

# SERG/GRÉS News

## Looking forward to CSSE 2018!

Dear SERG friends and members,

It is with great enthusiasm that we look forward to the next gathering of the Science Education Research Group (SERG) at the Canadian Society for the Study of Education (CSSE) conference in Regina. As usual we have planned a packed and engaging set of sessions that bring together scholars from across Canada and from international locations. You will find the SERG conference schedule on pages 6-9 of this newsletter. Please make a note of the keynote presentation by Professor Karen Goodnough on Sunday, May 27 at 9:45 am and the Annual General Meeting (AGM) on Monday, May 28 at 11:15 am. The annual SERG dinner will also be held Monday the 28th @ 6:30 in Crave Kitchen + Wine Bar (1925 Victoria Avenue; <http://www.cravekwb.com/bar>). We hope to see you all there!

See you soon in Regina!

Sincerely,

Todd Milford, Michael-Ann (Mickie) Noble, Allison Gonsalves, Michel T. Léger, Natacha Louis, Latika Raisinghani, Dawn Wiseman, and Christine Tippett

## Nous avons hâte de vous retrouver au SCÉÉ 2018!

Chers amis et membres du GRÉS,

C'est avec beaucoup d'enthousiasme que nous attendons la prochaine rencontre du *Groupe de recherche en éducation des sciences* (GRÉS) lors de la conférence de la *Société canadienne pour les études en éducation* (SCÉÉ) à Regina. Comme toujours, nous avons prévu une séquence de sessions animées et captivantes, rassemblant des spécialistes de partout au Canada et d'ailleurs. Vous trouverez l'horaire de la conférence du GRÉS aux pages 6 à 9 du présent bulletin. Veuillez prendre note du discours de Professeur Karen Goodnough, dimanche 27 mai à 9h 45. Notez aussi la date de la *Réunion annuelle générale*, soit lundi 28 mai à 11h15. Après la réunion annuelle, nous nous rassemblons pour le souper GRÉS au Crave Kitchen + Wine Bar à partir de 18h30 (1925 Victoria Avenue; <http://www.cravekwb.com/bar>). Nous espérons vous voir en grand nombre!

Au plaisir de vous voir bientôt à Regina!

Cordialement,

Todd Milford, Michael-Anne (Mickie) Noble, Allison Gonsalves, Michel T. Léger, Natacha Louis, Latika Raisinghani, Dawn Wiseman, and Christine Tippett

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# SERG/GRÉS

## SERG President's Message

Dear SERG/GRÉS community,

It has been an honor and privilege to serve as president of SERG/GRÉS for 2017/2018. Our community is an active and vibrant one, conference submissions for CSSE in Regina - although lower than recent years - are solid, and our membership figures remain strong and consistent.

I would like to take this opportunity to thank the members of the executive committee for their commitment and tireless effort over the year. Without their support and guidance, SERG/GRÉS would not continue to be the positive organization that it is. **Michael-Anne (Mickie) Noble** serves as Conference Program Chair and Vice President. She seamlessly and independently managed the intricacies of the conference submissions and planning. **Allison Gonsalves** serves as Secretary, bringing you the newsletter and keeping us all aware of what is going on in the community. **Michel Léger** continues to serve as our Francophone Representative, with the important role of supporting our efforts for linguistic diversity in our community. **Ellen Watson** joined **Latika Raisinghani** in the role of Graduate Student Representatives this year. Their voices are important additions to the SERG/GRÉS executive. Additionally, **Dawn Wiseman** continues to support us all in her role as Communications Officer. Lastly, special thanks go to our Past President **Christine Tippett** who continues to support the executive team. Her guidance is recognized and very much appreciated.

We will be continuing with some of the recent initiatives at the conference this year in Regina. For example, Dr Karen Goodnough (Memorial University Newfoundland) will be delivering the SERG/GRÉS 2018 keynote this year and will focus on the nature of continuous professional learning (CPL) for teachers of science and science teacher educators. Dr. Goodnough will look retrospectively at her career, examining the trajectory of her research program with a particular emphasis on her recent work with K-9 teachers in STEM.

