

Research Fellow (Electrical & Electronic
Engineering/Material Science/Physics)
Nanyang Technological University

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Posted Mar. 22, 2024, set to expire Jul. 22, 2024

Job Title	Research Fellow (Electrical & Electronic Engineering/Material Science/Physics)
Department	NTI-NTU Corporate Laboratory
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Mar. 22, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Material/Metallurgy Electrical and/or Electronics Engineering - Other
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Electrical---Electronic-Engineering-Material-Science-Physics-_R00016595
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Job Description	

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("Nanofilm", "NTI"), Nanyang Technological University ("NTU") and supported by Singapore under RIE2025. The Laboratory's objective is to propel Innovation and Technologies commercialisation through NTU's innovation and NTI's deep technology. NTI-NTU Corporate Laboratory aligns with Singapore's RIE2025 handbook – which emphasises the nation's commitment to research and innovation, aiming to drive economic growth and address national challenges.

The Nanyang Technological University NTI-NTU Corporate Laboratory is seeking to hire a Research Fellow. The selected candidate will innovate hybridized composite materials and thin film coatings.

Key Responsibilities:

- Design, planning, and setting up of large-scale chemical vapor deposition (CVD) system.
- Design appropriate experiments for CVD growth of 3D boron nitride (BN) foams.
- Optimize CVD growth parameters to obtain tunable high-quality 3D BN foams.
- Perform and analyze SEM, TEM and Raman and other material characterization.
- Perform thermal characterization and real-application tests.
- Prepare monthly reports and presentations for meetings and project deliverables.

Job Requirements:

- Possess PhD degree in Electrical and Electronic Engineering, Material Science, Physics or

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related disciplines.

- Experience in operating CVD systems.
- Experience in nanomaterial characterization techniques.
- Good management skills.
- Good interpersonal skills.
- Excellent teamwork awareness.
- Good communication and writing in English.
- Strong responsibility for research/work.

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