



Women in Science and Engineering Atlantic Region

Fall 2017/Issue 17

The NSERC Atlantic Chair's program for Women in Science and Engineering, WISEatlantic, aims to provide junior and senior high school girls access to role models active in the sciences and engineering fields through mentorships, webinars, science workshops and camps. We network with women from industry and academia, from science, engineering and technology disciplines at various stages in their careers.

WISEatlantic Partnerships Program



The WISEatlantic Partnerships Program is a NEW opportunity for community organizations in Atlantic Canada to apply for **one-year sponsorships** to establish or expand programs that promote the outreach, recruitment, and retention for girls, young women, and industry professionals in science, technology, engineering or math (STEM). Organizations may apply for a 1 year sponsorship of up to \$3000. Call for funding abstracts begins on **September 11, 2017** for projects taking place in 2018. Deadline is **October 25, 2017** at midnight.

To learn more about the Partnerships Program and its criteria, visit WISEatlantic.ca/partnerships-program/

WISEatlantic Upcoming Events

Be Inspired! Discover Exciting Careers

September 20, 2017 | 6:30 pm - 7:30 pm with reception to follow
Lindsay Children's Room, Halifax Central Library



Discover careers in Science, Technology, Engineering, and Math (STEM) by meeting people working in these fields during a panel session and reception. Junior and Senior high school students, parents, and teachers are welcome!

This event is part of Science Literacy Week, a week-long celebration of science in Canada, September 18- 24, 2017. To learn about more Science Literacy events in your area, visit: www.scienceliteracy.ca

STEMaware

October 18, 2017 | 6 pm - 8 pm

Rosaria Multipurpose Room, Mount Saint Vincent University



STEMaware is an opportunity for girls in grades 10 to 12 to discover careers in Science, Technology, Engineering, and Math (STEM) by chatting with Mount Saint Vincent University graduates currently working in these fields. *Refreshments will be served. Thanks to NSERC PromoScience for funding this event.*

Learn more and register at: www.WISEatlantic.ca

In the Pipeline...

- **Science Exploration**, a free science retreat for indigenous youth, grades 7-12 will be held at Mount Saint Vincent University on **November 16**, from 10 am - 2 pm. Travel reimbursement available. To register, visit: www.WISEatlantic.ca
- Dates for the 2017-2018 **Women in Science Speaker Tour** will soon be released. This year's speakers include: Dr. Danielle Cox (MSVU) and Dr. Nola Etkin (UPEI).
- WISEatlantic will co-sponsor a WinSETT Workshop Series in Halifax, and New Brunswick this Fall and Winter.

WISEatlantic Past Events

Atlantic ConnecTions Conference 2017



The 2nd biennial Atlantic ConnecTions Conference took place May 3 & 4, 2017 at Mount Saint Vincent University in Halifax, NS. This conference engaged over 100 women in SETT from across Atlantic Canada to share their experiences, network, and develop action plans with the goal of advancing women in SETT.

The event featured keynote speakers Vandana Juneja, Senior Director at Catalyst, and Gloria Montano, Director of WinSETT. Donna Clark of Courage Group International facilitated the open sessions during the conference. For certain parts of the conference, participants were offered parallel streams for women in technology, trades, academia, and engineering. The attendee's were engaged, and enjoyed connecting with women in a variety of professions.

The final report from the 2017 ACT Conference is available at: www.atlanticconnections.ca



6th Annual Girls Get WISE Science Summer Camp



The sixth annual Girls Get WISE Science Summer Camp took place at Mount Saint Vincent University from July 17-21st. Twenty three girls going into Grades 7 & 8 explored science through hands-on activities, and discovered careers in STEM by meeting and chatting with women working in a variety of STEM fields. Girls enjoyed tracking the development of zebrafish embryos throughout the week, and participating in fun engineering design challenges, a crime scene investigation, soldering circuits for a flight simulator with Lockheed Martin, and much more! Camp participants also met inspiring women during the role model session, including women working in biology, engineering, and technology.

Thank you to our volunteers Emily Globe and Madyn Bourque, role models and everyone who took part in making the camp such a success!

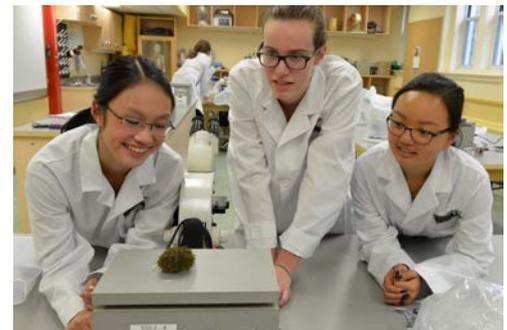
Pictures can be viewed on the WISEatlantic Facebook page.

