



NEXT

CASC 2017 ACCS



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Canadian Association of Science Centres
15th Annual Conference • Toronto, ON • May 4–6

Table of contents

Message from the President, CASC	1
Message from the CEO, Ontario Science Centre	2
Helpful Information	3
Schedule at a Glance	4
Speakers	6
Program Session Information	8
Tradeshow Exhibitors	16

CASC 2017 Conference Host



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On behalf of the Board of Directors of the Canadian Association of Science Centres, welcome to Toronto and the 15th Annual CASC Conference. This is the first time the conference has been hosted by the Ontario Science Centre and we are excited to be able to share this time together to engage in open dialogue, high level learning and networking opportunities as well as celebrate the outstanding contributions and work of those who will be recognized during the CASCADE Awards.

Since we gathered together for the 2016 conference in Vancouver, CASC and its 80+ members and affiliates have welcomed over 8 million visitors to our facilities, providing positive, science-based experiences and elevating science literacy in our communities.

The theme of this year's conference is "NEXT" which focuses on the future of our industry. This very much coincides with the work that has taken place over the last year. CASC continues to provide outstanding value to members by offering professional development opportunities for our Members like webinars and conference activities, program opportunities through projects like Innovation 150, Science Odyssey and International Science Centre and Science Museum Day and through ongoing advocacy efforts with the federal government.

Congratulations to the Ontario Science Centre and the entire CASC 2017 Organizing Committee for the work they have done in organizing this conference. With over 150 registered delegates, 20 exhibitors, 10 sponsors, 2 keynote speakers and 23 concurrent sessions, CASC 2017 promises to be an excellent event.

Have a good conference.

Message from the CEO, Ontario Science Centre



MAURICE BITRAN, PH.D.

Dear colleagues:

Welcome to the 15th annual Canadian Association of Science Centres (CASC) conference at the Ontario Science Centre. We're thrilled to be your host!

The Ontario Science Centre was a centennial project—a gift to the people of Ontario on our country's centenary. It

is fitting then that Canada's first science centre is the venue for this event on the country's sesquicentennial year. While you're here, make sure you take a look at the experiences we have prepared for this occasion: Canada 150-Discovery Way, The Energy Show, and Legacy.

We live in a science-based society. Just about every aspect of our lives is connected to science—our health, economy, the way we work, live and learn—all rely on science. Therefore our shared role as science communicators is crucial as strong individual and shared voices in the scientifically literate society we need. A survey conducted by the Ontario Science Centre in late 2016 shows that although most Canadians are confident in their grasp of key scientific issues, there are significant gaps in their actual understanding of the science behind them. Among other findings, this confirms the vital role science centres can and must play in our communities for our visitors and stakeholders. We are doing great work and must continue to look for ways to engage Canadians of all ages.

We must also continue to meet as a group of professionals to share and learn from each other at events like this. And while we are learning and networking and exploring new opportunities, we must also take the time to celebrate together the successes we've had and the contributions we're making. This conference will provide opportunities for all of this.

I trust you will find the CASC 2017 conference informative, inspiring and well worthwhile.

Sincerely,
Maurice

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Helpful Info

SHUTTLE SCHEDULE

Thursday, May 4

5:30 pm Bus to Ontario Science Centre
Delegate bus to pick up
at Westin Harbour Castle

5:45 pm Bus to Ontario Science Centre
Delegate bus to pick up
at Westin Harbour Castle

9:15 pm Bus to Westin Harbour Castle
Delegate bus to pick up
at Ontario Science Centre

9:30 pm Bus to Westin Harbour Castle
Delegate bus to pick up
at Ontario Science Centre

Friday, May 5

7:15 am Bus to Ontario Science Centre
Delegate bus to pick up
at Westin Harbour Castle

7:30 am Bus to Ontario Science Centre
Delegate bus to pick up
at Westin Harbour Castle

5:00 pm Bus to Westin Harbour Castle
Delegate bus to pick up
at Ontario Science Centre

5:30 pm Bus to Westin Harbour Castle
Delegate bus to pick up
at Ontario Science Centre

Saturday, May 6

7:15 am Bus to Ontario Science Centre
Delegate bus to pick up
at Westin Harbour Castle

