**October 19, 2016**

**News release**

**Mathematicians to solve industry challenges in Atlantic Canada***Mitacs and AARMS partner to support internships between academia and industry*

**Halifax, NS –** Mitacs, a national not-for-profit research and training organization, and the Atlantic Association for Research in the Mathematical Sciences (AARMS) have partnered to see graduate and postdoctoral researchers solve challenges using mathematical sciences in collaboration with industry and not-for-profit organizations.

The partnership will provide companies in Nova Scotia, New Brunswick, Prince Edward Island, and Newfoundland and Labrador with access to top mathematical scientists to support the development of technologies and services in all sectors.

Graduate students and postdoctoral fellows will have opportunities to transfer their skills from theory to real-world application, while companies gain competitive advantages by accessing high-quality research expertise.

Example projects include:

* Assessing local ecosystem health using mathematical models to support sustainable resource development in partnership with an environmental consulting firm
* Preventing the spread of insect infestation in sensitive forest areas using predictive equations to inform pest management programs in partnership with a major pulp and paper producer
* Informing the development of a medication compliance program for successful disease management using predictive analytics in partnership with a critical illness care facility

The agreement fostered between AARMS and Mitacs will be realized through Mitacs’ research internship program, which is dedicated to advancing innovation in Canada through university-industry partnerships. Interns and fellows will benefit from the opportunity to develop their professional skills and networks as they investigate solutions to research challenges.

**Quotes:**

**Alejandro Adem, CEO and Scientific Director, Mitacs**“Mitacs is proud to link with AARMS to connect mathematical science researchers to industry and community challenges. These internships build upon Canada’s strong mathematical research community by giving grad students and postdocs opportunities to apply their knowledge in support of innovative companies in Atlantic Canada.”

**Sanjeev Seahra, Director, Atlantic Association for Research in the Mathematical Sciences** “This agreement will help commercial enterprises of all sizes in Atlantic Canada access the deep and broad mathematical expertise to be found in the region’s universities. The connections formed between innovative companies and young scientists will provide a great opportunity to grow the knowledge-based sectors of Atlantic Canada’s economy.”

**Quick facts about Mitacs:**

* Mitacs is a national, not-for-profit organization that has designed and delivered research and training programs in Canada for 16 years.
* Working with 60 universities, thousands of companies, and both federal and provincial governments, Mitacs builds partnerships that support industrial and social innovation in Canada.
* Mitacs’ research internship program connects graduate students with industry and not-for-profit partners for collaborations supervised by faculty.
* Open to all disciplines and all industry sectors, projects can span a wide range of areas, including manufacturing, business processes, IT, design, and more.

**Quick facts about AARMS:**

* AARMS was founded in March 1996 at a time when the National Network for Research in the Mathematical Sciences was being discussed and planned.
* *AARMS exists to encourage and advance research in all branches of the mathematical and statistical sciences* in the Atlantic region.
* AARMS acts as a regional voice in discussions of the mathematical sciences on a national level.
* Since its inception, AARMS has played an important role in research activities in the Atlantic region, sponsoring or co-sponsoring numerous meetings and workshops, collaborative research groups, postdoctoral fellowships and mathematical outreach.

**Links:**

* For information about Mitacs and research and training programs, see [www.mitacs.ca/newsroom](file:///%5C%5Cmocha%5CComm-Staff%5CNews%20Releases%5C2016%5C10-%20AARMS%20Math%20MOU%5Cwww.mitacs.ca%5Cnewsroom).
* To learn more about the Atlantic Association for Research in the Mathematical Sciences, visit <https://aarms.math.ca>.

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