

**Research Scientist (Hardware Assurance)
Nanyang Technological University**

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Posted Feb. 10, 2025, set to expire Jun. 12, 2025

Job Title	Research Scientist (Hardware Assurance)
Department	Temasek Laboratories@NTU
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 10, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics Engineering - Other
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Scientist--Hardware-Assurance-_R00019751
Apply By Email	
Job Description	

The [Centre of Hardware Assurance](#) (CHA), Temasek Laboratories@NTU, is looking for a candidate to join as a Research Scientist to conduct research in the evaluation and vulnerability analysis of hardware security mechanisms in devices at the chip, firmware and PCB levels.

Key Responsibilities

- Prepare electronic samples at both chip and PCB levels with advanced facilities and techniques,

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which are widely used in semiconductor industry for invasive, semi-invasive and non-invasive hardware security analysis

- Plan, study and investigate workflows for the chip and PCB security analysis
- Improve the developed security analysis workflows with higher throughput and accuracy
- Analyze PCB and microchip through various state-of-the-art non-destructive analysis / characterization techniques and tools

Job Requirements

- Ph.D. in Electrical and Electronic Engineering, Materials Science and Engineering, or a related discipline, or a Master's degree in these fields with a minimum of five years of relevant work experience
- Knowledge in microelectronics and packaging is required, knowledge in failure analysis is a plus
- Excellent verbal and written communication skills
- Problem solving, research and analytical skills
- Independent and can work well in a team

We regret to inform that only shortlisted candidates will be notified.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Temasek Laboratories@NTU
Nanyang Technological University
Singapore