

Research Associate (Mechanics/Mechanical Engineering)
Nanyang Technological University

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Posted Mar. 13, 2024, set to expire Jul. 12, 2024

Job Title	Research Associate (Mechanics/Mechanical Engineering)
Department	School of Mechanical and Aerospace Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Mar. 13, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Mechanical Engineering
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Associate--Mechanics-Mechanical-Engineering-_R00016475
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Associate--Mechanics-Mechanical-Engineering-_R00016475
Apply By Email	
Job Description	

The School of Mechanical & Aerospace Engineering (MAE) invites applications for the position of Research Associate.

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Key Responsibilities:

- Play an essential role in the conceptualization and design of the experiments
- Select the materials systems and structures to enhance the adhesion capability and adhesion switchability of the adhesive gripper
- Establish the mechanics model of the adhesive metamaterial gripper for optimization
- Preparation and integration of the smart gripper and adhesive film
- Explore potential applications such as robotic gripping and object sorting
- Collaborate with PhD students and visiting students working on the project
- Write paper and publish research results in internationally reputable journals
- Help supervise undergraduate FYP students and URECA students

Job Requirements:

- Master's degree in Mechanics or Mechanical Engineering
- Rich experience in experimentation and modeling of soft materials
- Rich experience in mechanics modeling of shape memory polymer adhesives
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Good communication and writing skills in English

- Good interpersonal skills
- Strong responsibility for research work
- Publication track record is an advantage

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.

Contact

Singapore