

Research Fellow (Coding Theory)
Nanyang Technological University

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Posted Jan. 16, 2025, set to expire May 18, 2025

Job Title	Research Fellow (Coding Theory)
Department	School of Physical and Mathematical Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jan. 16, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Mathematics/Applied Mathematics Computer/Information Sciences Sciences - General
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Coding-Theory-_R00019443
Apply By Email	
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 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

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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.

SPMS is looking for a candidate to join them as a Research Fellow.

Key Responsibilities:

- To conduct high quality research in coding theory.
- To assist the Principal Investigator (PI) with the writing of research papers.
- To assist the PI with the writing of research grant reports.
- To assist the PI in the supervision and mentoring of a small research team comprising post-graduate students and undergraduate students.

Job Requirements:

- Candidate must possess at least a PhD Degree in mathematics or computer science with strong publication track records. PhD candidates who are about to submit their thesis for examination or have submitted their thesis for defence are also welcome to apply.
- Proficiency in programming would be preferred.
- Post-doctoral research experience in related areas would be an advantage.
- Knowledge and research experience in algebraic coding theory and quantum error-correction

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would be essential.

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 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

School of Physical and Mathematical Sciences
Nanyang Technological University
Singapore