

Research Fellow (Signal Processing)
Nanyang Technological University

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Posted Feb. 26, 2024, set to expire Jun. 27, 2024

Job Title	Research Fellow (Signal Processing)
Department	School of Electrical & Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 26, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Computer/Information Sciences
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Signal-Processing-_R00016311
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Signal-Processing-_R00016311
Apply By Email	
Job Description	

The School of Electrical & Electronic Engineering (EEE) invites applications for the position of Research Fellow.

We invite suitable candidate to join a strong research team in Temasek Laboratories@NTU as a Research Fellow.

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Key Responsibilities:

- Conduct research in digital signal processing, in particular the detection and localization of active and passive targets via wireless RF signals in the harsh environment.
- Conduct both theoretical development of methods and experiment design to validate the developed methods.
- Co-supervise junior researchers/interns/students.
- Carry out detailed literature review and assessment of the state-of-the-art technologies.
- Plan and execute detailed R&D activities in order to meet project objectives and deadlines.
- Generate novel scientific or technological concepts for application of breakthrough nature and contributing to research proposals.
- Handle administrative matters which may include safety, asset management and other aspects related to being a member of Temasek Labs@NTU.

Job Requirements:

- PhD degree in Electrical & Electronics Engineering or other related fields
- Strong background and knowledge in modern RF communications / digital signal processing particularly in Radar or Array processing
- Strong algorithm development and programming skills on MATLAB or Python
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Knowledge on machine learning or deep learning

- Familiarity with Ettus USRP devices, GNU Radio/Labview programming are plus factors
- Good publication record
- Excellent communication skills in English

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 Eunice
School of Electrical & Electronic Engineering
Nanyang Technological University
Singapore
Singapore