For an update on other developments of the past year and to help us elect our new executive members, I encourage all SERG/GRÉS members and interested friends to attend the SERG/GRÉS AGM on Monday May 28 at 11:15 am. Please review the minutes of our last meeting on the SERG/GRÉS website ([www.sergcanada.ca](http://www.sergcanada.ca)). At the AGM, we will be formally congratulating the winners of this year's SERG Awards. I am pleased to announce that the winner of the SERG Dissertation/Thesis Award is **Ana Maria Navas-Iannini (University of Toronto; Ontario Institute for Studies in Education (OISE))** for her dissertation *Public engagement with critical exhibitions: Insights from a Brazilian and a Canadian science museum*. The winner of the graduate student paper award is **Josefina Rueter Veiga (York University)** for her paper *Climate change education in Nunavut*. Please join us to recognize the accomplishments of our junior colleagues.

After the AGM, we hope that everyone will join us for the annual SERG/GRÉS dinner at **Crave Kitchen and Wine Bar** (1925 Victoria Avenue; <http://www.cravekwb.com/bar>)

As I end this message, a big thank you goes to those who submitted papers and award applications to SERG/GRÉS this year as well as those of you who reviewed the many submissions. Special thanks go to the dissertation award adjudication committee: Xavier Faxio, Tim Molnar, Guiliano Reis, and George Zhou. Finally, if I do not have the opportunity to thank you in person, allow me to take this opportunity to thank you for your continued involvement with and support of the SERG/GRÉS community.

Todd Milford, President



### CSSE Annual Conference 2018 University of Regina, Saskatchewan 26- 30 May 2018

The CSSE Annual Conference is held in conjunction with the Congress of the Humanities and Social Sciences. This bilingual conference provides an opportunity for discussion of educational issues among practitioners and educational scholars from across the nation.

### SERG Conference Welcome

This year, for the annual meeting of the Science Education Research Group at CSSE, we are meeting at the University of Regina with our SERG paper, poster, and roundtable sessions held Sunday to Tuesday (May 27 to 29, 2018). Regina has been the capital of Saskatchewan since 1906 (Saskatchewan entered confederation in 1905). Originally known as “Pile of Bones”, it was renamed for Queen Victoria in 1882. Wascana Center with its focal point of Wascana Lake is the site of the Provincial Legislature building, the University of Regina, the First Nations University of Canada, the Royal Saskatchewan Museum, the Saskatchewan Science Center, the MacKenzie Art Gallery and the Saskatchewan Center of the Arts as well as numerous scenic walking paths. Regina is home to the Saskatchewan Roughriders football team – and some of the most dedicated fans in Canada. Another site to see is the RCMP heritage center – a great place to learn about the history of RCMP.

Thank you to all who submitted proposals this year and even bigger thanks to volunteers who reviewed those proposals for the SERG sessions at CSSE 2018. We were able to include 34 submissions in the program. The range of topics is extensive, as always, representing the depth and breadth offered by the local and international members of the Canadian science education research community. We would love to see everyone there, even if you aren't presenting at SERG, come and join us as we discuss our work in a collegial and supportive environment.

This year's keynote presentation will be given on Sunday, May 27 at 9:45 am, immediately preceding the SERG poster presentations. Dr. Karen Goodnough (Memorial) will be sharing her ideas in her talk *Continuous Professional Learning (CPL): Shifting the paradigm in science education*. More details can be found later in this newsletter.

As usual, we have planned an annual dinner and all SERG members and guests are most welcome. We've made reservations for Monday, May 28, 2018 at 6:30 pm at Crave (1925 Victoria Ave; <http://www.cravekwb.com/>). Crave is a ten-minute drive from the University of Regina. We hope to see lots of graduate students as well as other members of SERG at the dinner – it's a great time to meet new people and talk to old friends and colleagues. Please RSVP to [Mickie.noble@royalroads.ca](mailto:Mickie.noble@royalroads.ca).

