



# Atlantic Association for Research in the Mathematical Sciences

## AARMS Collaborative Research Groups

### **Definition**

A Collaborative Research Group (CRG) typically consists of Atlantic Province University researchers with common research interests who wish to collaboratively develop their research programs. Members of a CRG typically organize intensive workshops, share PDF appointments, coordinate graduate training programs, propose and assist in AARMS summer school programs, jointly supervise graduate students, and carry out other activities supporting their research programs.

### **Objectives**

AARMS believes that groups of researchers with common research interests can benefit from sharing resources and coordinating activities. Furthermore, CRGs offer young researchers a larger community for growing their research program. AARMS also believes that the critical mass achieved by CRGs will help the Atlantic Provinces to recruit and retain faculty in mathematical sciences, to attract post-doctoral fellows and offer enhanced training programs attracting more graduate students.

### **Eligibility**

AARMS will accept submissions from groups of 3 or more Atlantic Provinces University researchers who demonstrate that they have common research interests and wish to collaboratively develop some aspects of their research programs. They should also demonstrate an intention to develop a viable group in the long term, preferably with national and international connections and collaboration.

### **Activities funded**

An AARMS CRG grant will specifically contribute funding toward activities that enhance the collaborative aspect of the CRG, including but not limited to:

- Joint seminars and guest lectures.
- Travel associated with the joint supervision of students and pdfs
- Undergraduate Research projects
- Student exchanges
- Travel to group events

Funding can only be applied to areas which are not covered by other existing AARMS programs. For example CRG funds cannot be used as matching funds for an AARMS postdoctoral fellowship or to fund a workshop which would be eligible for funding under the AARMS workshops and conferences program. If you are uncertain about the eligibility of certain activities please contact us.

CRG funds may not ordinarily be used to pay a honorarium to a visiting lecturer. If compelling reasons exist for paying a honorarium, the CRG may approach the Executive for permission. A request for permission must take place before any arrangements are made.

### **Funding**

AARMS will award successful groups a yearly amount between \$12,000 and \$20,000, for two years. The amount depends on needs and availability of funds. Once awarded, the amount will not be changed for the duration of the CRG. The funding for the second year is conditional on a successful first year. Funded groups may reapply to the program. In this round we expect that, at most, 3 groups will be funded. In addition, CRGs will have favourable status for applications under the other AARMS programs during their tenure.

### **Administrative structure**

A CRG must name a Group Administrator who will be responsible for all communication with AARMS and who will, if funding is approved, administer the group's accounts and prepare progress reports for AARMS. An AARMS CRG is expected to maintain a website with a list of current members, group publications and past and upcoming events.

### **Application**

An application must contain the following elements:

- Name of the group and its academic administrator.
- List of group members with a list of relevant publications.
- Detailed description of the common research interests.
- Detailed description of the proposed group activities, including those to be funded partially or totally by an AARMS CRG grant.
- Budget showing all sources of funding and proposed expenses.

Applications are expected to show evidence of research strength in the members, and a convincing plan for collaboration. A history of collaboration is taken to be a good indication of future collaborative success. Concrete plans for coordination with other AARMS programs (proposal for a relevant summer school topic, relevant workshops, a joint PDF application, etc.) will be viewed favourably. Applications will also be favoured that demonstrate a reach beyond the Atlantic Region. And, all other aspects being equal, preference will be given to new applications over requests from current CRGs for a renewal of funding.

### **Report**

At the end of each year, a funded group must submit a report of scientific activities, together with a

description of the use of AARMS funds. This will be reviewed by the AARMS executive before a second year's funding is approved. A final report is to be submitted to AARMS at the end of the 2 year funding cycle. AARMS will provide a template for financial reports.

### **Deadline**

Applications must be received, via our online workshop/conference proposal system by February 15 for programs to begin the following September.

<https://www.aarms.math.ca/service/>

### **Submission Format**

Please note that our online system for this program does not accept pdf files. It is a form-based system which requires you to enter essential details concerning organizers, location, budget etc into specific fields. A text box is also provided in which you should enter the longer, more discursive part of your proposal. Formatting is provided by using a simple markup language called *markdown*. You can also include LaTeX code fragments into your document for mathematical typography. For more details, our system provides a help page on *markdown*. There is also a conversion utility called pandoc (<http://johnmacfarlane.net/pandoc/>) that will help you to convert files from LaTeX to markdown.

### **Review process**

Applications will undergo a two-stage review. First, the AARMS Executive will make a selection based on the suitability of the proposal, and the fit with AARMS objectives. In the second stage, the Scientific Review Panel will judge academic quality of the proposal and applicants. Applications selected to go forward to the second stage will receive feedback and will be given a chance to modify their application before the second round.