7:30 am Bus to Ontario Science Centre
Delegate bus to pick up
at Westin Harbour Castle

5:00 pm Bus to Westin Harbour Castle
Delegate bus to pick up
at Ontario Science Centre

5:30 pm Bus to Westin Harbour Castle
Delegate bus to pick up
at Ontario Science Centre

CASC 2017

Schedule at a Glance

All sessions located at the Ontario Science Centre unless otherwise noted

Thursday, May 4

9:30 am – 4:00 pm	Pre-conference tour – MakerSpace Crawl
2:00 – 4:00 pm	Pre-conference tour – Ripley’s Aquarium of Canada
6:00 – 9:00 pm	Welcome Reception

Friday, May 5

8:00 am – 5:00 pm	Registration Mezzanine
9:00 am – 4:00 pm	Tradeshow Mezzanine
8:30 – 9:15 am	Breakfast & What’s New at your Science Centre TELUS Room
9:15 – 10:15 am	Opening Speaker – Nina Simon TELUS Room
10:15 – 10:45 am	Health Break Mezzanine
10:45 – 11:45 am	CONCURRENT SESSIONS Communicating science in a Post-Truth Era G2 Putting the ‘M’ in STEM T Playing it Forward: ECE and Play in Science Centres G1 Putting Scientists in Science Centres S2
11:45 am – 12:30 pm	Lunch Mezzanine
12:00 noon	SK Films Preview <i>Amazon Adventures</i> OMNIMAX Theatre
12:30 – 1:30 pm	Demo Showcase Level 6
1:30 – 2:30 pm	CONCURRENT SESSIONS Your Place, Your (Maker) Space: Which model’s the best fit for your organization? CZ Digital Diaries: Competing for share of voice in the digital age G2 Community Listening and Consultation S2 Diversity: Not Just for the Ecosystem G1
2:30 – 3:00 pm	Health Break Mezzanine

3:00 – 4:00 pm	<p>CONCURRENT SESSIONS</p> <p>Developing new models for public engagement with science and technology G1</p> <p>Sustainability and Climate Change Advocacy, Neutrality, and Everything in Between S2</p> <p>Has Your Science Centre Got Game?</p> <p>Video Games as Tools for Visitor Engagement G2</p>
4:00 – 5:00 pm	<p>CEO Plenary Session – Important issues and the Future Science Centres TELUS Room</p>
5:30 pm	<p>Toronto Night Out (optional)</p> <p>Departure from Westin Harbour Castle Hotel</p>

Saturday, May 6

9:00 am – 4:00 pm	<p>Registration Mezzanine</p>
9:00 am – 1:30 pm	<p>Tradeshow Mezzanine</p>
8:00 – 9:00 am	<p>Light Breakfast Mezzanine</p>
9:00 – 10:00 am	<p>CONCURRENT SESSIONS</p> <p>Inspire Me! G1</p> <p>Controversial science exhibitions:</p> <p>From theory to practice G2</p> <p>Building a workplace of lifelong learning and reflecting S2</p>
10:00 – 10:30 am	<p>Health Break Mezzanine</p>
10:30 – 11:30 am	<p>CONCURRENT SESSIONS</p> <p>Structuring Exhibitions:</p> <p>The Great Islands vs Pathways Debate G2</p> <p>Immersive, Extended School Programs S2</p> <p>Pocket Demonstration Speed Dating G1</p>
10:30 am – 12:00 pm	<p>Animal Encounters (public program) Great Hall, Level 2</p>
11:45 am – 12:45 pm	<p>Lunch & CASC Annual General Meeting TELUS Room</p>
12:45 – 1:45 pm	<p>CONCURRENT SESSIONS</p> <p>Festival Start Up Café G1</p> <p>Communicating Without Text G2</p> <p>Innovation through Creative Educational Partnerships T</p>
2:00 – 3:30 pm	<p>Keynote – Sheila Watt-Cloutier Auditorium</p>
3:30 – 4:00 pm	<p>Health Break Gemini Patio (weather permitting)</p>
4:00 – 5:00 pm	<p>CONCURRENT SESSIONS</p> <p>Is Virtual Reality ready for the science centre floor? S2</p> <p>Once upon a time...the power of narrative:</p> <p>Super-Charged Scientific G2</p> <p>Enhancing Canada's Science Culture G1</p>
6:30 pm – 12:00 am	<p>CASCADE Awards Gala Toulà Restaurant & Bar</p>

(subject to change)

Speakers

Nina Simon

Executive Director of the Santa Cruz Museum of Art & History
Friday May 5 / 9:15 – 10:15 am



Nina Simon has been described as a “museum visionary” by Smithsonian Magazine for her community-based approach to design. She is the Executive Director of the Santa Cruz Museum of Art & History in Santa Cruz, CA, where she led a dramatic institutional turnaround and expansion based on grassroots participation and community partnerships.

Nina is a leader in new thinking about museums and community participation. She runs the blog Museum 2.0 (www.museumtwo.blogspot.com), a top online resource on participatory design and community engagement. She is the best-selling author of the books *The Participatory Museum* (2010) and *The Art of Relevance* (2016). Nina is a passionate activist for the integration of social, dynamic, participatory experiences into cultural institutions and she has shared this passion as a keynote speaker at over 200 conferences in North America, Europe, and Asia. Her writing has appeared in major museum magazines and journals including *Museum*, *Museums and Social Issues*, *Exhibitionist* and *ASTC Dimensions*.

Before joining the Santa Cruz Museum of Art & History, Nina worked worldwide to create dynamic audience-driven exhibitions and programs. Nina started her museum career at the Boston Museum of Science and the Acton Discovery Museum. Later clients included the

Monterey Bay Aquarium, the Experience Music Project, the Smithsonian Museum of Natural History, and the National Gallery of Denmark. Nina was an adjunct professor at the University of Washington Museology program and served as curator at The Tech Museum of Innovation in San Jose, CA. She was the Experience Development Specialist for the International Spy Museum in Washington, DC. Nina also led the design of a multi-platform game that accompanied season 3 of the CBS television show *CSI: NY*. Before working in museums, Nina was an electrical engineer at NASA and an award-winning performance poet. She holds a bachelor's degree in electrical engineering from Worcester Polytechnic Institute.

—
We all want our science centers to be ‘relevant’ But what does that word really mean? Author and museum director Nina Simon will share inspiring examples and practical theories on how to make your work more vital and valuable to diverse communities.

Relevance isn't about what's trending. It's about unlocking meaning in people's hearts. Join Nina for a thought-provoking conversation about how we can use relevance to matter more to more people.

Sheila Watt-Cloutier

Environmental, Cultural and Human Rights Advocate
Saturday May 6 / 2:00 – 3:30 pm



Nobel Peace Prize nominee Sheila Watt-Cloutier is in the business of transforming public opinion into public policy. Experienced in working with global decision makers for over a decade, Watt-Cloutier offers a new model for 21st century leadership. She speaks with passion and urgency on the issues of today—the environment, the economy, foreign policy, global health, and sustainability—not as separate concerns, but as a deeply interconnected whole. At a time when people are seeking solutions, direction, and a sense of hope, this global leader provides a big picture of where we are and where we're headed.

In 2007, Watt-Cloutier was nominated for the Nobel Peace Prize for her advocacy work in showing the impact of global climate change on human rights—especially in the Arctic, where it is felt more immediately, and more dramatically, than anywhere else in the world. Watt-Cloutier an Officer of the Order of Canada; the recipient of the Aboriginal Achievement Award; the UN Champion of the Earth Award; the Norwegian Sophie Prize; and the Right Livelihood Award, which she won in November, 2015 and is widely considered the “Nobel Alternative”. From 1995–2002, Watt-Cloutier was elected the Canadian President of the Inuit Circumpolar Council (ICC). She was later elected in 2002 to become the International Chair of the ICC, representing the 155,000 Inuit from Canada, Greenland, Alaska and Russia—she held this post until 2006. Watt-Cloutier is the author of the memoir, *The Right to Be Cold: One Woman's Story of Protecting Her Culture, the Arctic and the Whole Planet*, published in 2015. The book was nominated for the 2016 BC National Award for Canadian Non-Fiction and the Shaughnessy Cohen Prize for Political Writing. Watt-Cloutier was also shortlisted for the Kobo Emerging Writer Prize.

