

Position Description

Research only - Postdoctoral Research Associate

Position No:	New
Department:	Mathematics and Statistics
School:	School of Engineering and Mathematical Sciences
Campus/Location:	Bendigo
Classification:	Level A – Research Officer
Employment Type:	Fixed Term, Full-time
Position Supervisor:	Senior Lecturer, Mathematics or Statistics
Number:	50136962
Other Benefits:	http://www.latrobe.edu.au/jobs/working/benefits

Further information about:

La Trobe University - <http://www.latrobe.edu.au/about>

For enquiries only contact:

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Position Description

Level A - Postdoctoral Research Associate

A Level A research only academic is expected to contribute towards the research effort of the institution and to develop their research expertise through the pursuit of defined projects relevant to the particular field of research.

Position Context

The Department of Mathematics and Statistics La Trobe University (Bendigo Campus), welcomes applications for a Postdoctoral Research Associate (Level A) position to conduct research on an Australian Research Council Discovery Project (Measure theoretic frameworks for limsup sets). The successful candidate will report to Dr Mumtaz Hussain (Chief Investigator) and Dr David Simmons (Partner Investigator).

The aim of the project is to develop new powerful measure theoretic techniques to be used in establishing some indispensable results in analytical number theory (Diophantine approximation) and dynamical systems. The plan is to construct new techniques and to use them in situations where existing techniques are not applicable. The successful candidate will be expected to conduct research as part of a collaborative research team and guide undergraduate and graduate research students (if needed). The successful candidate will be expected to write research papers and present research findings at national/international conferences and seminars at Australian universities.

Duties at this level may include:

- Conduct and publish, or otherwise disseminate high quality and/or high impact research/scholarly activities under limited supervision either independently or as part of a team.
- Develop a limited amount of research related material for teaching or other purposes with appropriate guidance from more senior staff.
- Assist in obtaining research funding from external sources.
- Participate in professional activities including presentations at conferences and seminars in field of expertise.
- Provide advice within the field of the employee's research to Honours and postgraduate students.
- Attendance at meetings associated with research or the work of the unit to which the research is connected and/or at Departmental or School meetings and/or membership of a limited number of committees.
- Acquire and interpret research data and results. Run analyses and tests using specified and agreed techniques and models. Contribute to the development of techniques, models and methods.
- Contribute to and uphold a robust and ambitious research culture.
- Attend Open Day, graduations, and other student events as required.
- Provide service to the profession and/or discipline through professional association memberships.
- Undertake limited administrative functions primarily connected with the area of research.
- Undertake other duties commensurate with the classification and scope of the position as required by the Head of Department or Head of School.

Key Selection Criteria (examples to choose from depending on nature of position)

- A PhD (or near completion) in Number Theory or Dynamical Systems or related research area.
- Evidence of experience in research and evaluation and the ability to work effectively under limited supervision or independently.
- A record of publications, conference papers and/or reports, or professional or technical contributions which provide evidence of research potential.
- Effective oral and written communication skills, including the ability to interact effectively with people from a diverse range of backgrounds.
- Demonstrated ability to work as a member of a team in a cooperative and collegial manner.
- Demonstrated high level of self-motivation and personal management skills.

Other relevant information:

- The position description is indicative of the initial expectation of the role and subject to changes to University goals and priorities, activities or focus of the job.

Essential Compliance Requirements

To hold this La Trobe University position the occupant must:

- hold, or be willing to undertake and pass, a Victorian Working With Children Check; AND
- take personal accountability to comply with all University policies, procedures and legislative or regulatory obligations; including but not limited to TEQSA and the Higher Education Threshold Standards.

Position Flexibility

La Trobe University is committed to providing a diverse, inclusive and respectful working environment for all staff. We offer flexible work arrangements that can assist you in balancing your work and other responsibilities.

La Trobe Cultural Qualities

Our cultural qualities underpin everything we do. As we work towards realising the strategic goals of the University we strive to work in a way which is aligned to our four cultural qualities:

- *We are **Connected**:* We connect to the world outside — the students and communities we serve, both locally and globally.
- *We are **Innovative**:* We tackle the big issues of our time to transform the lives of our students and society.
- *We are **Accountable**:* We strive for excellence in everything we do. We hold each other and ourselves to account, and work to the highest standard.
- *We **Care**:* We care about what we do and why we do it. We believe in the power of education and research to transform lives and global society. We care about being the difference in the lives of our students and communities.

For Human Resource Use Only

Initials: Date: