



Ontario Network of Women in Engineering 2019



*"It was super fun and I
learned a lot of new things."*

Go ENG Girl participant



"It was friendly, addressed preconceptions/stereotyping, provided lived experience insights, expanded awareness of the scope of the field, and was empowering for young women to believe in themselves. I appreciated the positivity, based in reality. Very encouraging."

Go ENG Girl Parent

ONWiE

The Ontario Network of Women in Engineering (ONWiE) recognises that we're better together! All the accredited schools and faculties of engineering across Ontario collaborate to encourage young women to consider engineering as a career. Our sponsors and partners help us offer high quality outreach programs that celebrate diverse approaches to engineering. We are proud that our flagship programs such as Go ENG Girl and Go CODE Girl are offered across Canada.

As we move forward, we're excited to highlight links between sustainability values and engineering. We will work with partners to extend our reach further to ensure engineering becomes fully diverse and inclusive.



Kim Jones

Associate Professor, Chemical
Engineering, McMaster University
Chair, ONWiE



Bani Rafeh

ONWiE Coordinator



"I think the most important thing to understand about change is that it often starts with something small"

Dr. Maria Klawe, President, Harvey Mudd College

ONWiE Summit

On November 21-22, 2019, over 200 representatives from universities and industry came together for the 3rd Ontario Network of Engineering for Women (ONWiE) Summit, an action-oriented two days of discussion, planning, brainstorming and sharing of inspiration and ideas for promoting more diversity and inclusion in STEM fields.

On Thursday November 21, Dr. Marie Klawe, a pioneer who has achieved gender equity in computer science at Harvey Mudd College, shared her insights with more than 200 guests from industry and academia that attended the Keynote Dinner. Dr. Klawe discussed ways to increase the number of women in technology, with practical solutions for industry partners.

On Friday November 22, the goals and direction of ONWiE were reaffirmed, while over 100 attendees learned from experts and shared best practices in innovative outreach and recruitment strategies to continue working towards gender parity in Engineering.

Summit workshops and activities highlighted:

- Emphasizing the fit between helping values and engineering
- Integrating intersectional approaches and engineering
- Engaging with partner organizations and sharing best practices
- Developing inclusive academic cultures

ONWiE received generous support from Title Sponsor SUEZ for this Summit





ONWiE Summit Participant Quotes:

"I enjoyed the diverse groups of people from post-secondary, industry and teachers."

"I liked how everything was designed to nudge participants towards action steps."

ENGENDERING SUCCESS IN STEM

ONWiE is proud to be a member of the Engendering Success in STEM Research Consortium. We work closely with social psychologists with the shared goal to foster women's inclusion and success in STEM (Science, Technology, Engineering, and Math). Our goal is to use an evidence-based approach to break down the biases girls and women face on their pathway to success. See **SuccessinSTEM.ca** for more details.

Girls need to feel **Authenticity, Safety and Fit** in Engineering.

Self-concept fit

Is this a domain that fits who I am?

Our near-peer mentoring and Ambassadors provide role models.

Goal fit

Does the role afford my goals?

Our workshops highlight how engineering can be applied to address social values.

Social fit

Do people there respect me?

Our supportive environments build confidence.





"It was wonderful because I was able to build something that would help people."

Go ENG Girl participant

GO ENG GIRL/GENIALES LES FILLES

Go ENG Girl/GENiales, les filles offers girls in grades 7-10 the opportunity to be exposed to engineering fields through a series of fun hands-on and interactive activities and exhibits. Female undergraduate students, professional engineers, and university professors take part in the day to share their stories of passion, inspiration and success. Parents are encouraged to attend and participate to learn more about importance of diversity and inclusion in engineering and the unique opportunities available to their daughters.

