

Chair for Women in Science and Engineering  
BC and Yukon RegionWestcoast Women in Engineering,  
Science & Technology

## Women in Science, Technology, Engineering and Math (STEM) Kwanlin Dün Cultural Centre Multi-Purpose Room June 1-2, 2015

We are pleased to bring you this exciting workshop series on Women in Science, Technology, Engineering and Math (STEM). In 1996, the National Sciences and Engineering Research Council (NSERC) launched the Chairs for Women in Science and Engineering (CWSE) Program. The goal of this program is to increase the participation of women in science and engineering, and to provide role models for women active in, and considering, careers in these fields. The NSERC Chair for the BC and Yukon Region along with Westcoast Women in Engineering, Science and Technology (WVWEST) will be leading sessions on:

Day 1: Monday June 1, 2015		
Workshop 1	Practical Mentorship (for Women in STEM)	9:00-11:30
SCOPE Lunch & Learn	Mentoring Best Practices Panel	11:45-1:30
Workshop 2	Practical Mentorship (for Managers of Women in STEM)	1:45-4:00
SCOPE Science After Hours	Details TBA	4:30-5:30
Day 2: Tuesday June 2, 2015		
Workshop 3	Leadership for Junior and Intermediate Women in STEM	9:00-11:30
SCOPE Lunch & Learn	The Next Generation of Women in STEM	11:45-1:15
Workshop 4	Effective Measurement	1:30-4:00

Details on each of the sessions, and the workshop leaders, may be found in the attached. Local mentors and leaders in STEM will be on hand to share their experiences. This event is co-hosted by:

- NSERC Chair for Women in Science and Engineering (BC and Yukon Region)
- Westcoast Women in Engineering, Science and Technology
- Yukon's Science Community of Practice (SCOPE)
- Yukon College
- Yukon Research Centre
- Government of Yukon Executive Council Office
- Government of Yukon Staff Development Branch

There is no cost to participate in this event; however as space is limited and we expect interest in this event to be high, registration is required. You may register for one or all of the sessions. Please **register early** to reserve your spot. You may register online at <https://eventbrite.com/event/16777902157/> or by using the attached registration form. We look forward to seeing you there.

Sincerely,

Dr. Lisa Canary, Workshop Co-Chair  
Climate Change Curriculum Developer, Yukon College

Dr. Aynslie Ogden, Workshop Co-Chair  
Senior Science Advisor, Government of Yukon

# Workshops on Women in STEM

## Kwanlin Dün Cultural Centre Multi-Purpose Room

### June 1-2, 2015

#### Day 1: Monday, June 1st, 2015

##### **Workshop1: Practical Mentorship (for Women in STEM) 9:00-11:30**

**Description:** Mentorship is a key component of employee development. It can take many forms, and mentors can be found in many places. In this hands-on workshop, we explore how values shape the mentoring experience, the six facilitative conditions to create a strong mentoring relationship, and the types of mentoring programs that can work in different situations. A local mentor will be on hand to speak to why they think mentorship is important and worthwhile, how it has helped them to get to where they are, and offer advice on how to approach a potential mentor.

**Who should come:** Women in STEM who want to find a mentor, or who want to get more out of their existing mentoring relationships.

**Why:** Mentorship is one of the best ways to learn about work culture and climate, network, get support, and discover career paths you never dreamed of. Having a mentor can reduce the impact of stereotype threat on your performance.

##### **SCOPE Lunch & Learn: Mentoring Best Practices Panel 11:45-1:30**

**Description:** This panel will be moderated by Dr. Shannon and will feature 3-5 local panellists working in STEM including senior leaders who support mentoring within their organization, and early-mid careers who have had success being mentored. Lunch will be provided.

**Who should come:** Anyone interested in mentorship

**Why:** Share best practices around mentorship that have worked for leaders in the Yukon & network with like-minded professionals

##### **Workshop 2: Practical Mentorship (for Managers of Women in STEM) 1:45-4:00**

**Description:** Mentorship is a key component of employee development. It can take many forms, and mentors can be found in many places. In this hands-on workshop, we explore how values shape the mentoring experience, the six facilitative conditions to create a strong mentoring relationship, and the types of mentoring programs that can work in different situations. A local mentor will be on hand to speak to why mentorship is good business practice.

**Who should come:** Managers of women in STEM, or intermediate or senior people in STEM that want to become better mentors

**Why:** Mentorship is one of the best ways to help your employees develop, and learn about work culture and climate, network, get support, and explore career. Having a mentor can reduce the impact of stereotype threat on their performance and increase their commitment to your organization.

##### **SCOPE Science After Hours 4:30-5:30**

**Who should come:** Anyone involved and/or interested in STEM in Yukon.

**Why:** Catch up with your colleagues and meet some new ones for an informal after work chat.

## Workshops on Women in STEM

### Kwanlin Dün Cultural Centre Multi-Purpose Room

### June 1-2, 2015

#### Day 2: Tuesday, June 2nd, 2015

##### **Workshop 3: Leadership for Junior and Intermediate Women in STEM** 8:00-11:30

Description: This interactive workshop provides information on factors that influence career and leadership success, overviews practical strategies and tips, and helps you develop a personal action plan.

**Who should come:** Junior and intermediate women in STEM

**Why:** Explore multiple facets of leadership with your peers in this unique, participation-based facilitated session. Learn to lead from where you are.