NEW Girls Get WISE Science Summer Camp for Girls Ages 15 & 16 Launched

From August 28-31st, WISEatlantic held a new camp for girls ages 15-16. Fourteen girls attended the day camp, and explored science through hands-on presentations by local researchers, learned about current research, and enjoyed science labs and demonstrations. Girls enjoyed a variety of activities, such as: studying zebrafish skeletons, mathematics games, meeting women working in SETT within the Canadian Forces, soldering circuits for a flight simulation with Lockheed Martin, engineering design challenges, a Doodle 4 Google Challenge, and much more!



The girls also had the opportunity to meet the **Federal Minister of Science**, the Honourable Kirsty Duncan, who spent time getting to know each of them and their aspirations for the future. Minister Duncan encouraged them to follow their dreams and shared her own experiences working as a scientific researcher.



Thank you to all the presenters and volunteers who donated their time and energy during the camp! A special thank you goes out to Madyn Bourque who graciously volunteered for both of our summer camps this year! Madyn was a past participant in our 2013 and 2014 summer camps and has volunteered with us since then.

WISEatlantic Launches a New Website

In early September, WISEatlantic launched a new website! The website includes an events page that features upcoming events, a resources page of diverse online materials and articles, as well as a news page to stay up to date with happenings across the region.

Thank you to the software company, Code + Mortar for helping us develop the website!

Explore our new website at www.WISEatlantic.ca

Inspiring STEM Books

In honor of Science Literacy Week (Sept. 18 -24), here are a few book recommendations for youth that feature women in STEM...



Rosie Revere, Engineer

By Andrea Beaty

Grades K-2

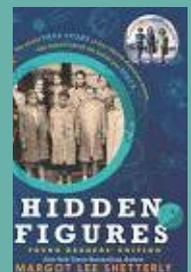
The tale of a girl and her dream to become a great engineer.

Hidden Figures: Young Readers Edition

By Margot Lee Shetterly

Grades 6 and up

In this young reader's edition, learn the powerful story of four African-American female mathematicians at NASA who helped achieve some of the greatest moments in the space program.



News from Across the Region

Nova Scotia

Island WISE in Cape Breton hosted a free summer day camp for girls ages 7-12 from July 10- 14 at Cape Breton University. Thank you to NSERC Promo Science for funding this initiative!

The Discovery Centre held a new, all-girls STEM camps for girls ages 5-7 and 8-12 from July 24-28. WISEatlantic enjoyed leading a fun session on the human digestive system.

WISE Acadia held a two day-long science retreat, WISE STEAM Mash-Up from August 15- 16. Girls explored topics such as neuroscience, astronomy, kinesiology, and Mi'kmaw botany and mentoring session with senior female WISE students.

New Brunswick

On March 17, WISEatlantic hosted **Step Up: An Academic Advancement Workshop** for female faculty in Saint John, NB. Participants learned various strategies for academic advancement which were tailored for female faculty in STEM in Atlantic Canada. To read the report, visit www.WISEatlantic.ca

Newfoundland

WISE NL held another successful Student Summer Experience Program in 2017. Forty-one work placements were filled by young women in Grade 11.

In partnership with the WinSETT Centre and sponsors, including WISEatlantic, WISE NL offered the “**Women in SETT Leadership Program, St. John’s Series**” in the first half of 2017. The program was dedicated in memory of Dr. F. Mary Williams and to advance her commitment to encourage the career development of women in engineering and science.

National

From **November 6 to 8, 2017**, advocates of gender equality policy from science, innovation and development fields will participate in the **Gender Summit North America 2017**, to be held in Montréal. Participants will have the opportunity to engage in discussions under the over arching theme of “Pluralism, Ethnicity & Inclusion – Canadian Values in a Global Context.”

For more information, visit: www.gender-summit.com

From **May 31 to June 2, 2018**, the **CCWESTT Conference** is happening in Edmonton, Alberta. The two-day national event will bring together national and international subject experts, industry and government representatives, and women in SETT to share their knowledge and experience around diversity and inclusion. Learn more, and stay up to date with conference information at: www.cwestt2018.com

November 3-10th, 2018 the International Festival of Science, Technology, Engineering and Mathematics (STEM) is coming to Halifax! **STEMFest** is a collection of conferences and events exploring social, industry, and economic development through the world of STEM education and innovation. Visit stemfest2018.ca for more information.

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For resources, videos, and info about upcoming events visit: www.WISEatlantic.ca

