

Senior Research Fellow (Compound Semiconductor
Growth and Device Fabrication)
Nanyang Technological University

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Posted Feb. 21, 2024, set to expire Jun. 22, 2024

Job Title	Senior Research Fellow (Compound Semiconductor Growth and Device Fabrication)
Department	ERIAN
Institution	Nanyang Technological University Singapore , Singapore, Singapore
Date Posted	Feb. 21, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Professor
Academic Field(s)	Engineering - Other
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Senior-Research-Fellow--Compound-Semiconductor-Growth-and-Device-Fabrication-_R00016256
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Job Description	

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The Senior Research Fellow (RF) will work on a research project to conduct research on the development of compound semiconductor growth and device processing in Energy Research Institute @ NTU (ERI@N).

Key Responsibilities:

- Develop regrowth fabrication process using highly doped GaN structure to reduce the Ohmic contact resistance, preferably having worked in clean room process environment
- Support in the growth of GaN epistructures using MBE growth process technology
- Electrical, structural, surface and optical characterization of III-Nitride semiconductor epiwafers
- Thorough analysis of the results and publish in high impact factor scientific journals
- Independent handling of the project to meet the deliverables timely
- Writing project proposal and technical reports to the funding agencies
- Support PhD students and junior research staff in their research projects

Job Responsibilities:

- PhD in Physics, Materials Science, Electrical and Electronic Engineering or related field
- Hands-on experience with III-Nitride semiconductor heterostructure growth and characterization,

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and preferably device processing in cleanroom and characterization tools

- Self-driven and motivated person who is a good team player
- Ability to adapt to changing priorities
- Fluent in English and competent in technical writing skills

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