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## Sparking Curiosity

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**Annual Conference & AGM | February 26 & 27, 2020**  
TELUS Spark | Calgary, AB

The Science and Technology Awareness Network is excited to announce its first Conference in Alberta! Join our delegates in discussing the future of Science, Technology, Engineering, and Mathematics across Canada and how the Arts community can be leveraged to improve Science Outreach and Literacy.

Our presenters and panelists will be discussing the future of STEAM; how can we push our boundaries to explore new facets of science outreach across our nation? We will delve into topics such as supporting and encouraging the next generation of STEAM leaders, citizen science, the future of technology, and more.

**Go to last page for list of cultural tour options.**

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### Local Partners:



# Glenbow



## Day 1: February 26, 2020

8:15	Conference Registration   Coffee & Networking
9:00	<p>Greeting by MC Sandra Corbeil, <a href="#">STAN President</a></p> <p>Welcome Remarks: Kristina Archibald, <a href="#">NSERC</a> Mary Anne Moser, <a href="#">CEO TELUS Spark</a></p>
9:30 Keynote	<p><b>TECHNOCREEP: THE SURRENDER OF PRIVACY AND THE CAPITALIZATION OF INTIMACY</b> <b>Dr. Thomas P. Keenan, <a href="#">University of Calgary</a></b></p> <p><i>Dr. Keenan finds easy, relatable and relevant ways to explain complex issues in technology. His keynote address will focus on the future of technology by combining deep technical knowledge with the social and cultural aspects of technology. He is a professor in the School of Architecture, Planning and Landscape as well as the Department of Computer Science at the University of Calgary. He taught Canada's first computer crime course and was involved in drafting Canada's inaugural computer crime legislation. He is also the author of over 500 academic papers, book chapters, presentations and articles including Technocreep - a book that identifies how technology is becoming creepy in hidden ways that are difficult for most people to understand.</i></p>
10:30	Refreshments   Networking Break
10:50 Panel	<p><b>GENDER IMPACT ON STEAM &amp; ENTREPRENEURSHIP PROGRAMS</b> <b><i>Shad Canada</i></b></p> <p><i>Given the persistent difficulty in retaining diverse leadership in STEM and beyond, this panel offers a chance for attendees to engage with data and students to better understand how experiences in leadership can influence retention. Panelists will discuss how to cultivate a sense of belonging and community within youth programs.</i></p> <p>Moderator: Kara McLean, <a href="#">Shad</a></p> <ul style="list-style-type: none"> <li>• JuliAnn Thai, <a href="#">Shad Alumni</a></li> <li>• Mohammed Al Habboub, <a href="#">Shad Alumni</a></li> <li>• Jay Hamidova, <a href="#">Shad Alumni</a></li> </ul>
12:00	Lunch & Networking
13:15 Breakout	<p><b>Unconference* Breakout Sessions + Visit TELUS Spark</b> <i>Share your unconference ideas!</i></p>
14:30 Panel	<p><b>FROM POSTER-BOARD TO PUBLICATION: PROMOTING YOUTH REPRESENTATION AND SCIENTIFIC LITERACY</b> <b><a href="#">The Canadian Science Fair Journal</a></b></p> <p>An interactive session will be followed by a short panel discussion moderated by Rhiannon during which Amanda and Davin discuss their research, their experiences at science fairs, and their experience learning about scientific writing with The Canadian Science Fair Journal. Questions from the audience can also be taken at this time.</p> <ul style="list-style-type: none"> <li>• Amanda Hardman, <i>Youth Researcher, CSFJ-Published Author, &amp; Co-Founder of Experience the Acres</i></li> <li>• Davin Martin, <i>Youth Researcher &amp; CSFJ-Published Author</i></li> </ul>
15:30	Refreshments   Networking Break
15:50 Session	<p><b>SYMBIOSIS: LEARNING STEAM AS A COMMUNITY</b> <b>Jo-Ann Coggan, <a href="#">Science World BC</a></b></p> <p>Learn about a new BC-Wide initiative, <i>Symbiosis</i>, why it is needed and how it can support STEAM programs, events, and goals. See how we are identifying gaps and assessing needs in STEAM. The presentation will include discussions and a public participation activity.</p> <p><a href="http://www.symbiosis.ca">www.symbiosis.ca</a></p>
16:50	End of Day Wrap-up: Sandra Corbeil, STAN President
18:30	<p><b>STAN ON TAP: CASUAL NETWORKING AT THE GUILD</b></p> <p><i>Meet up with fellow delegates and the STAN directors for a pint and some food at your leisure (and on your dime). Reservation is under 'Lindsay'. Arrive any time and join a table.</i></p> <p><a href="http://www.theguildrestaurant.com">www.theguildrestaurant.com</a> 200 8 Avenue SW • Calgary, Alberta, T2P 1B5</p>

