

Research Fellow (Quantum Sensing Technologies for
Wireless Communications and Sensing)
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=261710>

Downloaded On: Aug. 27, 2025 4:51pm

Posted Aug. 27, 2025, set to expire May 6, 2026

Job Title	Research Fellow (Quantum Sensing Technologies for Wireless Communications and Sensing)
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Aug. 27, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Quantum-Sensing-Technologies-for-Wireless-Communications-and-Sensing-_R00021745

Apply By Email

Job Description

School of Electrical and Electronic Engineering is one of the founding Schools of the Nanyang Technological University. Built on a culture of excellence, the School is renowned for its high academic standards and research. With over 3,000 undergraduates students and 2,000 graduate students it is one of the largest EEE schools in the world and ranks 4th in the field of Electrical & Electronic Engineering in the 2025 QS World University Rankings by Subjects.

**Research Fellow (Quantum Sensing Technologies for
Wireless Communications and Sensing)
Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=261710>

Downloaded On: Aug. 27, 2025 4:51pm

Posted Aug. 27, 2025, set to expire May 6, 2026

Today, the School has become one of the world's largest engineering schools that nurtures competent engineers and researchers. Each year, the School graduates over a thousand students who are ready to take on great ambitions and challenges.

For more details, please view: <https://www.ntu.edu.sg/eee>

The Research Fellow will work on a project on quantum sensing technologies (e.g., Rydberg atomic sensors) for wireless communications and sensing.

Key Responsibilities:

- Develop quantum-related theories, models, and algorithms for various communications/sensing applications.
- Design the quantum sensing prototype for wireless communications/sensing applications.
- Conduct software simulations and hardware experiments.
- Document research outcome to publish at top international journals/conferences.
- Write research contents and reports for the project application and progress.
- Work with other research fellow and PhD students for the system development.

Job Requirements:

- PhD degree in Electrical and Electronic Engineering or Physics, or related field.
- Have prior experience in wireless communication/sensing knowledges or Quantum sensing.
-

Research Fellow (Quantum Sensing Technologies for
Wireless Communications and Sensing)
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=261710>

Downloaded On: Aug. 27, 2025 4:51pm

Posted Aug. 27, 2025, set to expire May 6, 2026

Experience with quantum experimental platform is a plus.

- A thorough knowledge of the quantum physics, atom-light interaction, electromagnetic wave is highly preferred.
- Excellent interpersonal communication, presentation skills, and publication record.

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.

Contact

Singapore