Everything is Connected: Environment, Economy, Foreign Policy, Sustainability, Human Rights and Leadership in the 21st Century. “We must now speak environment, economy, foreign policy, health and human rights in the same breath,” says Sheila Watt-Cloutier.

In this truly globe-spanning talk, Watt-Cloutier provides a clear, meaningful, and comprehensive understanding of the way these issues are interconnected, and what it means for the future of our planet.

Speaking on leadership, she shows how your organization fits into the grand scheme of things, and organizations can fulfill their mandate by understanding how the local connects to the global, and vice versa.

With a focus on solutions, Watt-Cloutier brings the realities of the Arctic—where Inuit today face profound challenges to their environment, their economy, their health and their cultural well-being—to light. The challenges they face are clearly connected to the industries we support, the disposable world we have become, and the non-sustaining policies we create. Because her Inuit culture faces the most extreme challenges of globalization, Watt-Cloutier speaks from firsthand experience, and couples that with her extensive experiences as a global leader.

Drawing upon her ancient culture, and speaking from a position of strength, not victimhood, she helps audiences find common ground. Her Arctic voice—not as far away as we might imagine—enlightens and inspires. With inclusive good will, it bridges some extremely divided gaps around the world.

Putting the ‘M’ in STEM

Showcase and a Brainstorm
Friday, May 5 / 10:45 – 11:45 am
TELUS Room (T)

Sarah Chisnell, Senior Scientist – Education, Science North
Michael Edwards, Director of Strategic Initiatives and Exhibits, Science East
Brian Anderson, Director of Performance and Fun Times, Science World, BC

Through hands on activities and panel discussion this session will showcase some of the challenges and successes that our centres have encountered in engaging students in math based programs.

Playing it Forward: ECE and Play in Science Centres

Café
Friday, May 5 / 10:45 – 11:45 am
Gemini West (G1)

Devon Hamilton, Principal/Owner, Playful Content
Scott Sampson, President and CEO, Science World British Columbia
Fotini Fokidis, KidSpark Coordinator, Ontario Science Centre

When it comes to learning, play is getting serious. There is increasing recognition that, for growing brains, play is critical to develop resilient, capable, healthy and curious children. This panel will explore why play has such an important role for learning in science centres. The conversation will highlight lessons learned from long established exhibits, new science centre projects, and play-focused learning activities from outside the science centre field. The conversation will provide opportunities to connect, generate ideas and strategies for organizations, network with like minds, learn—and of course, play.

Communicating Science in Post-Truth Era

Panel
Friday, May 5 / 10:45 – 11:45 am
Gemini East (G2)

Dave Ireland, Managing Director, Biodiversity, Royal Ontario Museum
Morgan Roblin, Conservation Coordinator, Escarpment Biosphere Conservancy
Brett Forsythe, EVC Faculty – Communications, Fleming College
Marianne Mader, Managing Director, Earth & Space/Fossils & Evolution, Royal Ontario Museum

Using the Environmental Visual Communication (EVC) program as a case study, this panel will explore the emerging field of visual science communication, including best practices in a “post-truth” landscape, wherein “objective facts are less influential in shaping public opinion than appeals to emotion and personal belief” (Oxford Dictionary’s definition). The only program of its kind in Canada, EVC focuses on strategic messaging and technical savvy, using photography, videography, social media campaigns, multi-media and design principles to bridge environmental competencies with thoughtful communication through diverse media channels.

Putting Scientists in Science Centres

Café

Friday, May 5 / 10:45 – 11:45 am

Studio 2 (S2)

Jennifer Bowden, Science Director, TELUS World of Science, Edmonton

Rachel Ward-Maxwell, Researcher/Programmer, Ontario Science Centre

Dr. Jennifer Crosbie, Clinical Psychologist and Clinician Scientist, The Hospital for Sick Children

Tammy Matheson, Program Director, Community Scientist Initiative, Science World British Columbia

Find out three ways that institutions are connecting scientists to the community. Hear about the Ontario Science Centre's Research Live! Program where guests participate in a research project. Learn about Science World's Community Scientist Initiative and TELUS World of Science Edmonton's Research Zone program that help scientists become stronger science communicators.

Demo Showcase

Friday, May 5 / 12:30 – 1:30 pm

Level 6

Join Ontario Science Centre staff as we showcase some of the best live science demonstrations from across our country. Think of it as "Science Entertainment"!

