Why New Zealand?

Fully Funded 3-year Marsden PhD Scholarship

A PhD scholarship in Pure Mathematics funded by the prestigious New Zealand Royal Society Marsden Fund is available within the Department of Mathematics at the University of Auckland.

The University of Auckland is ranked within the top 100 of the QS World University Rankings, making it New Zealand's highest ranked university. It is also the largest and most comprehensive, with a student population of 42,000 including 6,000 international students representing over 110 countries.

The University is located in the harbour city of Auckland, New Zealand's economic and cultural hub, with easy access to stunning beaches and rainforests. Auckland was ranked third out of 230 cities in the 2017 Mercer Quality of Living Survey.

Field of Study

We are looking for a high calibre student to participate in innovative research in pure mathematics or mathematical physics. Research topics include, but are not limited to, K-theory and index theory; generalised geometry; gauge theoretic moduli spaces; mathematical aspects of string dualities; equivariant cohomology; and vertex operator algebras.

Benefits

The scholarship consists of a $27,500 per annum student stipend (i.e. tax free living allowance) and funding to cover course fees for three years.

Eligibility

Applicants should have an Honours or Masters degree and satisfy the entry requirements for a Doctor of Philosophy degree at the University of Auckland. Qualified international students will be eligible for a tuition fee waiver.

A background in differential geometry, algebraic geometry or algebraic topology is desirable.

Application

Applications should be sent by e-mail to Dr Pedram Hekmati and include:

- a curriculum vitae,
- a copy of your academic transcript,
- name and contact details of a referee who is willing to comment on your capacity to undertake a PhD.

Position is available from 1 August 2018 and open until filled. Please contact Dr Hekmati if you have any queries regarding this position.

Contact

Dr Pedram Hekmati
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