



Women in Science and Engineering Atlantic Region

Fall 2019/Issue 23

The Women in Science and Engineering – Atlantic Region (WISEatlantic) program aims to shift gendered STEM stereotypes. We empower girls to consider Science, Technology, Engineering and Math (STEM)-based careers by raising their awareness of the diversity of jobs within these fields, and enabling them to visualize themselves working in these fields. WISEatlantic also supports early career women in STEM through professional development and networking opportunities.

What's Coming Up:

Partnerships Program Funding

The WISEatlantic Partnerships Program is an 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). It is expected that projects have a plan for continuation after WISEatlantic Partnerships Program funding ends. Organizations may apply for a one year sponsorship of up to \$3000. Call for funding abstracts are now open for projects taking place in 2019/2020. Deadline to apply is **October 25, 2019** at midnight.

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

Explore Careers in Ocean Science - September 18, 2019

Join WISEatlantic as they celebrate Science Literacy Week at Halifax North Memorial Public Library on Wednesday, September 18th, 2019 from 6:30-8:00 p.m. The theme of Science Literacy Week this year is Oceans and Ocean Science! Explore some cool Ocean Science careers from our panel of experts and participate in our hands-on, ship building activity put on by COVE! All junior high school students are welcome to attend, along with parents.



Please RSVP to Sally at WISEatlantic@msvu.ca. Light refreshments will be provided.



STEMaware - Tuesday, November 5, 2019

Join us on **Tuesday, November 5, 2019 from 6:30-8:00 p.m.** at **Mount Saint Vincent University**, Rosaria Student Centre Multipurpose room, to learn more about careers in Science, Technology, Engineering and Math (STEM). 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 as well as current Mount BSc students. Parents of participants are also welcome to attend.

Refreshments will be served. Thank you to NSERC PromoScience for funding this event. Learn more at: www.WISEatlantic.ca/events



What We've Been Up To:

Junior & Senior Girls Get WISE Science Summer Camps

Two Girls Get WISE Science Summer Camps took place again this summer at Mount Saint Vincent University. Thirty-nine girls in Grades 7 -10 were exposed to different areas of STEM through hands-on activities and experiments, and chatting with women working in STEM fields.

Through-out the week, the Junior Camp girls spent time in the lab studying baby zebrafish under microscopes and staging their development. When they weren't watching the zebrafish grow, they were participating in other STEM activities around campus. The girls put their detective skills to the test as they scavenged a crime scene for clues – by performing both hair and fingerprint analysis they were able to step into the world of forensic investigation and catch the thief! During a Biology session, they explored the mind-boggling concept of regeneration and got to see it occur first hand by studying planaria. They also got to learn about how Virtual Reality can facilitate training for welding with the Nova Scotia Construction Sector Council and they got to experience what it's like to walk along a beam on the MacDonald bridge!



Our Senior Camp girls put their computer skills to the test by creating their own websites using HTML/CSS coding with Code Mobile. They tried their hands at Soap Making with the Laughing Pear Soap Company, which left the lab smelling beautifully! The girls also tried out drone building. While they spent the majority of their time exploring STEM careers, they

also learned about what university life is like by attending a tour of Mount Saint Vincent University and learning the ins-and-outs of campus.

Thank you to our volunteers Madyn Bourque, Molly Murray and Julia Odendaal, role models, our photographer Jeanette McPherson and everyone who took part in making the camps such a success! Pictures can be viewed on the WISEatlantic website, Instagram, and Facebook.



Atlantic Connections Conference 2019



The third biennial Atlantic ConnecTions Conference was held on May 30 & 31, 2019 at the University of Prince Edward Island in Charlottetown, PE, at the Faculty of Sustainable Design Engineering. The main theme of the conference was “Sustaining Women in SETT”, and as such the program particularly focused on how best to retain women and gender minorities in SETT in Atlantic Canada. ACT 2019 provided an opportunity for attendee’s to share their experiences of studying and working in male-dominated fields, to network with others, and to discuss successful strategies for recruiting and retaining women in SETT.

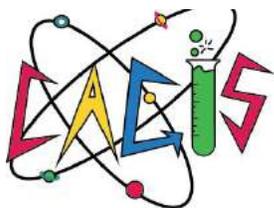


ACT 2019 welcomed 84 students, academics and industry professionals from SETT sectors across Atlantic Canada. The conference began on May 30th with two optional workshops; a WinSETT Centre Special Topics workshop entitled “Making Your Communication Style Work for You”, and the other was a workshop for Tradeswomen and Apprentices entitled “Respectful Workplaces for Women” organized by CCWESTT. The meeting closed with a Resiliency Workshop by Dr. Dana Lee-Baggley. The ACT 2019 Report is available at

WISEatlantic.ca and atlanticconnections.ca

What's New:

New CAGIS Program - Still Time to Register for 2019-2020 school year



Canadian Association for Girls In Science (CAGIS) is an award winning not-for-profit science club for girls age 11-16. CAGIS chapter members meet monthly to explore STEM with fun, hands-on activities led by women and men experts in a variety of STEM fields. These monthly events often occur at the work places of our STEM experts, giving girls a behind-the-scenes view and allowing them to experience the lab and field environment for themselves!