Your Place, Your (Maker) Space: Which model is the best fit for YOUR organization?

Panel

Friday, May 5 / 1:30 – 2:30 pm

Challenge Zone (CZ)

Marianne Mader, Managing Director, Earth & Space/Fossils & Evolution, Royal Ontario Museum

Kevin von Appen, Director, Science Communication, Ontario Science Centre

Karen Hager, Director, Science Engagement, Ontario Science Centre

Sabrina Greupner, Manager, Weston Family Innovation Centre, Ontario Science Centre

Sarah Chu, Digital Learning Specialist, Royal Ontario Museum

Susan Fohr, Education Programs Coordinator, Textile Museum of Canada

Lina Kim, Senior Services Specialist, Service Innovation, Toronto Public Library

Tracy Ross, Director of Network Membership, Actua, Actua Maker Mobile

Andy Forest, Co-Founder & Executive Director, STEAMLabs

Makerspaces exist in many forms and at their core are places of possibilities, bringing together people, parts, and potential. There is a growing diversity of makerspaces in all kinds of settings. This session will provide examples from across the spectrum, highlighting different types of makerspaces from temporary to permanent, mobile to stationary, simple and small to large well-appointed spaces. Participants will connect directly with Makerspace leaders who will share their experiences in designing and running a makerspace.

Digital Diaries: Competing for share of voice in the digital age

Collaborative Table Discussion

Friday, May 5 / 1:30 – 2:30 pm

Gemini East (G2)

Anna Relyea, Director, Strategic Communications, Ontario Science Centre

Tracy Calogheros, CEO, The Exploration Place

Roanne Argyle, Senior VP, Argyle Public Relationships

Sonya Davidson, Blogger/Influencer, @theculturepearl

The digital age has altered how businesses, including science centres, communicate and market their products. Social media channels have reintroduced the idea of paying to play. Faced with relatively small budgets, it is easier for communicators to reach consumers via social media. Looking at four different digital tactics tested by the Ontario Science Centre, this session will explore ways to catch consumers' attention while making the most of your budget as you compete for share of voice in the digital age.

Community Listening and Consultation

Panel – Ignite session

Friday, May 5 / 1:30 – 2:30 pm

Studio 2 (S2)

Jo-Ann Coggan, Director of Community Outreach, Science World British Columbia

Nicole Chiasson, Director of Education and Northern Programs, Science North

Michael Edwards, Director of Programming, Science East

What is community listening and why is it important? How can it help you gain a deeper understanding of your community, its underlying culture and social structure and how that will help you understand and address the community's needs? What makes a good community steering committee, why and when might you need one? Presenters will share their thoughts, what they did, why and what was learned. Challenges with community listening and consultation will be discussed.

Diversity: Not just for the ecosystem

Hands-on/Minds-on

Friday, May 5 / 1:30 – 2:30 pm

Gemini West (G1)

Merissa Scarlett, Manager, Public Programs, Saskatchewan Science Centre

Samantha Matters, Outreach, Telus World of Science, Edmonton

Pauline Finn, Vice President Community Engagement and Visitor Experience,

Science World British Columbia

What does diversity and inclusion look like in a science centre? How can we connect, engage and inspire all members of our communities? How can we enhance our own offerings as science centres and museums to create learning and inspirational opportunities for all? In this session we will be working through hands-on activities to encourage a safe and open discussion around diversity and inclusion. We will also be sharing 3 initiatives from Science World, Canucks Autism Network and the Vancouver Aquarium that show how identifying challenges and collaborating with community partners can lead to opportunities for increased accessibility for all members of our community.

Developing New Models for Public Engagement with Science and Technology

Panel

Friday, May 5 / 3:00 – 4:00 pm

Gemini West (G1)

Ana Klasnja, Senior Multi Media Producer, Ontario Science Centre

Lynda Mainwaring, PhD, Associate Professor, Faculty of Kinesiology and Physical Education,
University of Toronto

Christine Provvidenza, MSc., R.Kin, Knowledge Translation Specialist, Evidence to Care
and Concussion Centre, Holland Bloorview Kids Rehabilitation Hospital
Arrani Senthinathan, Researcher, Sinai Health System

Dr. Michael Hutchison, Director of the Concussion Program at the University of Toronto
Kevin Von Appen, Director, Science Communication, Ontario Science Centre

How can a science centre contribute to the dialogue about science and technology in society? How can we help prepare and mobilize all citizens for this dialogue? Passion is the key to solemn learning and involvement.