Looking forward to seeing you in Regina!

Mickie Noble

Grad student get together Monday, May 28 @ 4:30 (just before the SERG dinner). Come and meet your peers! Contact the SERG grad student representatives Ellen Watson ([ellen.watson@ualberta.ca](mailto:ellen.watson@ualberta.ca)) or Latika Raisinghani ([latikarai@hotmail.com](mailto:latikarai@hotmail.com)) for more information.

**SERG Annual General Meeting / Assemblée Générale Annuelle du GRÉS**

Monday, May 28th / Lundi 28 mai

11:15 am – 12:15 pm / 11h15 – 12h15

**Agenda**

1. Approval of Agenda
2. Approval of Minutes of 2017 AGM
3. Reports
  - a. President: Todd Milford
    - i. Budget and membership
    - ii. Presentation of awards and travel bursaries
  - b. Vice-President/Conference Program Chair: Mickie Noble
  - c. Secretary: Allison Gonsalves
  - d. Francophone Representative: Michel Léger
  - e. Graduate Student Representatives: Natacha Louis and Latika Raisinghani
  - f. Communications Officer: Dawn Wiseman
4. Nominations and Elections
  - a. President: Mickie Noble
  - b. Vice President:
  - c. Secretary:
  - d. Graduate Student Representative: Ellen Watson
  - e. Past President: Todd Milford
5. Business arising from 2017 AGM
6. New Business
7. Motion to Adjourn

**Ordre du jour**

1. Adoption de l'ordre du jour
2. Adoption du procès-verbal de l'Assemblée Générale Annuelle 2016
3. Rapports
  - a. Présidente: Todd Milford
    - i. Budget et adhésion
    - ii. Présentation des lauréats et des bourses de voyage
  - b. Vice-Président/Responsable à la programmation-Conférence : Mickie Noble
  - c. Secrétaire: Allison Gonsalves
  - d. Représentant francophone: Michel Léger
  - e. Représentants étudiants gradués: Natacha Louis and Latika Raisinghani
  - f. Responsable aux communications: Dawn Wiseman
    - i. Nouveau URL
4. Nominations et élections
  - a. Président: Mickie Noble
  - b. Vice Président:
  - c. Secrétaire:
  - d. Représentants étudiants gradués: Ellen Watson
  - e. Président sortant: Todd Milford
5. Affaires émergeantes de la Réunion annuelle générale 2017
6. Nouvelles affaires
7. Motion d'ajournement

## 2018 Keynote Address

### Continuous Professional Learning (CPL): Shifting the Paradigm in Science Education



Dr. Karen Goodnough is a professor of science education/teacher education in the Faculty of Education at Memorial University of Newfoundland (MUN), St. John's. During her 32-year career as an educator, she was a high school science teacher for five years, worked in the community college system for three years, and then became a consultant/teacher in the area of gifted education. After completing her doctorate degree at the Ontario Institute for Studies in Education of the University of Toronto in 2000, she became an assistant professor at the University of Rochester. In 2002, she became an associate professor at University of New Brunswick and since 2004, she has been a faculty member at MUN. She has served as an associate dean (2008-2012), was a Chair in Teaching and Learning (2015-2017), and recently received the President's Award for Outstanding Research (MUN).

The keynote address will focus on the nature of continuous professional learning (CPL) for teachers of science and science teacher educators. Dr. Goodnough will look retrospectively at her career, examining the trajectory of her research program with a particular emphasis on her recent work with K-9 teachers in STEM (see [www.mun.ca/tia](http://www.mun.ca/tia)) and faculty who are engaging in self-study. This session will also highlight the successes, tensions, and contextual factors that impact the professional learning of teachers and science teacher educators.

