

**Research Fellow (Civil Engineering/Engineering)
Nanyang Technological University**

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Posted May 28, 2024, set to expire Apr. 1, 2025

Job Title	Research Fellow (Civil Engineering/Engineering)
Department	Institute of Catastrophe Risk Management
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	May 28, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff Research Scientist/Associate
Academic Field(s)	Civil Engineering Engineering - Other
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--Civil-Engineering-Engineering-_R00017330
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Job Description	

The Institute of Catastrophe Risk Management (ICRM) at NTU invites applications for a Research Fellow as a modeller in natural catastrophes exposure and loss. ICRM is a multi-disciplinary catastrophe risk management research institute which develops understandings and models of Asia's risks related to natural disasters such as earthquakes, tsunamis, typhoons, and floods, and non-

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traditional risks such as infectious diseases and terrorism. This position at ICRM is for developing and maintaining the ICRM's exposure and loss models, running of in-house risk models, exposure and loss data collection and outreach activities.

Key Responsibilities:

- Produce output data and papers/reports relating to exposure and loss, cascading loss effects
- Establish procedures on data quality assurance
- Develop documentation.

Job Requirements:

- PhD degree in Civil Engineering or in Engineering in a closely relevant field.
- Familiar with data and models, and software used in exposure and loss modelling.
- Competency in programming languages, such as Matlab, R, or Python, within a GIS environment
- Able to publish and communicate effectively to both technical and non-technical audiences
- Able to advance research for emerging risks such as relating to climate and urbanization
- Domain knowledge via PhD work and/or with the insurance industry would be preferable.
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Self-motivated, pro-active, results-oriented professional with an ability to work with minimal supervision in dealing with data uncertainties

- Good written and verbal communication skills
- Strong presentation skills
- Good in articulating data characteristics and research results
- Able to work effectively as an individual and in a team.

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