Research Fellow (Data-driven Design)
Nanyang Technological University

Job Title	Research Fellow (Data-driven Design)
Department	School of Mechanical & Aerospace Engineering (MAE)
Institution	Nanyang Technological University
	Singapore, , Singapore
Date Posted	Mar. 28, 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--Data-driven-Design-_R00016638
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Data-driven-Design-_R00016638

Apply By Email

Job Description

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

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Key Responsibilities:

- Work on a project to create optimized designs for heat exchanger;

- Perform multi-physics numerical simulation to establish specific dataset;

- Build machine learning models to learn performance of heat exchanger;

- Deliver design results with no additive manufacturing production issues.

Job Requirements:

- PhD in Mechanical Engineering, Structural Engineering, Aerospace Engineering, Machine Learning, or related fields

- At least 3-year research experience in related areas

- Expertise in numerical simulation of multi-physics systems, such as fluid-solid coupling structures

- Experience in additive manufacturing, and machine learning

- Proficiency in basics of programming languages such as C++, Python, and/or Matlab

- Proficiency in English speaking and writing

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Publication track record is an advantage for this position

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