Sustainability and Climate Change Advocacy, Neutrality, and Everything in Between

Panel

Friday, May 5 / 3:00 – 4:00 pm

Studio 2 (S2)

Melanie Hall, Manager, Public Programs, TELUS Spark, Calgary

Jason Armstrong, Let's Talk Energy Coordinator, Canada Science and Technology Museum
Raluca Ellis, Program Director of the Climate & Urban Systems Partnership, The Franklin Institute

Mary Jane Conboy, Director of Science Content and Design, Ontario Science Centre
Gus Dassios, Designer, Ontario Science Centre

What role will science centres and museums have in the future in being advocates for progress in sustainability and climate change in their communities? We will explore a variety of strategies that our organizations have pursued, discuss why we chose these routes, confront lessons learned and discuss where our science centre and museum community, as trusted messengers of science, should head in the future. Are we moving towards models of advocacy, are we the conveners of discussion, are we the providers of a neutral and comfortable space and when do we decide to avoid a subject all together?

Has Your Science Centre Got Game? Video Games as Tools for Visitor Engagement

Panel

Friday, May 5 / 3:00 – 4:00 pm

Gemini East (G2)

Catherine M. Harris, Manager, Hosts, Ontario Science Centre

Renee Racicot, Manager, Museums Digital Projects, Canadian Science & Technology Museums Corporation
Kimberly Reynolds, Education and Interpretation Officer, Canada Aviation and Space Museum

Gain insight into how science centres and their partners can adapt and develop technology to create new and improved visitor experiences: achieve Yes We Can confidence with emerging technology.

Inspire Me!

Panel

Saturday, May 6 / 9:00 – 10:00 am

Gemini West (G1)

Rocio Navarro, Bilingual Science Educator, Ontario Science Centre

Martin Fischer, Science Educator, Ontario Science Centre

Casey Sakires, Coordinator of Science Education, Saskatchewan

This session will look at the various ways science centres can inspire visitors! We will be presenting three different approaches: (1) How do we use our networks and local partnerships so visitors can see and speak to individuals in science careers? (2) How can we inspire visitors to look beyond Reduce, Reuse and Recycle to Recover and Repurpose? And (3) How to transform wonder into understanding—using inquiry to encourage deep learning. Each presenter shows how science centres can provide opportunities for visitors to develop their own ideas, and how we can play a leading role within an inquiry based ecosystem.

Controversial Science Exhibitions: From Theory to Practice

Hands-on, Minds-on Exploration

Saturday, May 6 / 9:00 – 10:00 am

Gemini East (G2)

Erminia Pedretti, Professor of Science Education, Ontario Institute for Studies in Education, U of T

Ana Maria Navas Iannini, PhD Candidate, OISE, U of T

Daniel Atkinson, PhD, OISE, U of T

Vishnu Ramcharan Visitor and Community Engagement, Ontario Science Centre

In this session we share work from our research project that involves controversial science exhibitions in Canada and Brazil. Controversial science exhibitions represent an emergent trend in museums and science centres worldwide. They typically situate science and technology in a larger social, cultural and political context and call for different positions and points of view. Controversial exhibitions potentially open up spaces to think about, for example, how information is displayed, whose stories are told, what perspectives are privileged, and which communication approaches enhance visitors' engagement. Our proposed session will explore potential benefits, liabilities and overarching characteristics.

Building a Workplace of Lifelong Learning and Reflecting

Panel

Saturday, May 6 / 9:00 – 10:00 am

Studio 2 (S2)

Alex Chattwood, Science Facilitator, Science World British Columbia

Nina Nesseseth, Staff Scientists, Science North

Science centres promote lifelong learning in their visitors. How do we ensure the workforce embodies the values associated with lifelong learning and ensure best practices? We look at the successes and challenges associated with organizational decisions.

