THE UNIVERSITY OF SYDNEY

Mathematical Research Institute

NB: Because of the restrictions on incoming travel to Australia, the SMRI International Visitor Program is currently open only to visitors travelling from New Zealand. The terms and conditions may change when more general travel becomes possible.

International Visitor Program – New Zealand Stream
Terms and Conditions
Version of June 2021

Application deadline: for Aus or NZ citizens or Aus permanent residents, 2-6 months before the start of the proposed visit; for other NZ residents, 4-6 months before the start of the proposed visit.

Applications for visits not meeting the following conditions may be accepted in special circumstances with prior arrangement. In cases where an arranged visit cannot go ahead as planned because of disruptions to international travel or other unexpected factors, it is generally possible to reschedule the visit for a later period subject to consultation. Please direct questions about such issues, and the other conditions below, to the Institute's Executive Director, Professor Anthony Henderson, smri.exec@sydney.edu.au .

(1) At the time of application, applicants must hold a PhD or equivalent degree, and must be employed by a university, institute, laboratory or other similar organisation located in New Zealand. If the application is successful, their employer would be expected to approve their research visit to Australia and their entering into a research affiliation with The University of Sydney for the period of that research visit. Note that International Visitor Program funding (described below) does not include any salary.
(2) Applicants should have an established program of research in the mathematical sciences (ANZSRC Division 49) and the potential to collaborate with Australia-based researchers in these areas.
(3) Applicants should propose a research visit to Australia, of at least 2 weeks' duration (for Australian and New Zealand citizens and Australian permanent residents) or at least 1 month's duration (for other New Zealand residents), of which at least 2 weeks are to be spent visiting SMRI at The University of Sydney. The visit should commence at least 2 months after the time of application (for Australian and New Zealand citizens and Australian permanent residents) or at least 4 months after the time of application (for other New

Zealand residents, who would need to obtain a suitable Australian visa before travel), and at most 6 months after the time of application in either case.
(4) A group of at most 3 applicants who propose to visit Australia at the same time in order to collaborate on a research project may submit a single joint application. In this case each applicant must individually satisfy the above eligibility conditions.
(5) In addition to their proposed research project, applicants are invited to propose additional research-related activities, such as seminars or workshop presentations which they could give during their visit to Australia, or a short workshop which they could organize during their visit to SMRI, with the assistance of SMRI staff. Such activities should be designed so as to be accessible, at least in part, to an online audience.
(6) Applicants must identify, at each Australian university at which they propose to spend at least 2 weeks in total (including The University of Sydney), an academic staff member there who has agreed to be the host of that part of the visit. If the visit includes at least 2 weeks spent at the mathematical research institute MATRIX, an Australian organiser of the MATRIX research program to which the applicant has been invited should be designated as the host of that part of the visit. Hosts will be contacted to confirm their support for the visit, including any potential financial contribution, and their comments will be taken into account in assessing the benefit of the proposed visit. The location at which the applicant proposes to spend the most time will be deemed the primary location of the visit, and the comments of the primary host will be given particular weight. Some funding is reserved for visits where the primary host is a staff member of the School of Mathematics and Statistics at The University of Sydney.
(7) Applicants may nominate an academic referee who is not among the hosts of the proposed visit and who is willing to be contacted by the Executive Director for their confidential comments on the applicant's research track record, if requested, in the month following the application. Members of the Scientific Advisory Committee of SMRI are eligible to act as referees, in accordance with the committee's policy on conflicts of interest, and provided they are not among the hosts of the proposed visit.

Successful applications will be selected by the SMRI Scientific Advisory Committee, as named on the website, and other expert colleagues as required. The selection criteria are:

- Applicant's research track record, assessed relative to opportunity (taking into account time since PhD and any research career interruptions).
- Benefits of the proposed visit, including any associated seminars or workshops, for Australian research in the mathematical sciences.
- Considerations of diversity, equity and inclusion in relation to, for example, field of research within the mathematical sciences, gender of applicant and host(s), and number of years post PhD of applicant and host(s).

Applications from female and gender-diverse researchers, and from researchers belonging to other groups which are underrepresented in the mathematical sciences, are particularly encouraged.

Successful applicants who are not Australian or New Zealand citizens or Australian permanent residents will be assisted by University of Sydney staff in their application for an Australian visa suitable for their research activities, which is a prerequisite of the International Visitor Program.