## Day 2: February 27, 2020

8:30	Check-in   Coffee & Networking
8:55	Greeting: Sandra Corbeil, <i>STAN President</i>
9:00 Panel	<b>VOLUNTEERING &amp; THE NEXT GENERATION OF STEAM LEADERS</b> <i>The role of volunteering in skill building and preparing young adults in STEM to be leaders in the not-for-profit world, in academia, and in industry will be explored through this panel. Panelists from several organizations will discuss the volunteer experience they seek to create and how it prepares the next generation for leadership roles. Research and evaluations results on the impact volunteering has on the volunteers themselves will be presented. Panelists will include current leaders who create those volunteer experiences as well as current and/or past volunteers.</i> Moderator: Isabel Deslauriers, <i>Let's Talk Science</i> <ul style="list-style-type: none"> <li>Mannix Chan, <i>Let's Talk Science</i></li> <li>Paul Siska, <i>Youth @ the Table</i></li> <li>Janelle Smiley-Wiens, <i>Girl Guides of Canada</i></li> </ul>
10:00	Refreshments   Networking Break
10:20 Panel	<b>ENGAGING IN COMMUNITY &amp; CITIZEN SCIENCE</b> <i>Natural Sciences and Engineering Research Council of Canada</i> <i>In recent years, Citizen Science has become more common, with initiatives across Canada and internationally. Panelists currently engaged in citizen science will share their program successes/challenges and will encourage STAN members and their networks to participate in scientific research through citizen science projects. Interactive discussion will include input from the audience on what types of activities could be considered citizen science and how it is most appropriate to refer to these types of activities.</i> Moderator: Kristina Archibald, <i>NSERC</i> <ul style="list-style-type: none"> <li>Alice Cohen, <i>Earth &amp; Environmental Science, Acadia University</i></li> <li>Mark O'Donoghue, <i>Department of Environment, Government of Yukon</i></li> <li>Tracy Walker, <i>Education Programs, Canadian Light Source</i></li> </ul>
11:20	Unconference* Breakout Sessions
12:30	Lunch & Networking
1:00	<b>AGM</b> <i>Your attendance is requested to help move forward the STAN agenda. <a href="#">Visit the website for details.</a></i>
13:30 Fireside Chat	<b>BRIDGING HIGH SCHOOL &amp; POST-SECONDARY EDUCATION THROUGH SCIENCE OUTREACH</b> <i>Students must adapt to major structural changes when they transition from high school to post-secondary learning environments. What role can educational outreach organizations play in easing this transition? This session will focus on the successes and key challenges associated with bridging this gap, using the STEM outreach program Genome BC Geneskool as a case study.</i> <ul style="list-style-type: none"> <li>Alex Chattwood, <i>Genome BC</i></li> <li>Evelyn Sun, <i>UBC</i></li> </ul>
14:30	Refreshments   Networking Break
15:00 Keynote	<b>SPARKING CURIOSITY. IGNITING LEADERSHIP.</b> <b>Juliet Waters, <i>Kids Code Jeunesse</i></b> <i>This keynote will chart Kids Code Jeunesse's journey from a spark of curiosity to the work of transferring knowledge to kids and educators in urban, rural, and northern communities. It will offer best practices for turning curiosity into enthusiasm, perseverance, and ultimately leadership. Above all it will highlight the importance of SDG 17, the challenge of building partnerships, as well as how and why Canadian educators are so well positioned to educate today's leaders.</i>
16:00	Conference Wrap Up & Closing Remarks: Sandra Corbeil, <i>STAN President</i>

\***Unconference (noun):** a loosely structured conference session emphasizing an informal exchange of information and ideas between participants, rather than following a conventionally structured program. Attendees create sessions on the spot, making for an energizing and freewheeling exchange.



Day 3: February 28, 2020

Join some of your peers in visiting local cultural spots.

We have hosts set to visit these top three locations, but you can also choose to visit some other cultural locations with those you’ve met during the STAN Conference. We’ll have sign-up sheets at the registration desk so you can signal your intent to join us.

**Note: Transportation to and from the tours, as well as any admission fee, is your own responsibility.**

<b>CALGARY ZOO</b>  9:30-11:30 \$30  210 St. George’s Drive NE, Calgary, AB T2E 7V6	<b>Host: Sandy Eix, STAN Board of Directors</b>  From the splendor of the Rocky Mountains to the heart of Destination Africa, the Calgary Zoo takes you to see almost 900 animals from around the world! Join Sandy and your fellow animal lovers at the Calgary Zoo with a special behind-the-scenes tour.  <a href="https://www.calgaryzoo.com/">https://www.calgaryzoo.com/</a>  <i>There’s a train station nearby, if you’d like to use public transportation. You even have time grab a bite to eat and join the tour of the public library! Max 30 people.</i>
<b>GLENBOW MUSEUM</b>  9:30-11:30 \$18  130 9 Ave SE, Calgary, AB T2G 0P3	<b>Host: Lindsay Mann, STAN Coordinator</b>  Glenbow Museum is for history buffs, art lovers, and pop culture fanatics! Explore fascinating historical galleries and exhibitions of art and culture from around the world. Be inspired by a collection boasting more than a million artifacts and some 30,000 works of art!  <a href="https://www.glenbow.org/">https://www.glenbow.org/</a>  <i>Walkable from the DELTA Hotel. Max 20 people.</i>
<b>CALGARY CENTRAL PUBLIC LIBRARY</b>  12:30-1:30 FREE  800 3 St SE, Calgary, AB T2G 0E7	<b>Host: Josephine Tsang, STAN Board of Directors</b>  This isn’t your average library! Featured in the New York Times’ <i>52 Places to Travel</i> in 2019, the building was chosen by Architectural Digest as one of the most anticipated projects of 2018 and one of the world’s most futuristic libraries.  <a href="https://calgarylibrary.ca/">https://calgarylibrary.ca/</a>  <i>Walkable from the DELTA Hotel and the Glenbow, also near a train station if you’re coming from the zoo. Max 20 people.</i>

**OTHER OPTIONS:**

We also found a few other things that might be of interest to you. There will not be a STAN host at these places on the Friday, but we will have sign-up sheets so you can connect with others who might interested in joining you at one of these locations:

- 1. [Studio Bell Music Centre](#)
- 2. [Canada’s Sports Hall of Fame](#)
- 3. [Shuttle to Sunshine Village Ski](#)
- 4. [Day Trip to Banff](#)

Don’t forget to take pictures and tweet your experience! #STAN2020