Structuring Exhibitions: The Great Islands vs Pathways Debate

Panel

Saturday, May 6 / 10:30 – 11:30 am

Gemini East (G2)

Jeremy Taylor, Content Director, GSM Project

Francois-Nicholas Pelletier, Head of Content, Montréal Science Centre

Rob Warren, Global Touring Manager, Science Gallery International

Katherine Ziff, Vice President, Content, TELUS Spark Calgary

Glenn Ogden, Creative Development Specialist, Canadian Museum of History

When it comes to laying out a new exhibition, two main schools of thought tend to dictate how this should work. Either there's a narrative thread that binds the exhibition together, creating a linear experience for the visitor with a beginning, middle, and end—pathways—or there isn't, and the experience is instead delivered through a series of independent experiences that can be visited in any order—*islands*. Are science centres necessarily “*island*” institutions? Are pathways a good approach? Is there a third alternative? Four speakers will share their experiences on this long-standing debate.

Immersive, Extended School Programs

Panel

Saturday, May 6 / 10:30 – 11:30 am

Studio 2 (S2)

Ashley Settingiano, TWOSE School Programs Specialist

TWOSE Science School, Site Coordinator

Morgane McDonald, Assistant Coordinator, Chevron Open Minds Science School, TELUS Spark Calgary

Lorrie Ann Smith, Director, Education, Ontario Science Centre

Several science centres have developed immersive programs that give schools the opportunity to visit for an extended period of time. Compare and contrast three models for offering immersive, extended school programs. The Ontario Science Centre Science School, TELUS Spark week-long program and TELUS World of Science—Edmonton week-long program. Learn about the goals, challenges and benefits.

Pocket Demonstration Speed Dating

Networking Session

Saturday, May 6 / 10:30 – 11:30 am

Gemini West (G1)

Brian Anderson, Director of Performance and Fun Times, Science World British Columbia

Michael Edwards, Director of Programming, Science East

Jennifer Bawden, Science Director TELUS World of Science Edmonton

From the smallest start up centre to the most established institution we are always looking for ways to engage more directly with our visitors. Hand held ‘pocket demonstrations’ provide a unique opportunity to connect with visitors, either by enhancing existing exhibits or creating mini performance spaces throughout the centre in a nimble and easy to prototype way.

Animal Encounters

Public Program

Saturday, May 6 / 10:30 am – 12:00 pm

Great Hall, Level 2

Join staff of the Live Exhibits Lab and learn about the Science Centre's live animals. You'll be invited to interact with animals from Ontario and around the world including snakes, turtles and tortoises. Special guest John Dedes from Entomica will also bring some of his favourite insects!

Festival Start Up Café

Café

Saturday, May 6 / 12:45 – 1:45 pm

Gemini West (G1)

Tammy Matheson, Program Director, Community Scientist Initiative, Science World British Columbia

Jasmine Palardy, Director of Programs and Partnerships, Beakerhead, Calgary

Michael Edwards, Director of Strategic Initiatives and Exhibits, Science East

Julie Fisowich, Director of Learning and Exhibit Development, Saskatchewan Science Centre

Participants will learn strategies for starting a science festival. Gain an understanding of how to develop partnerships and programs for a successful community event and connect with experienced festival organizers.

Communicating without Text

Hands-on, Minds-on Exploration

Saturday, May 6 / 12:45 – 1:45 pm

Gemini East (G2)

Erika Keisner, Interactive Designer, GSM Project

Walter Stoddard, Researcher-Programmer, Ontario Science Centre

Amanda Conlon, Executive Director, London Children's Museum

Katherine Ziff, Vice President, Content, TELUS Spark Calgary

Call to action, probing questions, fun facts, explanatory text, all rely on visitors reading our words. How do we communicate with visitors who cannot read; who do not read the languages we write in; or who simply do not want to read in the museum? In this hands-on session we will hear from professionals who have tackled this question, then build on their knowledge by trying out our own wordless prototypes on each other to explore some possibilities.

Innovation through Creative Educational Partnerships

Café

Saturday, May 6 / 12:45 – 1:45 pm

Telus Room (T)

Lorrie Ann Smith, Director, Education, Ontario Science Centre

Wendy Ng, Manager, Learning, Royal Ontario Museum

Sarah Febbraro, Coordinator, Youth, Art Gallery of Ontario

Siobhan Boyd, Senior Manager, Education, Gardiner Museum

Participants will learn how three public institutions have worked collaboratively with partners to leverage educational programming initiatives, and achieve shared goals that are rooted in a greater purpose. These goals include social justice, community-based issues, inclusion, reconciliation, and learning for the 21st century.

