

Research Scientist (III-Nitride material epigrowth)
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=255901>

Downloaded On: Apr. 19, 2025 10:09am

Posted Apr. 16, 2025, set to expire Aug. 15, 2025

Job Title	Research Scientist (III-Nitride material epigrowth)
Department	Temasek Laboratories@NTU
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 16, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Physics - General Materials Sciences/Polymer Sciences Sciences - General
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Scientist--III-Nitride-material-epigrowth-_R00020417

Apply By Email

Job Description

Temasek Laboratories@NTU explores the frontiers in science and develops strategic technologies to enhance the defence and security of Singapore. TL@NTU forms part of the defence technology community in Singapore alongside DSO National Laboratories, Defence Science and Technology Agency (DSTA), Temasek Laboratories @ NUS and @SUTD and the local defence industry.

Temasek Laboratories@NTU is looking for a candidate to join them as a Research Scientist.

Key Responsibilities:

**Research Scientist (III-Nitride material epigrowth)
Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=255901>

Downloaded On: Apr. 19, 2025 10:09am

Posted Apr. 16, 2025, set to expire Aug. 15, 2025

- Responsible for operation, preventive maintenance and troubleshooting of Metal Organic Chemical Vapor Deposition (MOCVD) and Molecular Beam Epitaxy (MBE) systems
- Develop III-Nitride epistructure using MOCVD and MBE systems
- Grow III-Nitride epistructures on different substrates such as Si, SiC and Sapphire
- Characterize the grown epilayers using tools such as microscope, AFM, XRD, PL, Hall, CV etc for the structural, electrical and optical properties
- Writing technical reports

Job Requirements:

- The candidate should have a master's degree in physics, materials science or electrical and electronic engineering
- Master's degree with at least 6 years of experience or bachelor's degree with at least 8 years of experience
- Hands-on experience MOCVD and ultra-high vacuum systems and semiconductor characterization tools

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.

Research Scientist (III-Nitride material epigrowth)
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=255901>

Downloaded On: Apr. 19, 2025 10:09am

Posted Apr. 16, 2025, set to expire Aug. 15, 2025

Contact

Temasek Laboratories@NTU
Nanyang Technological University
Singapore