

Research Fellow (Protective Engineering) Nanyang Technological University

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Posted Mar. 6, 2025, set to expire Jul. 5, 2025

Job Title	Research Fellow (Protective Engineering)
Department	School of Civil and Environmental Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Mar. 6, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Civil Engineering Structural Engineering
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Job Description

The School of Civil and Environmental Engineering (CEE) is a leading school for Sustainable Built Environment. The key objective is to support efforts to excellence in providing advanced education, spearheading groundbreaking research, and delivering unparalleled professional services.

We are looking for a Research Fellow to enhance the blast resistance of precast structures and analyze progressive collapse in flat slab systems. The role will focus on creating safer and resilient environments, addressing critical challenges, such as structural safety and resilience, and contributing meaningfully to our overarching commitment to protect communities and foster innovation in construction safety.

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Key Responsibilities:

- Conduct research and perform in-depth analyses to improve blast resistance in precast structures and assess the risk of progressive collapse in flat slab systems.
- Develop and implement innovative methods and solutions to enhance building safety and structural resilience.
- Collaborate with interdisciplinary teams to design, test, and optimize new materials and construction techniques.
- Provide expert guidance on blast mitigation strategies and progressive collapse prevention in project planning.
- Ensure project compliance with safety standards while contributing to the university's mission of fostering innovation and protecting community welfare.

Job Requirements:

- PhD degree in Civil/Structural Engineering or related field
- Knowledge of blast effects on structures and progressive collapse analysis
- Familiarity with blast resistance safety standards
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Good written and oral communication skills

- Experience with precast concrete structure design and analysis
- Proficiency in structural analysis software and CAD.
- Competent in analytical, problem-solving, and communication skills

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

Singapore