Research Fellow (Engineering/Science)
Nanyang Technological University

Job Title	Research Fellow (Engineering/Science)
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	Professional Staff
Academic Field(s)	Engineering - Other
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Engineering-Science-_R00016582
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Job Description

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NTI-NTU Corporate Laboratory is a collaboration between Nanofilm Technologies International Limited (“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:

- Simulate, design, fabricate and characterize plasma process equipment.
- Familiar with COMSOL software to simulate the influence of magnetic field on plasma flow.
- Conducts various design simulations to refine processes.
- Optimize vacuum coating processes, and leading R&D efforts in material science for application development.
- Drives the development and implementation of coating techniques.
- Oversee the transition from experimental designs to scalable solutions.
- Additionally, the role requires preparation and delivery of comprehensive reports to satisfy the stipulations of funding entities and corporate mandates.

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Job Requirements:

- Ph.D. in a relevant engineering or science discipline is required.
- At least 5 years of combined specialized post-doctoral experience in industry or a recognized research institute.
- Expertise in plasma physics, plasma source design, plasma control system design and a strong track record of research publications and patent filings are essential.
- Applicants must demonstrate effective collaboration skills in multidisciplinary settings.

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