#### **Graduate Student Travel Bursaries**

SERG will be awarding two graduate student travel bursaries this year. One bursary will be designated for a student who is attending SERG for the first time, while the other will be available to any graduate student member of SERG. The bursaries will cover registration fees for CSSE and Congress. All attendees who are graduate members of SERG are eligible for the travel bursary whether they are presenting at the conference or not. Students may self-nominate by **May 21, 2018**, using the form available at

[https://docs.google.com/forms/d/1Tgj5ZM\\_jyu64ZlwvtBmRLrcoG7tkn1JBSUQ8s8edjKo/viewform](https://docs.google.com/forms/d/1Tgj5ZM_jyu64ZlwvtBmRLrcoG7tkn1JBSUQ8s8edjKo/viewform)

**Recipients will be randomly selected at the SERG AGM. Winners must be present.**

Note: An individual may only receive a paper award or the travel bursary in any given year.

#### **Bourses de voyage pour étudiants gradués**

Cette année, le GRÉS offrira deux bourses de voyage à des étudiants gradués. Une première bourse sera décernée à un étudiant participant pour la première fois à la conférence du GRÉS. Une deuxième bourse sera offerte à un étudiant gradué membre du GRÉS. Ces bourses couvriront les frais d'inscription pour la SCÉÉ ainsi que pour le Congrès. Tous les étudiants gradués membres du GRÉS qui assistent ou qui présentent à la conférence sont éligibles pour la bourse de voyage. Pour toutes candidatures, veuillez remplir le formulaire suivant au plus tard, le **21 mai 2018**

[https://docs.google.com/forms/d/1Tgj5ZM\\_jyu64ZlwvtBmRLrcoG7tkn1JBSUQ8s8edjKo/viewform](https://docs.google.com/forms/d/1Tgj5ZM_jyu64ZlwvtBmRLrcoG7tkn1JBSUQ8s8edjKo/viewform)

**Les récipiendaires seront sélectionnés au hasard lors de la réunion annuelle générale du GRÉS. Les gagnants devront être présents.**

NB: Un individu ne peut recevoir qu'un seul prix au cours d'une année donnée.

## SERG Sessions at CSSE: May 27 – May 29, 2018

Sunday 27 May / Le dimanche 29 mai	
<p><b>Sunday / Le dimanche</b> 27 May / 27 mai</p> <p><b>Session / Séance</b> 2.13</p> <p>9:45 – 11:00 am / 9 h 45 – 11 h 00</p> <p><b>Keynote and Posters / Discours d'ouverture et Affiches</b></p>	<p><b>Keynote / Discours d'ouverture:</b></p> <p>Continuous Professional Learning (CPL): Shifting the Paradigm in Science Education <i>Dr. Karen Goodnough (Memorial)</i></p> <hr style="border: 1px solid #0070C0;"/> <p><b>Posters / Affiches:</b></p> <p>Self-in-practice: Moving from an Epistemological to an Ontological Understanding. <i>Poh Tan (Simon Fraser)</i></p> <p>STS[E] 'Currents' in a Selection of Tenth-Grade Canadian Science Curriculum Documents <i>Christina Phillips (OISE-UT)</i></p> <p>Playing With Numbers: Attitudes Toward Mathematics: the Backbone of all Sciences <i>Peter MacMillan (UNBC), Jean Bowen</i></p>
<p><b>Session / Séance</b> 3.14</p> <p>11:15 – 12:15 pm 11 h 15 – 12 h 15</p> <p><b>Multi-paper / Plusieurs communications</b></p>	<p><b>Indigenous Teaching &amp; Learning / Enseignement et apprentissage autochtone</b></p> <p>Integrating Aboriginal Knowledges in Science: Conundrums in Canadian Teachers' Perspectives <i>Latika Raisinghani (UBC), Samson Nashon (UBC)</i></p> <p>Acts of living with: Being, Doing, and Coming to Understand Indigenous Perspectives alongside Science Curricula <i>Dawn Wiseman (McGill)</i></p> <p>Reconceptualizing Inquiry-Based Approaches to Science Education: The Potential of First Peoples Pedagogies <i>Eun-Ji Kim (McGill), David Blades (Victoria)</i></p>
<p>12:15 – 1:15 pm / 12 h 15 – 13 h 15</p>	<p><b>LUNCH / DÉJEUNER</b></p>
<p><b>Session/Séance 5.15</b></p> <p>1:30 – 2:45 pm / 13 h 30 – 14 h 45</p> <p><b>Room/Salle</b> ED 311</p> <p><b>Multi-paper / Plusieurs communications</b></p>	<p><b>Science Teaching Development/Identity</b></p> <p>Investigating Elementary Pre-service Teachers' Development of Science Teaching Identity: The Case from Canada and USA <i>Saiqa Azam (Memorial), Deepika Menon (Towson)</i></p> <p>Science Teachers' Procedural Metacognitive Knowledge: Initial Investigations <i>Thomas Greg (Alberta)</i></p> <p>Eliciting Science Teachers' Perspectives about Intensive Professional Development Program in Engineering Design Science Instruction <i>Ahmad Qablan (Jordan, Alberta)</i></p> <p>Epistemic Profiles and Development of Science Educators in an Alberta School District <i>Ellen Watson (Alberta), Christa King (Alberta)</i></p>

