

The University of KwaZulu-Natal (UKZN) is committed to Employment Equity with the intention to promote representivity within the Institution. Preference will be given to applicants from the designated groups.

COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

POST-DOCTORAL FELLOW (1 POST)

(RE-ADVERTISEMENT)

**Discipline of Electrical, Electronic, and Computer Engineering, School of Engineering,
Howard College Campus, University of Kwazulu-Natal, Durban - 4001, South Africa.**

REF NO.: CAES/EECE/2024/KA-01

Founded in 1910 as the Natal University College in Pietermaritzburg, the University of Natal was granted independent university status in 1949 owing to its rapid growth in numbers, its wide range of courses, and its achievements in and opportunities for research. The distinctive Howard College building was opened in 1931. The University of KwaZulu-Natal (UKZN) is one of the largest, oldest, and most transformed universities in sub-Saharan Africa – a teaching and research-led university. The UKZN has an international reputation for academic excellence, outstanding research output, and African scholarship.

The Centre of Radio Access and Rural Communications Technologies (CRART) at UKZN is a training, research, consultancy and information resource Centre for the telecommunications in Southern Africa that conducts research on problems related to subscriber services, teletraffic aspects and access networks. Emphasis is placed on investigating new or alternative ways of providing telecommunications services either through legacy or contemporary networks. The center is involved in advancing or developing new communication technologies as applied in diverse fields including antennas and wave propagation. The successful candidate for this position will be involved in the investigation of 5G communication systems specially development and investigation of antennas and/or path loss models for 5G communications.

Duration and Salary:

The post-doctoral fellowship is for 12 months (extendable for one more year based upon the candidate's performance), worth R220 000 (two-hundred and twenty thousand rands) per annum.

Minimum Requirements:

- Doctoral degree (PhD) in Electronic Engineering/Communication Engineering or any related area should be completed within the **past five years**.
- An adequate number of publications in the relevant area of expertise.

Procedures and Dates:

The following information (combined into a single pdf document) must be included when applying for the position;

1. Covering letter,
2. Curriculum Vitae,
3. Project Proposal (related to the objective of this work i.e. antennas and/or path loss models for 5G communications),

4. Certified copy of applicant's doctoral degree certificate or PhD award letter.
5. Copy of ID/Passport

Applications should be addressed to Prof P Kumar and emailed to: kumarp@ukzn.ac.za (co-supervisor will be: Prof T Afullo).

The **subject line** must clearly indicate Ref. no.: **'CAES/EECE/2024/KA-01 Your Surname'**.

Applicants who do not meet the minimum requirements will not be considered. The closing date for receipt of applications is **4th August 2024**.

Only shortlisted candidates will be contacted/communicated.

It will be preferable if the successful applicant can begin work from **September 2024**.

Useful Links:

<https://scholar.google.com/citations?hl=en&user=CL6DQN4AAAAJ>

<https://scholar.google.com/citations?hl=en&user=Pf0PqnAAAAJ>

NOTE - The research group reserves the right not to make an appointment for this advert. Should you not receive a reply or update by the 15th September 2024, kindly consider that your application has not been successful.