

Research Fellow (Hybrid Low-cost Operational System for
Remote Monitoring of Waves and Currents in Coastal
Waters)

Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=232600>

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Posted Mar. 8, 2024, set to expire Jul. 8, 2024

Job Title Research Fellow (Hybrid Low-cost Operational
System for Remote Monitoring of Waves and
Currents in Coastal Waters)

Department Nanyang Environment & Water Research Institute

Institution Nanyang Technological University

Singapore, , Singapore

Date Posted Mar. 8, 2024

Application Deadline Open until filled

Position Start Date Available Immediately

Job Categories Professional Staff

Academic Field(s) Ecological and Environmental

Civil Engineering

Engineering - Other

Job Website https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--Hybrid-Low-cost-Operational-System-for-Remote-Monitoring-of-Waves-and-Currents-in-Coastal-Waters-_R00016419-1

Apply By Email

Job Description

A Research Fellow position is currently available in the Nanyang Environment & Water Research Institute (NEWRI).

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Key Responsibilities:

- Support research work in climate resilience for the coastal environment, particularly on hydrodynamic and sediment transport modelling in coastal waters with waves and currents
- Responsible for supervising the installation and maintenance of the buoy sensors and collection of wave data
- Develop original software for the modelling simulations and output visualization
- Perform experiments to validate the modelling results
- Summarize the findings in this project and lead the production of high-quality research reports

Job Requirements:

- PhD degree in Civil and Environmental Engineering or related disciplines
- At least 2 years of research experience in modelling of hydrodynamics and sediment transports in coastal waters, including development of original algorithms and software for the modelling simulations
- At least 4 years of experience in performing field and laboratory measurements of currents and waves in coastal waters
- Highly motivated individual who is able to work independently
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Good communication skills & team player

- Strong interest in research work, laboratory experiments and field work
- Highly driven, independent, and resourceful

We regret to inform 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

Nanyang Environment & Water Research Institute
Nanyang Technological University
Singapore