<p><b>Sunday / Le dimanche</b> 27 May / 27 mai</p> <p><b>Session/Séance 6.14</b></p> <p>3:00 – 4:15 pm / 15 h 00 – 16 h 15</p> <p><b>Room/Salle</b> ED 311</p> <p><b>Multi-paper / Plusieurs communications</b></p>	<p><b>Student Inquiry &amp; Discourse / Discours et enquête d'apprenants</b></p> <p>Praxis of Genetics Teaching for Support of Student Inquiry: A 10-year Autoethnographic Examination <i>Patrick Wells (Memorial)</i></p> <p>Threshold Concepts: Why Learning Electricity in Science is Problematic? <i>Gerald Tembrevilla (UBC)</i></p> <p>Creating Opportunities for More Equitable Teacher-Student Contributions to Classroom Discourse <i>Carol Rees (Thompson Rivers)</i></p> <p>Emotion and Learning Stories <i>Astrid Steele (Nipissing), Jeff Scott (Nipissing)</i></p>
<p><b>Session/Séance 7.1</b></p> <p>4:30 – 5:45 pm / 16 h 30 – 17 h 45</p> <p><b>Room/Salle</b> EA 106</p>	<p><b>CSSE-SCÉÉ Plenary: Marie Battiste (Saskatchewan)</b></p>

**Monday 28 May / Le lundi 28 mai**

<p><b>Monday / Le lundi</b> 28 May / 28 mai</p> <p><b>Session/Séance 9.1</b></p> <p>9:45 – 11:00 am / 9 h 45 – 11 h 00</p> <p><b>Room/Salle</b> RC 128.1</p>	<p>CCGSE-CCÉÉCSÉ Posters / Affiches</p> <p>CCGSE-CCÉÉCSÉ Roundtables/Tables rondes</p>
<p><b>Session/Séance 10.19</b></p> <p>11:15 am – 12:15 pm / 11 h 15 – 12 h 15</p> <p><b>Room/Salle</b> ED 230</p>	<p align="center"><b>SERG-GRÉS AGM</b></p>
<p>12:15 – 1:15 pm / 12 h 15 – 13 h 15</p>	<p align="center"><b>LUNCH / DÉJEUNER CACS AGM / AGA ACÉC</b></p>
<p><b>Session/Séance 12.17</b></p> <p>1:30 – 2:45 pm / 13 h 30 – 14 h 45</p> <p><b>Room/Salle</b> ED 230</p> <p><b>Multi-paper / Plusieurs communications</b></p>	<p><b>Perspectives on Science / Perspectives en sciences</b></p> <p>Towards Understanding Audience Perspectives on Science as Influenced by Non-Science Sitcoms <i>G. Michael Bowen (MSVU), Todd Milford (Victoria), Christine Tippett (Ottawa)</i></p> <p>Visitors' Engagement with a Science Centre Exhibition about Sustainability <i>Daniel Atkinson (OISE-UT), Ana Navas Iannini (OISE-UT), Erminia Pedretti (OISE-UT)</i></p> <p>Adult Students' Memories of Learning in School and Non-school Contexts: Implications for Science Pedagogy <i>Darlee Gerrard (OISE-UT), Wanja Gitari (Toronto)</i></p> <p>Training Science Education Socioactivism Agents with Learn-By-Doing Playful Practices: A Brazilian Initiative <i>LuÂs Paulo Piassi (Sao Paulo), Giuliano Reis (Ottawa)</i></p>

