

Melbourne International Engagement Awards (MIEA)

Seeking Expressions of Interest

墨尔本大学数学与统计系博士奖学金

As part of an agreement between the University of Melbourne and Peking University in 2015, the University of Melbourne has allocated **two** Melbourne International Engagement Awards (MIEA) to fund Peking University students to pursue PhD studies in any branch of Mathematics and Statistics at the University of Melbourne commencing in 2018. MIEAs provide full fee remissions and annual living stipends equivalent to the Australian Postgraduate Award rate (worth approximately AUD\$30,000 per year) for up to 3.5 years. MIEAs also provide single cover health insurance and a relocation allowance of up to AUD\$3,000. The living stipend is pro-rated according to enrolment commencement date in the first year.

Established in 1853, the University of Melbourne (<http://www.unimelb.edu.au>) is consistently ranked amongst the leading universities in the world, with the international Times Higher Education World University Rankings placing it at number 1 in Australia and number 33 in the world (Times Higher Education World University Rankings, 2017).

In 2017 the QS World University Ranking by Subject placed the University of Melbourne's Mathematics at number 38 and its Statistics and Operations Research at number 30 in the world (<http://www.topuniversities.com/subject-rankings/2017>). Research Groups of the School of Mathematics and Statistics, the University of Melbourne can be found at <http://ms.unimelb.edu.au/research/groups>, and a list of possible supervisors in the school can be found at <http://ms.unimelb.edu.au/study/supervisors-list>.

Information about the University of Melbourne's English language requirements can be found under the heading "Faculty of Science (Melbourne Graduate School of Science)" at the following link: <https://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements/graduate-toefl-ielts>.

If you do not meet the English language requirement, a conditional offer may be made subject to meeting the requirement in the foreseeable future.

To be eligible for the MIEA scholarship, a recipient must

- be an MSc student (or outstanding final year BSc student) in the School of Mathematical Sciences at Peking University,
- have not completed a PhD, and
- be expected to commence his/her PhD at the University of Melbourne in 2018.

Those who are eligible and are interested in pursuing research are welcome to express their interest to Dr Xiang Fu and Dr Wei Lin.

Deadline: Wednesday 28 February 2018

Contacts: Dr Xiang Fu (傅翔), fuxiang@math.pku.edu.cn
Dr Wei Lin (林伟), weilin@math.pku.edu.cn

Here are two testimonies by two alumni of Peking University.

Testimony 1

我是郑超, 本科毕业于北京大学数学科学学院, 现在澳大利亚墨尔本大学数学与统计学院攻读统计学博士。非常高兴能分享我在这里学习和生活的一些体验。希望能为大家提供一些帮助。

学术方面:

1. 学院在澳洲和世界排名均居前列, 在很多方向都有较强的科研力量。
2. 这里的博士项目不同于北美, 通常3.5–4年完成。无需修读1–2年课程, 而是直接由导师负责, 从入学即开始科研。所以适合拥有一定科研经验和基础的同学。对于学生来说, 这样的学制相比北美有时间优势。
3. 系里的老师都较为亲和, 不存在一个老师同时指导很多博士的情况, 博士生与导师关系一般都非常密切。导师会为学生的研究包括生活提供非常细致的指导和帮助。
4. 墨尔本大学提供的奖学金非常优厚, 通常为大约26,000澳元每年, 足够涵盖生活开支。且奖学金相当于北美的 fellowship, 没有额外的助教和助研要求, 可以让学生更加专注自己的科研。助教可以根据自己的需求申请, 会有额外的助教工资。
5. 系里和学校的资源较为丰富, 跨学科之间的交流和合作项目有很多。学校和学院对于学生的各类需求都提供很多帮助, 如对于参加学术会议和交流, 有 Travel Scholarship; 对于有志去业界发展的博士生, 有 industry internship 的机会。

生活方面: 墨尔本城市本身非常宜居, 环境优雅, 人文气息浓厚, 景点名胜繁多。墨尔本大学位于市中心, 步行即可到达墨尔本CBD, 生活非常便捷。且该城市华人华侨众多, 基本无需任何适应过程即可在这里开始生活学习。

I am Chao Zheng, a current PhD student in Statistics at the University of Melbourne. I completed my undergraduate degree (2009–2013) at the School of Mathematical Sciences, Peking University. It is my pleasure to share some of my experiences and I hope this will be helpful for you.

Academic:

1. The School of Mathematics and Statistics at the University of Melbourne is one of the top ranked math departments in Australia and around the world, and have a lot of active researchers in many fields of mathematical sciences.
2. The PhD program here typically takes about 3.5-4 years. Unlike US institutes, no PhD-level coursework is provided. A student will directly start research after commencement under the supervision of his/her supervisor. Thus, you will usually have a shorter PhD life comparing to U.S students.
3. The faculty members here are nice and approachable. Typically they are not likely to supervise too many students at the same time. They therefore have enough time to communicate in detail with individual students and provide guidance for your research.
4. The scholarships are very good (A\$26,000 per year), which should be more than enough to cover your costs. This allows PhD students to concentrate on their own research project. Teaching opportunities are provided upon request, with an additional salary.
5. There are many other forms of resources and support provided by the school and the university, such as Travel Scholarships for those trying to attend overseas conferences and Industry Internships for those interested in finding an industry job after graduation.

Living:

Melbourne is an attractive place, with a beautiful environment and diverse cultures (world's most livable city). The University of Melbourne is located in the city of Melbourne, within a walking distance from the CBD. The city is very convenient and has a large population of Chinese people, which can help you feel comfortable and get used to living here.

Testimony 2

我是方腾。作为联合培养博士研究生在墨尔本大学数学与统计系学习的两年对我来说是一段很棒、很难忘的经历。这里的老师同学都很友好，向他们咨询问题的时候他们都会热心解答。这里的学习和研究氛围很浓，图书馆资源很丰富，查找借阅也很方便，很适合做研究。在研究过程中，我在墨尔本大学的导师给了我很多重要的建议和关键的帮助，使我能够完成研究工作。我所在的离散数学和代数组合研究组每学期都有讨论班。不同学期的讨论班的主题不一样，有的学期是关于代数图论的，有的是关于组合优化的，还有关于其他离散结构和算法的。通过参加讨论班，我接触到不同的研究领域和方向，了解到同行们关注的问题，还学到了新知识，为研究工作打开了思路。墨尔本城市环境也很好：建筑很漂亮

亮，公园很多，生活很方便。总之，我感觉在墨尔本学习的两年收获非常大。非常感谢墨尔本大学、北京大学和国家留学基金委提供这样的出国学习的机会。

I am Teng Fang. It was a great and memorable experience that I studied in the School of Mathematics and Statistics at the University of Melbourne as a joint Ph.D. student for two years. Staff members and students in the School are very friendly and warm to help. The research environment in the School is great, and it is convenient to look for papers or other materials through the library. I was co-supervised by a supervisor at the University of Melbourne while I was in Melbourne. Without his many important suggestions and essential help during my research I cannot complete my work. I was in the research group of discrete mathematics and algebraic combinatorics. Each semester we have a reading group focusing on a certain topic. The topics discussed include algebraic graph theory, combinatorial optimization and other discrete structures and algorithms. Thanks to these reading groups I got to know what problems researchers in related areas are interested in, and I also learnt some new knowledge which is of great help to my research. The city of Melbourne is also great: there are many excellent buildings and beautiful parks. Near the central business area there are many shopping malls and shops which make life convenient. I would like to thank the University of Melbourne, Peking University and the China Scholarship Council for providing me with this excellent opportunity to study abroad.