

The University of KwaZulu-Natal (UKZN) is committed to meeting the objectives of of Employment Equity to promote representivity within the Institution.

COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

**RESEARCH SCIENTIST
(FIVE YEAR FIXED TERM APPOINTMENT)
SCHOOL OF CHEMISTRY AND PHYSICS
WESTVILLE CAMPUS**

REF NO.: CP07/2017

The School of Chemistry and Physics and the National Institute for Theoretical Physics (NiTheP) invite candidates to apply for the post of Research Scientist to work in the field of the theory of open quantum systems. The School and NiTheP offer a vibrant educational and research environment in Theoretical Physics and have many well established national and international collaborative research links.

The incumbent is expected to have expertise in the mathematical physics of Markovian and non-Markovian processes. S/he will maintain and lead a vigorous research programme in Theoretical Physics in general and specifically in the Theory of Open Quantum Systems. S/he will be expected to teach at undergraduate and postgraduate level and supervise postgraduate students. The incumbent will be required to actively participate in NiTheP's capacity building programmes.

The incumbent will report to the Deputy-Director of NiTheP (KZN).

Minimum Requirements:

- A relevant Masters degree or approved equivalent qualification
- Evidence of research scholarship in Open Quantum Systems as appropriate for this level as evidenced by a publication in ISI/DHET or SAPSE-rated journal
- Experience in teaching/lecturing/research in at a tertiary institution
- Evidence of working with and/or supervision of MSc and/or PhD students

More information about the National Institute for Theoretical Physics (KZN), within which this post is based, is available at <http://www.nithep.ac.za/>. Enquiries and details regarding this post may be directed to the Line Manager for this post, Professor F. Petruccione, e-mail: petruccione@ukzn.ac.za.

The total remuneration package offered includes benefits.

The closing date for receipt of applications is 18 April 2017.

Applicants are required to complete the relevant application form 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.