

Postdoctoral fellow - LDPC Codes for Quantum
Communications
University of Pretoria

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Posted Sep. 12, 2025, set to expire Jan. 12, 2026

Job Title	Postdoctoral fellow - LDPC Codes for Quantum Communications
Department	Electrical, Electronic and Computer Engineering https://www.up.ac.za/eece
Institution	University of Pretoria Pretoria, Gauteng, South Africa
Date Posted	Sep. 12, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Electrical and/or Electronics

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Job Description

A postdoctoral position is available in the SENTECH Chair in Broadband Wireless Multimedia Communication (BWMC: <https://www.up.ac.za/sentech-chair-in-broadband-wireless-multimedia-communication>) research group led by Prof. Sunil Maharaj at the University of Pretoria. The postdoctoral fellow is expected to pursue research relating to LDPC codes for quantum communications in the context of next-generation communications.

It is preferred if the candidate has prior experience in one or more of the following topics:

1. Error-Control Coding,
2. Information Theory,
3. Quantum Communications.

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The package for the postdoctoral position is R 350 000 (South African Rand) per annum (tax free) for a period of at least 2 years.

Applications: To apply for this postdoctoral position, email a cover letter, CV, academic transcripts and publications to Dr. Filip Paluncic (filip.paluncic@up.ac.za).

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Filip Paluncic
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