Successful applicants may receive funding of up to A$1000 per week, up to a maximum of A$18,000, to assist with accommodation and other local expenses during their visit. In addition, they may obtain reimbursement of one return economy airfare or equivalent amount up to a maximum of A$1000, and one visa application fee if appropriate. If required, they can be assisted by SMRI staff in locating suitable accommodation for their stay in Sydney, as well as childcare and school options for those travelling with children. Note that all benefits depend on a signed agreement with The University of Sydney, identity verification, and the presentation of receipts in the case of airfare or visa fee reimbursement.

By submitting an application to the International Visitor Program, you consent that the information may be shared with SMRI staff and Scientific Advisory Committee members as well as with the nominated host(s) and academic referees, if necessary. This information will not be used for any purpose other than the selection of successful applicants and the compiling of anonymised reports on the selection process. A list of successful applicants, with the dates and other details of their visits, will be posted on the Institute's website.

To apply, please email smri.exec@sydney.edu.au before the relevant deadline with the following information and PDF attachments, for each applicant involved:

- Personal details: full name as used professionally, home (residential) address, telephone number, gender, citizenship and visa status, Aboriginal or Torres Strait Islander status, disabilities requiring work-related adjustment (if any).
- Primary six-digit Field of Research code in the ANZSRC 2020 classification (see below) and verbal summary of areas of research interest and expertise (comma-separated list, max 25 words).
- Name and email address of academic referee (optional).
- [Attached as a single PDF file] Up-to-date CV including current employment, date of PhD completion, details of any research career interruptions, and full publication list.
- [Attached as a single PDF file] 1–2 page outline of a proposed research visit to Australia meeting the above conditions, including proposed arrival and departure dates, proposed dates spent at each location, name and email address of nominated hosts, some details of the research project(s) you will work on and any current or potential collaborators, any associated research activities, and any other confirmed or potential sources of funding for the visit.
- [Attached as a single JPEG or PDF file] Passport ID page.
- [For current Australian visa holders only] Evidence of existing Australian visa.

ANZSRC 2020 – Division 49 Mathematical Sciences

Applied mathematics:
490101 Approximation theory and asymptotic methods
490102 Biological mathematics
490103 Calculus of variations, mathematical aspects of systems theory and control theory
490104 Complex systems
490105 Dynamical systems in applications
490106 Financial mathematics
490107 Mathematical methods and special functions
490108 Operations research
490109 Theoretical and applied mechanics
490199 Applied mathematics not elsewhere classified

Mathematical physics:
490201 Algebraic structures in mathematical physics
490202 Integrable systems (classical and quantum)
490203 Mathematical aspects of classical mechanics, quantum mechanics and quantum information theory
490204 Mathematical aspects of general relativity
490205 Mathematical aspects of quantum and conformal field theory, quantum gravity and string theory
490206 Statistical mechanics, physical combinatorics and mathematical aspects of condensed matter
490299 Mathematical physics not elsewhere classified

Numerical and computational mathematics:
490301 Experimental mathematics
490302 Numerical analysis
490303 Numerical solution of differential and integral equations
490304 Optimisation
490399 Numerical and computational mathematics not elsewhere classified

Pure mathematics:
490401 Algebra and number theory
490402 Algebraic and differential geometry
490403 Category theory, K theory, homological algebra
490404 Combinatorics and discrete mathematics (excl. physical combinatorics)
490405 Group theory and generalisations
490406 Lie groups, harmonic and Fourier analysis
490407 Mathematical logic, set theory, lattices and universal algebra
490408 Operator algebras and functional analysis
490409 Ordinary differential equations, difference equations and dynamical systems
490410 Partial differential equations
490411 Real and complex functions (incl. several variables)

490412 Topology
490499 Pure mathematics not elsewhere classified

Statistics:
490501 Applied statistics
490502 Biostatistics
490503 Computational statistics
490504 Forensic evaluation, inference and statistics
490505 Large and complex data theory
490506 Probability theory
490507 Spatial statistics
490508 Statistical data science
490509 Statistical theory
490510 Stochastic analysis and modelling
490511 Time series and spatial modelling
490599 Statistics not elsewhere classified

Other mathematical sciences:
499999 Other mathematical sciences not elsewhere classified