

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

Direct Link: <https://www.AcademicKeys.com/r?job=233333>

Downloaded On: Jul. 3, 2024 5:25am

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
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Electrical---Electronic-Engineering-Material-Science-Physics-R00016595
Apply By Email	
Job Description	

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

Direct Link: <https://www.AcademicKeys.com/r?job=233333>

Downloaded On: Jul. 3, 2024 5:25am

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

("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

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

Direct Link: <https://www.AcademicKeys.com/r?job=233333>

Downloaded On: Jul. 3, 2024 5:25am

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

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