



Women in Science and Engineering Atlantic Region

Fall 2018/Issue 20

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:

Out of this World!- Explore Space with Local Scientists Saturday, September 22, 2018

Are you curious about outer space? Want to learn how YOU can have a career studying the cosmos? Then make sure to join us on **September 22, 2018 from 2:00-3:30 p.m. at the Woodlawn Public Library, Dartmouth** as we host local scientists who will showcase their space-related research, and discuss how they ended up with these awesome careers!

This event is part of Science Literacy Week and sponsored by NSERC. All are welcome to attend! *Light refreshments will be served.*



STEMaware - Wednesday, October 10, 2018



Join us on Wednesday, **October 10, 2018 from 6:00-8:00 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



STEMFest - November 3-10, 2018



Don't miss STEMFest 2018 where Nova Scotian's will be celebrating the innovations of STEM and the value of creativity in the innovation process with 8 days of activities! STEMFest is a collection of conferences and events exploring social, industry, and economic development through the world of STEM education and innovation. WISEatlantic will be there all week, visit

our booth at the **STEM Fair, Saturday, November 10th** from 1-4pm. WISEatlantic Chair, Dr. Franz-Odendaal, will be moderating a panel session, 'A Diversified Workplace' as part of **Industry Day: Driving Your Digital Advantage** which is presented by Big Data Alliance of Nova Scotia in partnership with Digital Nova Scotia and NSERC.

Visit stemfest2018.ca for more info.

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What We've Been Up To:

Junior & Senior Girls Get WISE Science Summer Camps



Two Girls Get WISE Science Summer Camps took place at Mount Saint Vincent University this year in July and August. Thirty-nine girls in Grades 7 -10 explored science, technology, engineering and math activities through hands-on activities and experiments, and learned about careers in STEM by chatting with women working in STEM fields. The girls enjoyed tracking the development of zebrafish embryos throughout the week, participating in fun engineering design challenges, designing a lock and key with a 3D Printer with **Lockheed Martin**, making bath bombs, studying chicken embryos, and measuring the electrical activity of the brain!

Thank you to our volunteers Emily Nielsen and Julia Odendaal, role models, and everyone who took part in making the camps such a success! Pictures can be viewed on the WISEatlantic website, Instagram, and Facebook.



Be Curious! Explore Careers with Impact



On May 14, young girls, parents, teachers and role models participated in a Science Odyssey hosted by WISEatlantic at the **Nova Scotia Community College** in Lunenburg. The girls had lots of questions for the role models and came away from the evening with lots of knowledge about the variety of STEM careers available.

Role models represented included an air traffic controller with Canadian Forces, Molecular Biologist, Chemical Engineer, and a graduate student in Mathematics and Statistics.

Partnership Events

This past June, we partnered with **Techsploration** for a unique event series celebrating Techsploration's female role models and volunteers in honour of the organization's 20th anniversary year. Approximately 40 teachers, role models, and event volunteers attended the series, which took place in Port Hawkesbury and Halifax (NSCC and Mount Saint Vincent University). Participants enjoyed an interactive and informative 90-minute WinSETT professional development workshop followed by an intimate networking reception. The series offered Techsploration a special opportunity to show their appreciation for their dedicated volunteers, including both role models and teachers.



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 begins on **September 10, 2018** for projects taking place in 2019. Deadline to apply is **October 26, 2018** at midnight.

Last year's successful applicants were:

Women Scientists in Agriculture and Fishing -by Female Leaders in Academia, Dalhousie University, Truro, NS

WISE NL Speaker Series - by WISE NL, St. John's NFLD

In School STEM Workshops - by Education 20/20, PEI

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

Women in Science Speaker Tour 2018/19

The third Women in Science Speaker Tour, sponsored by WISEatlantic and Science Atlantic, will start this fall. This year's speakers are Dr. Heather Reader, Assistant Professor of Chemistry, Memorial University and Dr. Nola Etkin, Associate Professor of Chemistry, UPEI.

Dr. Reader will be giving research talks at St. Marys' University, Mount Allison University, and UPEI. Her public talk will be held at Dalhousie University on **November 2, 2018** and is entitled "A river in the North Pole: Finding the transpolar drift". All are welcomed.