WISEatlantic is starting a Halifax chapter in September 2019. Are you interested in becoming one of the first members of CAGIS Halifax? Register today at girlsinscience.ca/join/

Get Involved:

We are currently recruiting new chapter volunteers. Chapter volunteers help to plan and organize regular STEM events, in addition to helping out at the STEM events. If you're a university, college student in a STEM program or a woman working in a STEM profession and would like to volunteer or find out more, please contact Sally at WISEatlantic@msvu.ca

Career Spotlight Series!



The first booklet in the Career Spotlight Series - Women in Science has been completed. The series is directed at young girls in Junior and Senior high Schools and will be distributed to various schools and teachers conferences in the Maritime Provinces.

The aim of the Career Spotlight Series is to showcase the variety of careers available in the STEM fields. The first booklet features a selection of diverse scientists from the Maritime provinces,

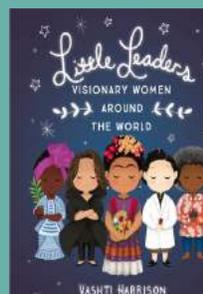
including a Geologist, a Molecular Microbiologist, a Research Associate in Chemistry and Physics, a Marine Biologist, a Chemist and an Environmental Biologist.

This is the first in the series of four booklets. The next career booklet will come out in the fall of 2020 and will shine the spotlight on Engineers. The following years will feature women in Information Technology and Math and Aboriginal STEM professionals.

The booklet is available on our website at www.WISEatlantic.ca or by contacting Sally Marchand at WISEatlantic@msvu.ca.

WISEatlantic is looking for interested individuals to come forward to translate the books to french. Please contact WISEatlantic at the above email address if you are interested.

WISEatlantic Reading Picks



Little Dreamers - Visionary Women Around the World
by Vashti Harrison

Featuring the true stories of 35 women creators, ranging from writers to inventors, artists to scientists, not, but all of the women had a lasting effect on the fields they worked in.

The Only Woman in the Room
by Eileen Pollack

A bracingly honest exploration of why there are still so few women in the hard sciences, mathematics, engineering, and computer science



Nova Scotia

This fall **Skills Canada - Nova Scotia** will be hitting the road offering In-Class Presentations and Essential Skills Challenges at schools across the province; and hosting a variety of Skilled Futures events for students in grades 8-10. To see when we will be in your area and for more info please visit www.skillsns.ca.

WISE Acadia hosted a four-day, three-night camp, Full STEAM Ahead, in August for thirty girls entering grades seven and eight. The camp had morning plenary sessions, ten workshops, a mentoring event with Acadia students, and evening activities (swimming and Seeing Stars were popular). Highlights of the camp can be found on Twitter checking the hashtags #WISEAcadia & #FullSTEAMAhead and on the WISE Acadia Facebook page.



WISE Acadia is planning our third bi-annual career mentoring event, WISE Works, on September 30th, 2019. After a plenary speaker, Acadia Alum, Dr. Donna Hurlburt (former Indigenous Student Adviser at Acadia, now Manager, Biodiversity with the NS Dept.

Lands and Forestry), students are given the chance in speed-meeting rounds to talk with their choice of sixteen female Acadia Alumni/faculty who are in Science, Technology, Engineering, Arts, and Math fields.

For more details visit WISE.acadiau.ca



New Brunswick

The **WinSETT Centre** is bringing the full series of WinSETT Leadership Workshops to Fredericton this fall and WISEatlantic is a sponsor. The first workshop - Becoming Leaders will be September 18, 2019.

These are 6 professional development leadership workshops developed by the WinSETT Centre and tailored to early and mid-career female engineers, scientists, technologists and tradespersons working in science, engineering and technology based sectors.

For further information or to register go to <https://winsettfredericton2019series.eventbrite>

National

The Dr. Margaret-Anne Armour National CWSE Conference Grant call for applications is from September 7-15, 2019. Applications may be submitted by individual students, professors, administrators or professionals. All received applications will be reviewed for approval. Application forms along with a cover letter must be submitted by email to cwsecfsg@gmail.com. For further information check the website at www.WISEatlantic.ca

If you have an event you would like featured in our next newsletter (January, 2020), email WISEatlantic@msvu.ca with your submission and we'll try to include it.

If you no longer want to receive our newsletter, email us with the subject "unsubscribe".

To our sponsors & partners, thank you for your on-going support!

Contact Us

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