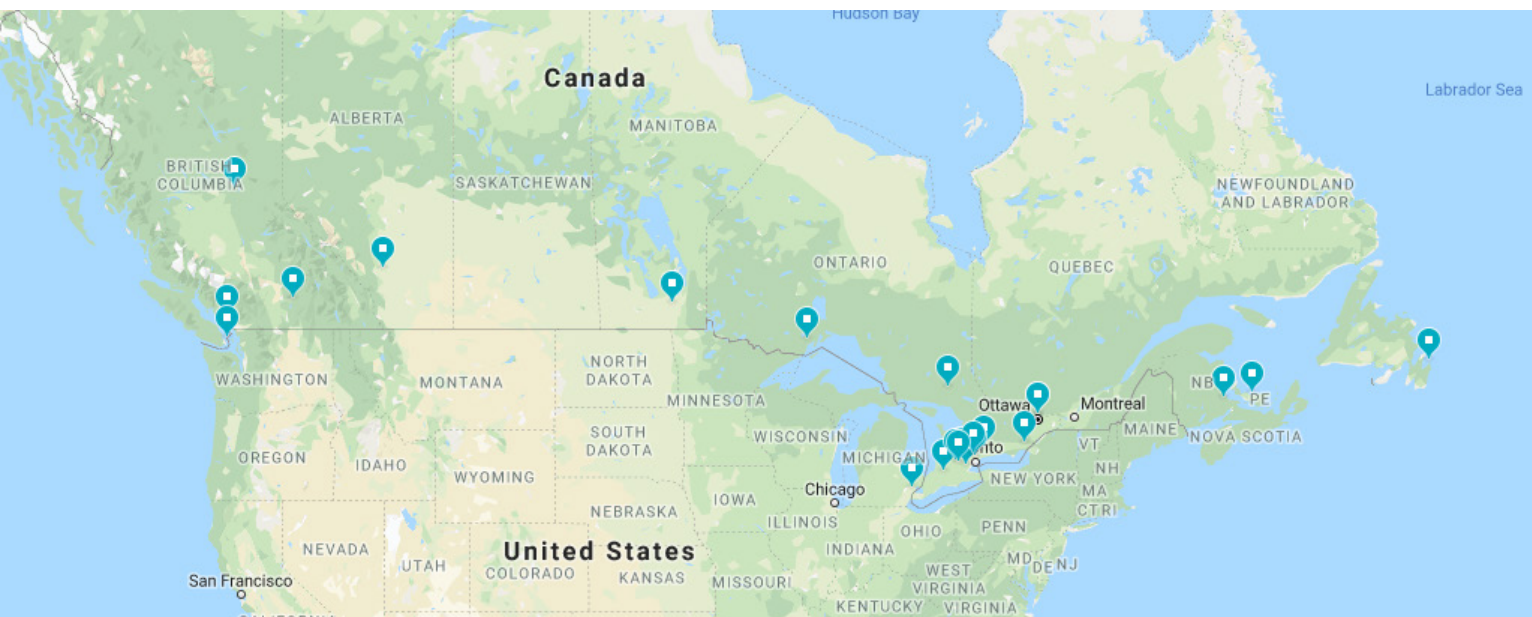


2019 BY THE NUMBERS

1523 GIRLS ACROSS CANADA

416 PARENTS ACROSS CANADA

24 ONWiE MEMBER SCHOOLS



In 2019 Go ENG Girl was offered at 24 campuses across Canada!



"I like the fact that I was able to interact with other people with similar interests as me."

Go CODE Girl participant

GO CODE GIRL/ALLEZ CODER LES FILLES

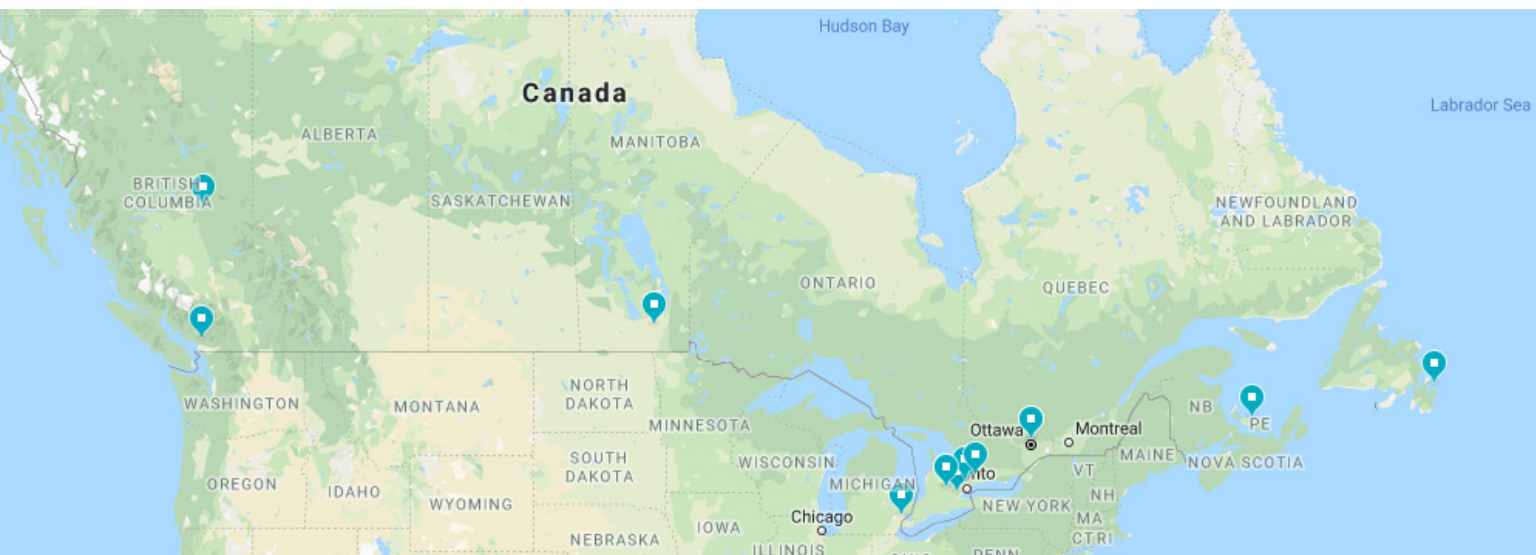
Open to girls in grades 7-10, Go CODE Girl/Allez codez les filles programs are designed to expose girls to the wide range of career possibilities available in the rapidly-growing fields of technology, computing and software engineering. At Go CODE Girl, students discover the digital skills that will drive tomorrow's coolest communications, most imaginative innovations and most essential societal improvements.