<p><b>Monday / lundi</b> <b>28 May / le 28 mai</b></p> <p><b>Session/Séance 13.16</b></p> <p><b>3:00 – 4:15 pm /</b> <b>15 h 00 – 16 h 15</b></p> <p><b>Room/Salle</b> <b>ED 230</b></p> <p><b>Multi-paper /</b> <b>Plusieurs</b> <b>communications</b></p>	<p><b>STEM / STIM</b></p> <p>Cross Border Shopping: Analysis of STEM Teaching Resources from Alberta, British Columbia and Ontario, Canada <i>Darren Hoeg (Alberta)</i></p> <p>Two Models for Critical STEM Education <i>Gabriela Alonso-Yanez (Calgary), Kurt Thumlert (York)</i></p> <p>Embodying Meanings: A College Instructor's Reflections on his Life History and his Practices on STSE Issues <i>Sarah El Halwany (OISE-UT), Larry Bencze, Nurul Hassan, Kristen Schaffer, Minja Milanovic, Majd Zouda</i></p> <p>Female Under-representation in STEM Subjects: A Study of Chinese High School Students <i>George Zhou (Windsor), Lizhi He (Windsor)</i></p>
<p><b>4:30 – 5:15 pm /</b> <b>16 h 30 – 17 h 15</b></p> <p><b>Grad Student Get-together – Location TBA</b> <b>Rassemblement des étudiants de 2e et 3e cycles – Lieu à déterminer</b></p>	
<p><b>SERG- Dinner / Souper GRÉS : Crave Kitchen &amp; Wine Bar</b></p> <p><b>6:30 pm - late! /</b> <b>18 h 30 - tard!</b></p> <p>1925 Victoria Avenue Regina, S4P 0R3 (306) 525-8777</p>	
<p><b>Tuesday 29 May / Le mardi 29 mai</b></p>	
<p><b>Tuesday / mardi</b> <b>29 May / le 29 mai</b></p> <p><b>Session/Séance 16.13</b></p> <p><b>9:45 – 11:00 am /</b> <b>9 h 45 – 11 h 00</b></p> <p><b>Room/Salle</b> <b>ED 230</b></p> <p><b>Multi-paper /</b> <b>Plusieurs</b> <b>communications</b></p>	<p><b>Digital Teaching &amp; Inquiry / Enseignement enquête numérique</b></p> <p>Digital Hygiene: Exploration of University Students' View of Cybersecurity <i>Alena Kottova (Victoria)</i></p> <p>Undergraduate Science Learners' Approaches to Problem-Based Learning Online Discussions <i>Michael-Anne Noble (Royal Roads)</i></p> <p>Examining the Development of Elementary Teachers' Pedagogical Content Knowledge (PCK) Through the Adoption of Drone Technology <i>Karen Goodnough (Memorial), Saiqa Azam (Memorial), Patrick Wells (Memorial)</i></p> <p>Children's Experiences of Learning Mathematics and Spatial Reasoning when Programming Robotic <i>Krista Francis (Calgary), Stefan Rothschuh (Calgary), Brent Davis (Calgary), Rohan Karpe (Calgary)</i></p>
<p><b>Session/Séance 17.13</b></p> <p><b>11:15 am – 12:15 pm /</b> <b>11 h 15 – 12 h 15</b></p> <p><b>Room/Salle</b> <b>ED 230</b></p> <p><b>Roundtables /</b> <b>Tables rondes</b></p>	<p><b>Grad Student Round Table / Table ronde des étudiants de 2e et 3e cycles</b></p> <p>In Search of Student Engagement in High School Physics Through Contextual Teaching: The History of The Electric Guitar <i>Michael Lukie (Winnipeg)</i></p> <p>The Beliefs and Attitudes of Experienced Early Childhood Educators toward Early Math and Science Education <i>Roxana Yanez-Gonzalez (Ottawa)</i></p> <p>Climate Change Education in Nunavut <i>Josefina Rueter (York)</i></p> <p>Influence des réseaux sociaux sur l'adoption de comportements écoénergétiques dans un contexte familial urbain <i>Shawn Martin (Moncton)</i></p>



