



ISSP NEWS

JANUARY 2020

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UPCOMING EVENTS



Workshop: Inclusive Innovation - Perspectives and Practices

**February 24, from 8:45 AM to 12:45 PM
DMS 12102**

Register now

PAST EVENTS



Presentation: What you may not know about China's innovation system



Talk: A Melting Arctic - Implications of sea-ice loss on governing the Arctic



Panel: How do we know it's true? Can we mobilize all forms of knowledge?

MEMBER SPOTLIGHT



Catherine Mavriplis is an ISSP Faculty Affiliate, Full Professor of Mechanical Engineering at the

University of Ottawa and holds the **NSERC Chair for Women in Science and Engineering** since 2011, a program that aims to recruit, retain and advance women to leadership. Her specialty is numerical methods for aerodynamics simulations. She has been awarded the Elsie MacGill Northern Lights Award for Education.

Dr. Mavriplis holds a Bachelor's of Mechanical Engineering from McGill, as well as a Master's and Ph.D. in Aeronautics from Massachusetts Institute of Technology. After a postdoctoral stay at Princeton, she became professor of mechanical and aerospace engineering at George Washington University. She has also worked at the US National Science Foundation, NASA Langley and University of Oklahoma before returning to Canada. Dr. Mavriplis has been President of the Computational Fluid Dynamics Society of Canada and a Councillor of the Canadian Aeronautics and Space Institute.

Her research fields of interest are numerical methods for fluid dynamics and interdisciplinary applications: biofluids, combustion, MEMS and meteorology; aerospace engineering, including aerodynamics, transition and receptivity; high order methods and adaptivity and advancement of women in science, engineering and mathematics careers.

Contact Professor Catherine Mavriplis

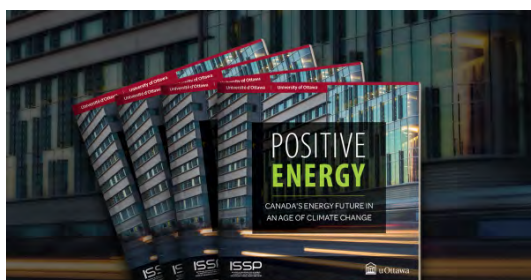
ISSP RESEARCH CLUSTERS

The ISSP has six Research and Engagement Clusters to enable the ISSP to leverage its strengths, realize synergies, secure larger tri-council grants and other sources of external funding, and expand ISSP networks and reputation within and beyond the University.

- **Arctic Change**
- **Artificial Intelligence and Robotics**
- **Energy**
- **Inclusive Innovation**
- **Risk, Technology and Security**
- **Science Advice**



POSITIVE ENERGY

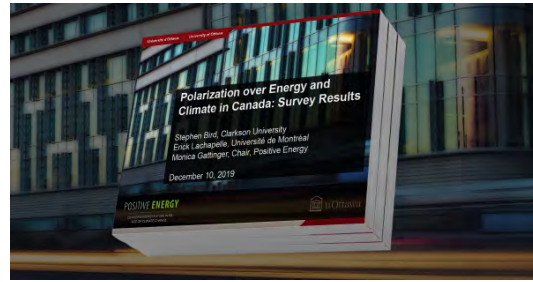


Positive Energy uses the convening power of the university to bring together academic researchers and senior decision-makers from industry, government, Indigenous communities, local communities and environmental organizations to determine how to strengthen public confidence in

energy decision-making.

[Read the brochure](#)

The results of our new survey distinguish between fragmented opinion, where public opinion is split but views are not strongly held, and polarized opinion, where public opinion is both split and concentrated at the extremes. The survey was conducted by Positive Energy Faculty Members Stephen Bird and Erick Lachapelle.



[Read the results](#)

Do you want to know more about Positive Energy?

[Subscribe to our newsletter!](#)

THE ISSP PODCAST



The ISSP is pleased to unveil Disruption Discovered, a new weekly podcast about the forces that are reshaping the 21st century, brought to life through accessible discussions with members of the Institute.

[Listen to the trailer](#)

THE ISSP MASTER'S



September 2019 marks the fifth year the **ISSP Collaborative Master's program** is being offered, with eleven participating departments and faculties. We've continued to experience a steady rise in the number of inquiries from students and faculty members alike about the admission criteria and program requirements. To be accepted into the Collaborative Master's program, students must be admitted to one of the participating programs at the University of Ottawa.

To learn more, please contact **Professor Dan Paré**, the program coordinator.

THE NEW MEMBERS OF THE ISSP ADVISORY COMMITTEE



Kimberly Girling
Research and Policy Director
Evidence for Democracy

Brenda Kenny
Chair
Alberta Innovates



Martine Lagacé
Associate Vice-President, Research, Promotion and
Development, uOttawa
Full Professor, Comm., Faculty of Arts

Teresa Marques
President and CEO
Rideau Hall Foundation



Tosh Southwick
Associate Vice-President
Indigenous Engagement and Reconciliation
First Nations Initiatives
Yukon College

Christina Tessier

President and CEO of Ingenium - Canada's
Museums of Science and Innovation



MEMBER ACTIVITIES



Professor Jackie Dawson, Core Member of the ISSP and Leader of the Arctic Change Research Cluster, commented extensively in the media about Arctic shipping.

