

New Research Opportunity – Mathematics of Complexity

Research Fellow (Continuing) - Mathematics of Complexity

RMIT University

Reference Number: 541397

Closing date: 1 May 2009

- \$68,039 to \$80,798 + 17% Superannuation
- CBD Location
- Opportunity to play a key role in forging a new direction in research

RMIT is a global university of technology based in Melbourne, with a commitment to and reputation for high quality professional and vocational education and research engaged with industry and community.

The School of Mathematical and Geospatial Sciences, operating within the College of Science, Engineering and Health offers a range of undergraduate and postgraduate science degrees, specialising in: Applied Mathematics, Statistics, Operations Research, Information Security, Optimisation and Control, Geomatics, Surveying and Multimedia Cartography, Property/land development and Satellite image analysis.

Jointly funded through the Platform Technologies Research Institute, the first three years of this position will be research-intensive, where you will have the unique opportunity to link projects through the theoretical base of the mathematics of complexity. Research will be undertaken within the *Security and Safety Program* of The Institute in areas related to the mathematics of complexity, particularly in information network dynamics and/or information extraction from complex data sets.

Support an emerging, high-quality and productivity-driven research network across RMIT and with external local, national and global partners:

- Generate publications in high-quality journals
- Meet existing grant commitments and initiate new fundamental research through the preparation of new project grant proposals
- Deliver courses in mathematical sciences for both undergraduate and postgraduate levels
- Liaise with industry and collaborate with relevant bodies

With a PhD in a relevant field, you are a proven researcher who has grant successes in an area relevant to the mathematics of complexity. With a strong mathematics background and track record of high quality publications, you are passionate about the discovery of large scale and complex network properties. Ideally, you may have specialised in network dynamics or mathematics, however you may also have focussed in areas such as: engineering networks, mathematical biology, computer science or statistics– whatever your passion, if you possess a critical level of mathematical competency we want to hear from you!

At the conclusion of 3 years, subject to satisfactory outcomes of staff performance appraisals, a continuing academic appointment in the School of Mathematical and Geospatial Sciences will be confirmed. For specific information on this position please contact Professor Kathy Horadam on kathy.horadam@rmit.edu.au or +61 3 9925 2752. For further information, or to apply, please see the RMIT website <http://yourcareer.rmit.edu.au/jobSearch.asp>. Applications close 1st May 2009.