12:15 – 1:15 pm / 12 h 15 – 13 h 15	LUNCH / CSSE AGM PETIT DÉJEUNER / AGA SCÉÉ
<p><b>Session/Séance 19.17</b></p> <p><b>1:30 – 2:45 pm / 13 h 30 – 14 h 45</b></p> <p><b>Room/Salle ED 230</b></p> <p><b>Multi-paper / Plusieurs communications</b></p>	<p><b>Community Based Science / Science communautaire</b></p> <p>Crossing Cultural Borders in Science: Impact of Community Based Learning <i>Virendra Verma (College of Micronesia), Latika Raisinghani (UBC)</i></p> <p>Developing An Improved Outdoor Learning Environment For Elementary School Children's Science and Environmental Education <i>Elizabeth Beattie (UBC), Sandra Scott (UBC)</i></p> <p>Coding in the Community: Children, Families and Communities Becoming Creators <i>Shaunda Wood (St. Thomas University)</i></p> <p>Science Students' Network-informed Power Analyses and Socio-political Actions <i>John Bencze (OISE-UT), Chantal Pouliot (Laval)</i></p>
<p><b>Session/Séance 20.1.5</b></p> <p><b>3:00 – 4:15 pm / 15 h 00 – 16 h 15</b></p> <p><b>Room / Salle ED 230</b></p>	<p><b>Let's Talk Science / Parlons science</b></p> <p>Canada 2067 – Building a national vision for STEM learning</p> <p>Let's Talk Science invite you to participate in an important conversation about the future of STEM education in Canada. Canada 2067 is an ambitious initiative to develop a national vision and goals for youth STEM learning. Significant and scalable changes to STEM learning can be achieved by aligning efforts towards shared goals that support all children and youth in Canada.</p> <p>A draft framework has been developed that builds on research into global policy, broad-based public input, five youth summits, consultation with millennials and a national leadership conference. It calls for action by diverse stakeholders including students, educators, parents, community organizations, industry and all levels of governments.</p> <p>In this session, participants will learn about the initiative and discuss the inherent challenges of catalyzing education change in Canada. Participants will also have an opportunity to review the framework and provide feedback that will be incorporated into the final version of the Canada 2067 framework.</p> <p>The current draft of the Canada 2067 framework can be accessed at <a href="https://canada2067.ca/app/uploads/2017/12/Canada-2067-STEM-Learning-Framework.pdf">https://canada2067.ca/app/uploads/2017/12/Canada-2067-STEM-Learning-Framework.pdf</a></p>

Please check your membership details for this year! If they do not include SERG as a Special Interest Group, please contact Barb Ford at [mmb\\_services@csse.ca](mailto:mmb_services@csse.ca) so that she can make the necessary changes.

