

Research Fellow (Mechanical/Electrical Engineering/Civil
Engineering)
Nanyang Technological University

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

Job Title	Research Fellow (Mechanical/Electrical Engineering/Civil Engineering)
Department	School of Mechanical and Aerospace Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 16, 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-Electrical-Engineering-Civil-Engineering-_R00016204
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Mechanical-Electrical-Engineering-Civil-Engineering-_R00016204
Apply By Email	
Job Description	

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

The Research Fellow will work on a project to conduct the research on developing ultrasonic based

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non-destructive evaluation methods.

Key Responsibilities:

- Design ultrasonic experiments
- Process the results with advanced signal processing techniques
- Participate in the design and testing of electronic board for ultrasonic applications
- Perform finite element simulations in ultrasonic wave propagation in solids
- To work with PhD and other research staff to solve different measurement problems
- Drafting and submission of technical progress reports at regular intervals
- Presenting of research progress and latest findings at regular intervals

Job Requirements:

- A PhD degree related to Mechanical, Electrical Engineering Or Civil Engineering
- Strong experimental skills, including design, measurement, and data processing
- Strong programming skills (Matlab, C++ or Python)
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Good knowledge in electronics design and testing

- Good knowledge of wave propagation
- Excellent English writing and communication skills
- Knowledge in material characterization, finite element modelling, ultrasonic array and ultrasonic guided waves will be 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