

Research Fellow (Coding Theory)
Nanyang Technological University

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Posted Sep. 9, 2025, set to expire May 6, 2026

Job Title	Research Fellow (Coding Theory)
Department	School of Physical and Mathematical Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Sep. 9, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Mathematics/Applied Mathematics
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Coding-Theory-_R00021845-1
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Job Description	

Join Our Team at the School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore

The School of Physical and Mathematical Sciences (SPMS) at NTU Singapore hosts research and education activities in two divisions: Division of Mathematical Sciences (MAS) and Division of Physics

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and Applied Physics (PAP). MAS covers diverse topics ranging from pure mathematics to the applications of mathematics in cryptography, computing, business, and finance. PAP covers many areas of fundamental and applied physics, including quantum information, condensed matter physics, biophysics, and photonics. Over the years, SPMS has attracted talented individuals from around the world and Singapore to join as scientific leaders and researchers.

Position Available: Research Fellow, Coding Theory

Key Responsibilities

- Lead the development of novel decoding strategies for modern error-correction applications.
- Formulate and refine mathematical frameworks to address challenges in data reconstruction and repair.
- Analyse and evaluate the performance of proposed methods under a range of scenarios, including worst-case and average-case models.

Job Requirements

- PhD in Mathematics, Computer Science, or a closely related discipline.
- Demonstrated expertise in algebraic and/or combinatorial coding theory.
- Proven track record of scientific research productivity.
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Ability to work effectively in an international research environment.

The College of Science seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability.

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