



The Robert Bartnik Visiting Fellowships

Purpose: Visiting position for researchers within 14 years of having completed a PhD, to enable them to visit Monash University for a period of at least three weeks, hosted by one or two members of the School of Mathematical Sciences. The Robert Bartnik Fellows would be academic (faculty) staff of other institutions (including postdocs) who wish to establish and/or enhance ongoing research collaborations.

Costs: Up to AU\$20,000 per fellowship to cover travel, visa, accommodation, and local living expenses. Accommodation and living allowance have a combined sub-limit of up to AU\$2000 per week.

Implementation: Awards are conditional on the visitor obtaining an appropriate business visa. It is expected that the visitor will interact with researchers on current and planned research projects and give seminars to staff and postgraduate students. Awardees are expected to spend at least three weeks at Monash University.

Selection: Applications should be made by a single electronic submission via email to Angelika.Nikolov-Arvela@monash.edu and should include:

- **A letter of support** (up to one page in length) from the proposed host in the School of Mathematical Sciences, addressed to the selection committee. The goal of the letter is to endorse the application and briefly comment on the strength of the applicant relative to opportunity and discipline, and on how the visit will be of benefit to the research program of the host(s) or the School. The letter should also contain a brief budget estimate.
- **A research proposal** (up to one page in length), which should be written at a level accessible to a broad mathematical audience. This may be distributed to the School of Mathematical Sciences in advance of the visit.
- **CV** (including qualifications, appointments, awards and publications).

There are two deadlines for applications each year: 31 March 2017 and 30 September 2017.

Applications will be assessed by a selection panel. The following criteria may be considered by the panel:

- outstanding early or mid-career researcher within 14 years of having completed a PhD,
- acceptable proposed research activity and interaction,
- acceptable time for proposed visit.



MONASH University

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Monash University is a member of Australia's Group of Eight research intensive universities. The School of Mathematical Sciences is one of the largest of the six Schools in the Faculty of Science. The research in the Faculty of Science is carried out by world-class researchers. Their work spans the theoretical to the applied, contributes to new knowledge and technologies, and challenges how we interact with the world.

The School of Mathematical Sciences broadly groups its research program into three main areas: Applied Mathematics, Pure Mathematics and Stochastic Processes. We also have close working collaborations with other Schools/Departments such as Physics and Astronomy, Earth, Atmosphere and Environment and Computer Science; as well as other faculties such as Business and Economics, Medicine, IT and Engineering.



These Fellowships are named after Professor Robert Bartnik.

Professor Bartnik is renowned internationally for the application of geometric analysis to mathematical problems arising in Einstein's theory of general relativity. His work is characterised by his ability to uncover new and anticipated phenomena in space-time geometry, often employing sophisticated tools from linear and nonlinear partial differential equations as well as elaborate numerical computations. He has contributed greatly to our understanding of the properties of the Einstein equations and gravitation.

