



# PhD scholarships available in Mathematics

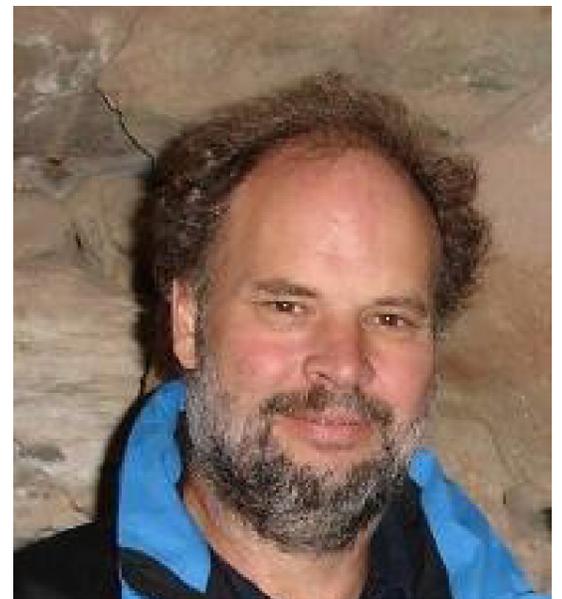
## The Inaugural Sir Vaughan F.R. Jones PhD Scholarship

This prestigious scholarship will fund the research in any area of mathematics of a PhD student supervised by a member of the Department of Mathematics. Selection is based purely on the record and research promise of the candidate. The Jones Scholarship offers an annual stipend of NZ\$25,000 (tax free), plus fees, for three years of PhD study.

New Zealand mathematician Vaughan Jones, KNZM FRS FRSNZ FAAAS, was awarded the Fields Medal in 1990. He is Distinguished Professor at both the University of Auckland and Vanderbilt University. He is best known for his work on knot (Jones) polynomials and von Neumann algebras.

Interested candidates are encouraged to contact members of the Department informally concerning possible research projects.

Full applications must be received by August 30, 2014.



## Other PhD scholarships

PhD scholarships are available for the following research projects:

### Group actions, structure and representations

*Supervisors: Jianbei An, Marston Conder and Eamonn O'Brien*

The project focuses on theoretical and computational aspects of finite and infinite group theory and representation theory; funded by a Marsden Fund grant.

### New directions at the geometry-analysis frontier

*Supervisor: Rod Gover*

This project focuses on the geometry and analysis of continuously changing structures; funded by a Marsden Fund grant.

### The geometry of chaos near heteroclinic cycles

*Supervisors: Bernd Krauskopf and Hinke Osinga*

This project is about new types of chaotic dynamics and how they arise; funded by a University of Auckland Science Faculty Scholarship.

### Construction and analysis of a multiscale model of saliva secretion

*Supervisor: James Sneyd*

This project is about the study of calcium oscillations and waves in a multiscale of the parotid gland; funded by a grant from the NIH; two scholarships are available.

These research projects are each supported by an annual stipend of NZ\$25,000 (tax free), plus fees, for three years. Informal enquiries should be addressed to the supervisors of the projects. Full applications should be received by June 30, 2014.

For general information about PhD scholarships and the application process, visit [www.math.auckland.ac.nz/future-postgraduates](http://www.math.auckland.ac.nz/future-postgraduates) or email [phdadvice@math.auckland.ac.nz](mailto:phdadvice@math.auckland.ac.nz).