



AIMS

African Institute for
Mathematical Sciences
RESEARCH

AIMS MASTERS BY RESEARCH PROGRAM

Call for Applications

The African Institute for Mathematical Sciences - Research (AIMS Research) is pleased to invite prospective postgraduate students who hold at least a Bachelor degree in any mathematical science discipline to apply for one of sixteen MSc bursaries available through the AIMS Masters by Research Program (ARMSc). Candidates can undertake a one year or a two year MSc by research which should culminate in a full Master's degree.

Successful candidates will each benefit from financial support of up to CAD 10,500 per annum for a maximum duration of two years. They will be based at one of the seven existing AIMS Research Centres, including Quantum Leap Africa. Beneficiaries may be registered in any recognized institution of higher learning located in the same country as the host AIMS Research Centre. Funding will be provided for students and their supervisors to attend one research school that will take place at AIMS Rwanda.

Scope of the research to be undertaken

The ARMSc bursaries will be provided for projects on any topic that is relevant to the understanding, modelling, and/or response to climate change. Projects must have a substantial quantitative content. The ideal project will combine theory with data, and will have one or more practitioners as collaborators. However, exclusively theoretical projects may also qualify for funding.

Eligibility

- ❖ Applicants can be from any country.
- ❖ Applicants must hold at least a Bachelor degree (or a recognized equivalent) in any field related to mathematical sciences before the start date of this position.
- ❖ Applicants should be interested in undertaking research within the climate change sciences and its related areas.
- ❖ Knowledge/interest in mathematical modelling would be an advantage.
- ❖ At least one of the student's supervisors should hold an affiliation with AIMS.
- ❖ Applicants must be open-minded, and must be willing to conduct their MSc research at their preferred AIMS Research Centre, or a designated partner institution in the same host country.

Financial Information

The AIMS Masters by Research project can be supported financially for at most two years with a maximum total cost to AIMS of **CAD 10,500** per annum. The cost includes a return flight ticket from



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the candidate's home/institution to the AIMS Research Centre, tuition (if applicable), visa application, accommodation, living support, and health insurance.

How to Apply

Applications should be submitted using the [online application form](#), and should contain the following supporting documents:

- ❖ a completed [personal details form](#),
- ❖ a completed [research proposal form](#),
- ❖ a letter of motivation which outlines why you should be offered this position,
- ❖ most recent transcripts and attestation, and
- ❖ a current CV.

Your supporting documents should be ready for submission before you complete the online application form. Supporting documents should be saved as pdfs in the format: "name of the researchprogram_type of_document_AIMScentity/centre_monthyear_applicant's name-surname". For instance, the personal details form should be saved as "ARMSc_personaldetails_AIMSRwanda_Dec2018_SarahJake".

Two academic referees from tertiary institutions should email confidential letters of support on your behalf to armsc@nexteinstein.org using the subject line:

ARMSc_supportletter_AIMScentity/centre_month/year_applicant's name-surname' e.g. 'ARMSc_AIMSRwanda_Jun2018_JohnJake'. It is your responsibility to ensure that these letters of support are sent and received. Ensure to also download and send the '[Instructions for Referee](#)' document and the above email address to your respective referees.

Deadline

The call for applications will remain open until the required number of research MSc students are recruited. Only complete applications with required documents will be considered.

Selection and Award

Applications shall be vetted by a committee consisting of expert researchers from AIMS, at least one external expert, and a representative from the AIMS Global Secretariat. Successful candidates will be contacted and will be expected to commence their research at the AIMS Research Centre within three months of receiving an award letter.

Contact Information

For further information send an email to armsc@nexteinstein.org.