

Research Fellow (Signal Processing)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=231374>

Downloaded On: May. 8, 2024 11:19pm

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

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

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

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

### 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
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Strong algorithm development and programming skills on MATLAB or Python

- 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