/numerical research program in urban sustainability, sustainable built environment, and intelligent energy systems is expected.

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.

We Provide:

- An active and vibrant research environment
- Excellent R&D infrastructure and opportunities for research funding

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- Well-equipped state-of-the-art laboratories
- Attractive research start-up grants and PhD student scholarships
- A competitive remuneration package and attractive benefits

Contact Information

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

Contact

Singapore