Is Virtual Reality ready for the science centre floor?

Panel

Saturday, May 6 / 4:00 – 5:00 pm

Studio 2 (S2)

Joseph Wilson, Director, Business Development, Spongelab Interactive

Sandy Baumgartner, CEO, Saskatchewan Science Centre

Martin Timusk, Director of IT Applications and Systems, Ontario Science Centre

Kevin Von Appen, Director, Science Communication, Ontario Science Centre

Neil Schneider, Executive Director, Immersive Technology Alliance

Learn about the latest in VR technology and its application to science centre exhibit programming. The drawbacks that hamper attempts at integrating VR to the museum floor and how two science centres in Canada are evaluating VR products for inclusion in their exhibit space.

Once upon a time ... the power of narrative: Super-Charged Scientific Engagement Through Story

Panel

Saturday, May 6 / 4:00 – 5:00 pm

Gemini East (G2)

Karen Hager, Director, Science Engagement, Ontario Science Centre

David Gershon, Chair, Education Arts Canada

Brian Anderson, Director of Performance and Fun Times, Science World, BC

Ryan Gladstone, Founder & Artistic Director, Monster Theatre

There are many different kinds of learners. Science Centres have done a good job of addressing this with ever increasing use of multi-media, interactive displays, and multi-sensory technological wizardry yet one tool has remained untouched...Story. Case studies from two different science centres will be discussed and participants will try their hand at creating a narrative to share with the room.

Enhancing Canada's Science Culture

Café

Saturday, May 6 / 4:00 – 5:00 pm

Gemini West (G1)

Kirsten Vanstone, Executive Director, Royal Canadian Institute for Science

Prof. John Percy, Professor Emeritus, Astronomy and Astrophysics UofT, Science Education OISE

Ivan Semeniuk, Science Reporter, *The Globe and Mail*

Sandra Corbeil, Director of Strategic Partnerships and Networks at the Canada Science and Technology Museums Corporation

RCI Science hosts a panel discussion with a scientist and science communicators about the state of science culture in Canada and how to enhance it. This is part of a proposed national discussion that will involve amateur science organizations, youth and Aboriginal Peoples. Our goal is to write a white paper outlining how the various groups with a stake in science can work together to ensure that Canada remains a good place to do science.

CASC 2017

Tradeshow Exhibitors

Canada Science & Technology Museums Corporation	Maren Hackett	mhackett@techno-science.ca
Eos Lightmedia	Douglas Welch	doug@eoslightmedia.com
Evans & Sutherland	David Sasich	dsasich@es.com
Everbright by Hero Design	Kelly Parkinson	kp@hero-design.com
Imagine Exhibitions	Karina Reid	kreid@imagineexhibitions.com
Logics Academy	Ramy Ghattas	ramy@logicsacademy.com
MIGHTYmacro	Doug Angus-Lee	doug@mightymacro.com
Minotaur Mazes	Kelly Fernandi	kelly@minotaurmazes.com
Musée de la nature et des sciences de Sherbrooke	Manon Lebeau	marie-claude.letarte@naturesciences.qc.ca
NSERC	José-Manuel Gil	jose-manuel.gil@nserc-crsng.gc.ca
Ontario Science Centre	Riaz Charania	riaz.charania@osc.on.ca
Pathfinders Design and Technology	Derek Wulff	derekwulff@shaw.ca
Realisations inc. Montreal	Ron Morissette	info@realisations.net
Science North	Audrey Dugas	dugas@sciencenorth.ca
Sky-Skan, Inc.	Martin Ratcliffe	ratcliffe@skyskan.com
Spongelab Interactive	Joseph Wilson	joseph.wilson@spongelab.com
Tessitura Network	David Ellis	thennegan@tessituranetwork.ca
THEMUSEUM	Brent Wettlaufer	andrea.jimenez@themuseum.ca
Vancouver Aquarium & Marine Science Centre	Dolf DeJong	dolf.dejong@vanaqua.org



See you at
The Exploration Place
in 2018.

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