

Prestigious University of Melbourne Scholarships-dedicated to IIT Kanpur- 2016

Call for applications for PhD – Apply by the 18th December 2015

Melbourne India Postgraduate Program (MIPP) was established in 2014 for a select group of high performing PhD students

Please see the current PhD students and their PhD topics at

<http://mipp.unimelb.edu.au/>)

We welcome **students with Bachelors degree or Master** degree from IITK to apply. University of Melbourne offers the **direct PhD option to eligible students** with Bachelor degrees, for example BTech or BSc completed in 4 or more years of study with a research project in their degree. Some projects may indicate that they prefer students with Masters or Bachelors degrees. Please forward your applications to **oir@iitk.ac.in**, International Relations office including full CV, copies of academic transcripts and a covering letter that clearly indicates

- 1) Your expected GPA from an IIT Kanpur degree (BTech, MTech, MSc. Etc) (must be above 8.5/10). If your first degree is not from IIT Kanpur, please provide all the details and marks for the first degree as well.
- 2) PhD topic: a) You may choose a topic from the list of projects provided at <http://mipp.unimelb.edu.au/>, in which case you need to communicate with the nominated Melbourne supervisor directly and seek his/her approval b) or communicate with saman@unimelb.edu.au to organise an alternative project/supervisor.
- 3) Evidence of communication with the potential Melbourne supervisor (email attached is fine) as described in 2)
- 4) Expected starting date of PhD at Melbourne (must be within 2016) and expected completion date of the IIT Kanpur degree.

A. Eligibility for University of Melbourne's MIPP PhD scholarships 2016:

For students with a Bachelor or Master degree completed at IIT Kanpur only

Student must have a GPA of 8.5/10 or better from a degree conducted at IIT Kanpur.

The applicant must be able to start the PhD in 2016 (i.e. Degree at IITK completed, graduated and arrived in Melbourne).

B. Value and the duration of the scholarship:

A tax-free stipend of AUD 25,600 to cover living expenses and the full tuition waiver of AUD 34,000= AUD 59,600 per annum.

Scholarship is initially for 3 years extendible for further 6 months. The PhD degree is expected to be completed within 3.5 years.

Paid teaching assistantships (tutoring) may be available in some Departments and you will be paid approx. AUD 110 per hour in addition to the scholarship. But you are not required to take teaching or any research assistantship as the scholarships fully cover your expenses.

As a part of Melbourne India Postgraduate Program (MIPP), which is the home for a select group of high performing PhD students, you will be able to apply for travel funds to visit the co-supervisor at IITK during your PhD studies.

C. Possibility of conducting a part of the study at IIT Kanpur:

Co-supervision from IIT-Kanpur academic colleagues is essential. Supervisors and students can agree on the time they spend at IIT Kanpur. Scholarship amount will not be changed for the period of time spent at IIT Kanpur.

The above scholarship and the offer of PhD are for the PhD study conducted at University of Melbourne with possible visit to your home IIT/IISc. **PhD will be awarded by the University of Melbourne.**

D. Two more options to complete PhD in collaboration with University of Melbourne:

The jointly awarded PhD (**JPhD**) and IITK PhD (**IITPhD**) in collaboration with University of Melbourne

Please note that the same eligibility criteria described in **A)** **apply** and the value and the duration of the **scholarship described in B) does not apply** for these options. These two programs are also open to PhD students already enrolled at IIT Kanpur at early stages of their PhDs if they meet the eligibility criteria described in A.

- 1) **JPhD: Conducting your PhD at both University of Melbourne (1-2 years) and at IIT Kanpur (2-3 years) with the outcome of a jointly awarded PhD degree, i.e. a single PhD degree jointly offered by both institutions.** Each Institute/University will provide scholarship for your stay at the corresponding rate. For example, University of Melbourne scholarship at the same rate per annum as described in B) is offered for the duration of the stay at Melbourne.
- 2) **IITPhD: Conducting your PhD at IIT Kanpur with a University of Melbourne Professor as a Co-supervisor.** You need to apply and receive the place for PhD and the scholarship from IIT Kanpur. You can apply for travel funds from MIPP to visit your co-supervisor at Melbourne for a short duration.

E. Standing of the University of Melbourne:

Australia's highest rank University and 33rd in the world ranking for Engineering and IT (THES 2014/15)

F. University of Melbourne Contacts

Engineering and IT/Computer Science and any other discipline except Sciences:

Prof Saman Halgamuge, Director MIPP (saman@unimelb.edu.au).

Sciences:

Prof Muthupandian Ashokkumar, Deputy Director MIPP (masho@unimelb.edu.au).

G. Sample Projects

Supervisors associated with the projects advertised on MIPP web link can be contacted directly. If you have a specific research area of interest not covered by those topics, please contact above email address to seek a new supervisor/topic.

Some of the potential University of Melbourne supervisors offering projects and their email addresses are:

From Engineering Faculty (Melbourne School of Engineering)

Chemical Engineering:

Prof Sandra Kentish sandraek@unimelb.edu.au

Prof Paul Webley paul.webley@unimelb.edu.au

Prof Frank Caruso (fcaruso@unimelb.edu.au)

Biomedical Engineering:

Dr Vijay Rajagopal (vijay.rajagopal@unimelb.edu.au)

Prof David Grayden grayden@unimelb.edu.au

Dr Lihai Zhang (lihzhang@unimelb.edu.au)

Prof Steve Petrou steven.petrou@florey.edu.au

Dr David Ackland (dackland@unimelb.edu.au)

Prof Saman Halgamuge (saman@unimelb.edu.au)

Computer Science and Information Systems:

Prof Tim Baldwin tbaldwin@unimelb.edu.au

Prof Rajkumar Buyya (rbuyya@unimelb.edu.au)

Dr Udaya Parampalli (udaya@unimelb.edu.au)
Prof Michael Kirley mkirley@unimelb.edu.au

Mechanical Engineering:

Prof Richard Sandberg (richard.sandberg@unimelb.edu.au)
Dr Daniel Chung (daniel.chung@unimelb.edu.au)
Prof Chris Manzie (manziec@unimelb.edu.au)
Dr Jimmy Philip (jimmyp@unimelb.edu.au)
Dr Robert Lindsay Gordon robert.gordon@unimelb.edu.au
Prof Saman Halgamuge (saman@unimelb.edu.au)

Electrical Engineering:

Dr Vijay Rajagopal (vijay.rajagopal@unimelb.edu.au)
Prof Thas Nirmalathas (nirmalat@unimelb.edu.au)

Geomatics and Civil Engineering:

Prof Stephan Winter (winter@unimelb.edu.au)
Prof Allison Kealy a.kealy@unimelb.edu.au

From Faculty of Science:

If you are interested in doing a project in Faculty of Science of The University of Melbourne, please see <http://science.unimelb.edu.au/research> and **contact Prof Muthupandian Ashokkumar**, Deputy Director MIPP (masho@unimelb.edu.au).

Sample project topics are available at <http://mipp.unimelb.edu.au/>.

H. Futher Information

What do you do if you wish to conduct your PhD with a supervisor at another Faculty/School other than Faculty of Science or School of Engineering and IT? For example, **Medicine, Business, Architecture, Agriculture, Veterinary Sciences, Governance, Law, Humanities.**

This may be possible, so please contact saman@unimelb.edu.au if you fulfill the eligibility requirement for the MIPP scholarships described in A).