

Research Fellow (Mechanical Metamaterials)
Nanyang Technological University

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Posted Mar. 7, 2024, set to expire Jul. 7, 2024

Job Title	Research Fellow (Mechanical Metamaterials)
Department	School of Mechanical and Aerospace Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Mar. 7, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Mechanical Engineering
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Mechanical-Metamaterials-_R00016410
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Job Description	

The School of Mechanical & Aerospace Engineering (MAE) is looking for a research fellow to conduct research on design, simulation, optimization, and fabrication of mechanical metamaterials with desired mechanical properties.

Key Responsibilities

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Design mechanical metamaterials with desired mechanical properties by leveraging computational modelling and machine learning optimization.

- Conduct experiments involving additive manufacturing, material characterization, and mechanical testing of the designed micro/nanoarchitected materials.
- Deliver project millstones timely and summarize research findings for publication.

Job Requirements

- PhD degree in solid mechanics.
- Extensive experience in micro/nanoscale fabrication and computational modelling of mechanical metamaterials.
- Ability to combine experimental and computational methodologies to accomplish research objectives.
- Good interpersonal, presentation and communication skills.
- Good publication track record.

We regret that only shortlisted candidates will be notified.

Contact Information

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

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Contact

Singapore