

Research Associate (Engineering)
Nanyang Technological University

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Posted Apr. 3, 2024, set to expire Apr. 1, 2025

Job Title	Research Associate (Engineering)
Department	Energy Research Institute @ NTU
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 3, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff Research Scientist/Associate
Academic Field(s)	Material/Metallurgy Energy Technology Electrical and/or Electronics Chemical/Petroleum Engineering - Other
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Job Description

The Energy Research Institute @ NTU invites applications for the position of Research Associate. Reporting to the Principal Investigator, the Research Associate is responsible for the development of fuel cell single and stack and should have the following requisites.

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Key Responsibilities:

- Literature review of PEMFC single layer model with effective area of 10 x 10 cm
- Literature review of graphic theory and pattern design
- Design of the flow field for air-cooled and liquid-cooled flow channel
- Develop graphical algorithm for flow pattern generation
- Develop single cell and short stack fuel model
- Any other tasks as requested by the PI

Job Requirements:

- Minimum Master degree in engineering or relevant discipline
- Good knowledge in polymer electrolyte membrane fuel cell
- Prior experience in conducting performance characterization on polymer electrolyte membrane fuel cell
- Able to work independently to achieve the research milestones and tasks given
- Proficiency in English

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