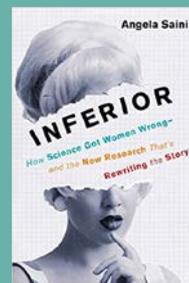
Dr. Etkin will be giving a research talk and a public talk at Grenfell University on **October 24th**, time TBA. Her public research talk is entitled "There's STILL a great future in plastics". She will also be speaking at Cape Breton University, date and time TBD, check WISEatlantic.ca/events for updates.

For more info visit www.scienceatlantic.ca

WISEatlantic Reading Picks

"Inferior"

by Angela Saini



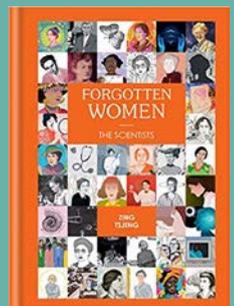
From intelligence to emotion, for centuries science has told us that men and women are fundamentally different. But this is not the whole story.

Shedding light on controversial research and investigating the ferocious gender wars in biology, psychology and anthropology, Angela Saini takes readers on an eye-opening journey to uncover how women are being re-discovered. She explores what these revelations mean for us as individuals and as a society, revealing an alternative view of science in which women are included, rather than excluded.

"Forgotten Women: The Leaders"

by Zing Tsjeng

Forgotten Women is a new series of books that uncover the lost herstories of influential women who have refused over of years to accept the hand they've been dealt and, as a result, have formed, shaped and changed the course of our futures. From leaders and scientists to artists and writers, the fascinating stories of these women that time forgot are now celebrated, putting their achievements firmly back on the map



News from Across the Region

Nova Scotia

The Mount's **Science Circles** program, which engages students through hands-on activities in areas such as biology, math, psychology, chemistry, physics, and applied human nutrition, will begin hosting evening events again this fall. All events are 6:00-7:30pm and meet in the Rosaria Student Centre, room 401. Upcoming topics are: **Exploring Mathematics, November 21, and Exploring Biology, January 30.** www.msvu.ca/sciencecircles for more info.

Women in Aerospace Canada Atlantic is hosting a Networking Event to take advantage of the many women working in the aerospace industry visiting Halifax for DEFSEC 2018. Join us on **Thursday, October 4, 2018 from 5:00 - 8:00 p.m.** at Tempo Food + Drink, 1875 Barrington Street for casual conversation, networking, and informal mentoring with locals and visitors. Reserve your free spot – don't delay! Registration is limited to 40. Drinks and light snacks will be provided. www.wia-canada.org

Skills Canada Nova Scotia will be hosting a Careers Showcase & Skilled Futures in Oceans event in conjunction with STEMfest on November 6, 2018. This interactive event will feature over 30 skilled trade and technology displays, each led by Skills Canada partners. www.skillsns.ca

Techsploration is hosting their Annual Launch event on November 23, location TBD. Visit www.techsploration.ca for more details.

The **Canadian Celebration of Women in Computing (CAN CWiC)** Conference is taking place in Halifax, November 2/3. The conference annually attracts over 600 students, faculty and industry professionals for a two-day networking, learning, sharing and mentoring experience. Register today at www.can-cwic.ca

Prince Edward Island

Save the date! The **2019 Atlantic Connections Conference** will take place at the new School of Engineering Design, **UPEI, May 30-31.** ACT is a conference aimed towards advancing women in each of the Science, Engineering, Trades, and Technology sectors. To volunteer, please contact us at wisatlantic@msvu.ca. To view the report from ACT 2017 visit www.atlanticconnections.ca



Newfoundland

WISE NL is seeking Mentors (graduate students, working professionals in both industry and academia) to take part in their Professional Mentorship Program. It is a great way to connect with a young woman pursuing STEM and make a positive impact. Application form can be found at www.wisenl.ca

If you have an event you would like featured in our next newsletter (January, 2019), email Sally at WISEatlantic@msvu.ca with your submission and we'll try to include it.

Contact Us



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



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