

The University of KwaZulu–Natal (UKZN) is committed to Employment Equity with the intention to promote representivity within the Institution.

For the Lecturer position only, preference will be given to applicants from the African designated groups.

COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

**RESEARCHER: THEORETICAL QUANTUM PHYSICIST (SENIOR LECTURER/LECTURER)
THREE YEAR FIXED TERM APPOINTMENT
SCHOOL OF CHEMISTRY & PHYSICS
DURBAN/PIETERMARITZBURG CAMPUS**

REF NO.: CP24/2015

One of the focus areas of the South African Research Chair Initiative (SARChI) Chair in Quantum Information Processing and Communication is the theory of open quantum systems. To strengthen this focus area, we are seeking an additional researcher with expertise in modelling dissipation and decoherence within Markovian and non-Markovian approaches.

The incumbent will report to the SARChI Chair.

Minimum Requirements:

- PhD and postdoctoral experience (or similar research experience) in relevant field
- Publication record in the fields of open quantum systems and quantum information processing and communication
- Expertise in the theory of open quantum systems and the analytical solution of quantum master equations for applications in quantum information processing and communication.

This appointment will be made in line with the University Guidelines/benchmarks which are available on the University Vacancies website on <http://vacancies.ukzn.ac.za/Academic-Process-Proc-Guides.aspx>

Enquiries and details regarding the post, as well as requests for a job profile may be directed to Professor F Petruccione: 031 260 2770 or email: Petruccione@ukzn.ac.za

The total remuneration package offered includes benefits.

The closing date for receipt of applications is 16 October 2015.

**Applicants are required to complete the relevant application form and CV which is available on the Vacancies website at www.ukzn.ac.za. Completed forms and Curriculum Vitae may be sent to Recruitment-aes@ukzn.ac.za
Advert Reference Number MUST be clearly stated in the subject line.**