2019 BY THE NUMBERS

1115 GIRLS ACROSS CANADA

17 ONWiE MEMBER SCHOOLS



In 2019 Go CODE Girl was offered at 17 campuses across Canada!



“Girl Guides is the place where girls between the ages of 5 – 17 can experiment, design, create and imagine as they explore the infinite possibilities of what they can achieve in the world of science, technology, engineering and math.”

Girl Guides Canada

ENGAGING GIRL GUIDES

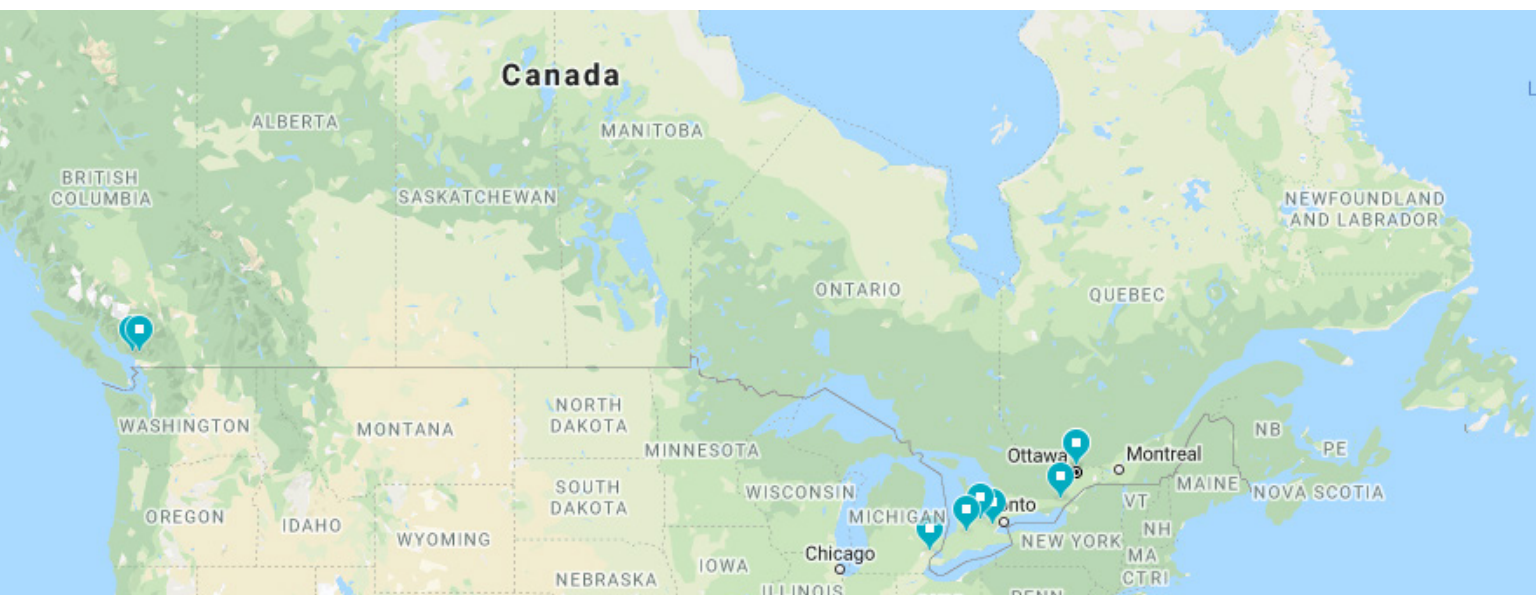
Badge Day gives Girl Guides the opportunity to visit an accredited engineering university or college campus and participate in interactive activities to earn their engineering and science badges. During Badge Day, activities are facilitated by engineering student volunteers to leave participants with confidence in the sciences and inspiration to pursue STEM through high school, post-secondary and beyond.



2019 BY THE NUMBERS

1520 GIRLS

9 ONWiE MEMBER SCHOOLS



In 2019 Badge Day was held at 9 campuses across Canada!

BEHIND THE SCENES

ONWiE events are supported by a dedicated team of leaders at each campus location. Teams are comprised of engineering students, faculty, staff, and alumni who manage all aspects of the program.

THANK YOU!

Provincial Partners



CARLETON UNIVERSITY
Christine Riddell



CONESTOGA COLLEGE
Karin Cain, Erin Camm, Kyla Frankowski



LAKEHEAD UNIVERSITY
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Dr. Amy Hsiao



UNIVERSITY OF VICTORIA

Camille Zimmer

Our sponsors are behind our success.



ENGINEERING

Thank you to our main supporter.

McMaster Engineering is our generous host.

Innovator Partners



Suez supported our Summit dinner.



TD made our programs possible.

Motivator Partners



Calendars were sent to all the participants of Go ENG Girl.



Engineers Canada provided support for expanding to a non-university site.

Local Supporters



The Doody Family