- **Companies are pledging to avoid Arctic shipping routes. Some residents say that's not necessary** (The Toronto Star)
- **Research team injects Inuit views into Ottawa's plan for safe Arctic shipping** (The Nunatsiak News)
- **Arctic Change Research Cluster**
- **Contact Professor Jackie Dawson**

Rafael Dezordi, Communications and Outreach Specialist for the ISSP, gave a presentation on Social Media and Event Planning, at the Workshop Series on Data Science, which is organized by Professor Sandra Schillo, Core Member and Co-leader of the ISSP Inclusive Innovation Research Cluster.

- **Social Media and Event Planning** (PDF file)
- **Contact Rafael Dezordi**



Professor Heather Douglas, Senior Fellow at the ISSP, is the series editor of a new book series at the University of Pittsburgh Press on Science, Values, and the Public and will organize a workshop on Public Understanding of Science at



Michigan State University in September 2020.

- **Science, Values, and the Public** (University of Pittsburgh Press)
- **Public Understanding of Science Workshop** (Michigan State University)
- **Contact Professor Heather Douglas**

Professor Monica Gattinger, Director of the ISSP and Leader of the Energy Research Cluster, was interviewed by CBC Ottawa Morning with Robyn Bresnahan and co-wrote an op-ed article with Stephen Bird and Erick Lachapelle for Policy Options, about the new Positive Energy survey, exploring polarization over energy and climate in Canada.



- **Full interview at CBC** (YouTube Link)
- **On energy and climate, we're actually not so polarized** (Policy Options)
- **Energy Research Cluster**
- **Contact Professor Monica Gattinger**



Jeff Kinder, Senior Fellow at the ISSP, wrote an op-ed article for the IOG website.

- **Science Policy in the 2010s: A Decade in Review** (IOG website)
- **Contact Jeff Kinder**

Professor Pascale Massot, Faculty Affiliate of the ISSP, wrote a paper for the International Journal, commenting on the current status of Canadian-Chinese and Canadian-American international relations.



- **Global order, US–China relations, and Chinese behaviour: The ground is shifting, Canada must adjust** (International Journal)
- **Contact Professor Pascale Massot**

Margaret McCuaig-Johnston, Senior Fellow at the ISSP,



commented extensively in the media about the current state of Canada-China relations. She was also a panelist at the **Human rights, China and the future of democracies** event, held at Concordia University.

- **Interview to CBC The Current** (YouTube link)
- **Extradition hearing of Meng Wanzhou, Huawei executive at the center of U.S.-Canada-China rift, to open in Vancouver** (The Washington Post)
- **Trump's trade deal with China puts squeeze on Canada** (The Washington Times)
- **What experts think about human rights violations in China** (The Concordian)
- **Contact Margaret McCuaig-Johnston**

Professor Jason Millar, Core Member of the ISSP and leader of the **Artificial Intelligence and Robotics** Research Cluster will participate in the new uOttawa AI + Society Initiative.

- **uOttawa and Scotiabank announce major gift for the creation of the AI + Society Initiative** (CLTS website)
- **Artificial Intelligence and Robotics**
- **Contact Professor Jason Millar**



Professor Andrew Pelling, Faculty Affiliate of the ISSP, partnered with the men's underwear company SAXX.

- **Biophysics and Underwear?** (blog post)
- **Create Something Better** (YouTube link)
- **Contact Professor Andrew Pelling**

Professor Mark Salter, Core Member of the ISSP and Leader of the Risk, Technology and Security Research Cluster, was the moderator for the A Melting Arctic event, organized by CIPS, and he will present the How to Publish More Workshop on Thursday February 13 2020, from 2:30 pm to 4 pm, at 30 Stewart, room 312.

- **How to Publish More** (register)
- **A Melting Arctic - Implications of sea-ice loss on governing the Arctic** (CIPS website)



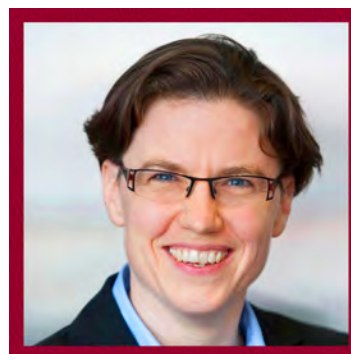
- **Risk, Technology and Security Research Cluster**
- **Contact Professor Mark Salter**



Professor Marc Saner, Core Member of the ISSP and Leader of the Science Advice Research Cluster, organized the first ISSP event of the year, in collaboration with the Alex Trebek Forum for Dialogue. Alex Trebek himself weighed in via video, followed by a multidisciplinary panel.

- **Panel: How do we know it's true? Can we mobilize all forms of knowledge?**
- **Science Advice Research Cluster**
- **Contact Professor Marc Saner**

Professor Sandra Schillo, Core Member of the ISSP and co-leader of the **Inclusive Innovation** Research Cluster is organizing and will host the Inclusive Innovation - Perspectives and Practices workshop, February 24, from 8:45 AM to 12:45 PM, at the Desmarais Building, room 12102.



- **Workshop: Inclusive Innovation - Perspectives and Practices**
- **Inclusive Innovation**
- **Contact Professor Sandra Schillo**

Thank you for reading our newsletter!

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