##### **SCOPE Lunch & Learn: The Next Generation of Women in STEM** 11:45-1:15

*Keynote by Dr. Elizabeth Croft, Ph.D., P.Eng., FEC, FASME. Lunch will be provided.*

**Description:** Women in STEM have made great strides over the past century. Presently, women make up 37% of Canada's undergraduate STEM enrolment similar to most developed countries. Yet the participation of women in technology focused disciplines like engineering and computer science has stalled at below 20%. Moreover, the further one looks up the ranks, the smaller the number of women. Meanwhile, the demand for STEM professionals is outstripping supply and the need for women participate in developing the technology that will profoundly affect our society has never been greater. In this talk I will unpack some of the facts and fiction around girls' and womens' attitudes and experiences in STEM careers and look at some surprising yet successful strategies for changing participation rates.

**Who should come:** Anyone interested in issues surrounding gender diversity in STEM.

**Why:** This lunch keynote is an encore presentation of Dr. Elizabeth Croft's closing keynote to the 2014 International Conference of STEM in Education.

##### **Workshop 4: Effective Measurement** 1:30-4:00

**Description:** Measuring the effectiveness of women in STEM activities is a difficult yet essential step. Providing a strong, evidence-based business case for women in STEM activities is essential for buy-in, but it can be difficult to determine what the right measures are. Effective measurement workshops step through the process of determining what to measure and how to measure it, and cover some of the basics of social science research. This workshop includes a hands-on brainstorm and discussion of how to best measure actual projects in the pipeline.

**Who should come:** Anyone who organizes initiatives or events aimed at changing the participation of women in STEM.

**Why:** Effectively measuring an initiative is essential if you want to ensure it met your goals. It is particularly critical if you rely on funding from granting agencies or sponsors. This workshop will walk through the steps you need to make meaningful measurements.

## Workshop Leaders: Bios

**Elizabeth A. Croft**, Ph.D., P.Eng., Fellow Engineers Canada, Fellow American Society of Mechanical Engineers, is Professor, Associate Dean for Education and Professional Development, and NSERC Chair for Women in Science and Engineering, BC-Yukon in the Faculty of Applied Science at UBC and leader of the WWEST program for women in engineering, science and technology. The aim of this initiative is to promote science and engineering as an excellent career choice for women and other under-represented groups, and to identify and eliminate barriers that result in attrition from these career paths. As director of the Collaborative Advanced Robotics and Intelligent Systems (CARIS) Laboratory at UBC, her research investigates how robotic systems can behave, and be perceived to behave, in a safe, predictable, and helpful manner, and how people interact with and understand robotic systems. Applications of this work range from manufacturing assembly to healthcare and assistive technology. Elizabeth received a Peter Wall Early Career Scholar award in 2001, the Association of Professional Engineers and Geoscientists (BC) Professional Service Award in 2005, the Award for the Support of Women in the Engineering Profession, Canadian Council of Professional Engineers in 2006, an NSERC Accelerator award in 2007, and a YWCA Women of Distinction Award in 2013.



**Jennifer Pelletier** is the Manager for the NSERC Chair for Women in Science and Engineering (BC / Yukon) and also holds the positions of Program Administrator, for the Engendering Engineering Success Research Project and Network Coordination Administrator, for the National CWSE Network. She has been recognized with a UBC Applied Science 2012 Dean's Award for Excellence in Service and a UBC 2010 President's Staff Award in the category of Enhancing the UBC Experience. She was also named the Honourary President of the Engineering Undergraduate Society for the 2009-2010 school year. Her educational background is in Adult Education and project management. Jennifer was a member of the Board of Advisors for GEERing Up! UBC Engineering & Science for Kids from 2006-2012. GEERing Up! is a non-profit organization dedicated to engineering and science education and outreach for the children and youth of British Columbia, particularly those in areas traditionally under-represented in engineering and science.



**Dr. Lesley Shannon** is an Associate Professor in the school of Engineering Science at Simon Fraser University. She is chair of the Computer Engineering Option and her research interests focus on the Computing System Design Architectures. For six years, she was the faculty advisor for SFU's Women in Engineering Group (WEG) and helped to establish outreach and mentoring programs for current and potential engineering students



**Workshops on Women in STEM**  
**Kwanlin Dün Cultural Centre Multi-Purpose Room**  
**June 1-2, 2015**

**Registration Form**

There is no cost to participate in this event; however as space is limited and we expect interest in this event to be high, registration is required. You may register for one or all of the sessions. Please **register early** to reserve your spot. You may register online at <https://eventbrite.com/event/16777902157/> or by using this form.

<b>Name:</b>	
<b>Title:</b>	
<b>Organization:</b>	
<b>Phone:</b>	
<b>Email:</b>	

**Monday June 1st**

<b>I plan to attend:</b>	<b>Yes</b>	<b>No</b>
Workshop1: Practical Mentorship (for Women in STEM), 9:30-11:30		
SCOPE Lunch & Learn: Mentoring Best Practices Panel, 11:45 to 1:30		
Workshop 2: Practical Mentorship (for Managers of Women in STEM), 1:45-4:00		
SCOPE Science After Hours: Women in STEM Networking Session, 4:30-5:30		

**Tuesday June 2nd**

<b>I plan to attend:</b>	<b>Yes</b>	<b>No</b>
Workshop 3: Leadership for Junior and Intermediate Women in STEM, 9:30-11:30		
SCOPE Lunch & Learn: The Next Generation of Women in STEM 11:45 to 1:15		
Workshop 4: Effective Measurement 1:30-4:00pm		

Please send your registration form on or before Wednesday May 20<sup>th</sup>.

**Fax:** 867-667-3216

**Email:** [aynslie.ogden@gov.yk.ca](mailto:aynslie.ogden@gov.yk.ca)

**Registration is limited. Please register early to secure a spot.**