

# INCOSE Canada Chapter Quarter 4 Members Newsletter

## December 2024



### Introduction

After successfully launching the very first Chapter Newsletter in 2024, the INCOSE Canada Chapter Board is now publishing Q4 Canada Chapter members newsletter. As this is a new addition to our chapter efforts, please let us know if you have any feedback so we can improve it over time. If you are interested in joining us as a volunteer, please email us at [canada@incose.net](mailto:canada@incose.net).

### Membership Report

#### Welcome to Our Newest Members!

We are excited to welcome our newest INCOSE members to the Canada Chapter. Please look for them at future events. The following members joined in Q4 2024:

Quebec	Subramanian Subbaraman
British Columbia	Magali Desemery, Jiyeong Jeong, Mike Cleverly, Patrick Keller
Nova Scotia	Brad MacQuarrie
British Columbia	Andrea Goldman, Ananya Mishra, Harita Patel, Peter Marken, Martin Miller, Teck Hong Tay
Quebec	Vijaykamesh Balakrishnan, Kouessan Kangni, Eric Brossard, Jair Cavalcanti,
Alberta	Brent FiggKelly Chin, Paul Scrimshaw

#### Congratulations to Our Q4 2024 Systems Engineering Professionals!



Jiyeong Jeong



Johannes van der merwe, Tyler Borges

*Note: Members who have opted out of the directory/email have been excluded from this list above. Also, changes in later time of this quarter are not reflected in here and will be added to the next chapter newsletter. Please let us know if you think you have been omitted by accident, and we will be sure to include you in our following newsletter!*

Many individuals participated in the INCOSE Canada chapter's study group in **2023** or **2024** study groups, in which systems engineers studied the INCOSE Systems Engineering Handbook in 12 weeks and prepared for the INCOSE Certification Exam. If there are enough interests, we will start additional study groups in **2025** for those interested in pursuing either ASEP or CSEP certification.



## Canada Chapter Events

### Canada Chapter Q1 events

Jan 22nd - Strategic Insights: INCOSE Canada's 2023 Retrospective and Vision for 2024 ([Event Recording Link](#))

Feb 11th - Leveraging AI in Systems Engineering  
([Event Recording Link](#))

### Canada Chapter Q2 events

April 29th - Needs, Requirements, Verification, and Validation Management (NRVVM) ([Event Recording Link](#))

May 9th – In-person meet-up in Vancouver, BC

May 17th – In-person event in Toronto, ON

June 10th - Increasing the Success Rate of AI and ML Systems Deployment at the Enterprise Level ([Event Recording Link](#))

### Canada Chapter Q3 events

July 29th - Happy Hour Event: Sharing Experiences from INCOSE IS2024

### Canada Chapter Q4 events

October 21st - Complex Systems as Boundary Work in Multi-perspective Imagination  
([Event Recording Link](#))

This was an INCOSE virtual event featuring speaker Randall Anway, an active member of the International Council on Systems Engineering, and the American Institute of Architects.

October 30th – Second In-person meet-up in Vancouver, BC

After successfully hosting one of the first in-person INCOSE Canada Chapter meetings in Vancouver, we successfully hosted the second in-person meet-up in Downtown Vancouver in **Q4 2024**. It was fantastic to reconnect with systems engineers from various domains, all passionate about advancing systems engineering practices. Special gratitude to our guest speaker, William Hui, Director of Systems Engineering from TransLink, for sharing his perspectives on the values, and challenges we face in the field of systems engineering in capital projects. Thank you to everybody who contributed and joined to make this in-person event a success.



### November 4th – Think Like an Ecosystem: Deploying MBSE within your Organization [\(Event Recording Link\)](#)

This was an INCOSE virtual event presenting how natural ecosystems can provide insights into managing change in human and engineered systems. By applying principles of ecosystem succession to MBSE deployment, organizations can improve and accelerate new initiatives. The authors propose a Bio-Inspired design process drawing on nature’s strategies to develop resilient processes and efficient modeling practices.

**Think Like an Ecosystem: Deploying MBSE within your Organization**

*INCOSE Canada Chapter*

**Allison Lyle,**  
A practicing engineering consultant and instructor. Allison works with teams to pragmatically apply systems thinking principles and Model Based Systems Engineering (MBSE) processes and tools to advance product and system development.

**Rae Lewark,**  
An ecologist focused on the integration of humans and ecological systems. Rae explores the intersection of environments and human behavior.

Monday, November 4, 2024  
8:00 – 9:00PM ET  
5:00 – 6:00PM PT

A **FREE** Virtual INCOSE Canada Chapter Meeting  
Registration is Required

**INCOSE CANADA**  
[www.incose.org/Canada](http://www.incose.org/Canada)

November 23rd – Second In-person meet-up in Toronto, ON ([Event Recording Link](#))

After successfully hosting one of the first in-person INCOSE Canada Chapter meetings in Toronto, ON, we hosted the second in-person meet-up in North York, Toronto in a hybrid format on Saturday, Nov 23rd, 2024, 1:30 EST. In this event, we had a brief welcome note by a representative from INCOSE Canada, highlighting the purpose and goals of the event, and a presentation on Integrating System Dynamics and SysML by our guest speaker Ivan Taylor, president at Policy Dynamics Inc and continued the event with an hour of casual networking session among systems engineering professionals in the Lower Mainland area.

December 2nd - Why Systems Engineering is a Smart Investment: Managing Complexity, Reducing Risk, Saving Money ([Event Recording Link](#))

This INCOSE virtual event, hosted by the INCOSE Canada Chapter, features speaker Ivan Taylor, president of Policy Dynamics Inc.



December 2nd - INCOSE Canada Chapter Annual General Meeting ([Event Recording Link](#))

This INCOSE virtual event, hosted by the INCOSE Canada Chapter, features speaker Ivan Taylor, president of Policy Dynamics Inc.

*If you are interested in presenting at one of the Canada Chapter's events, please contact [canada@incose.net](mailto:canada@incose.net). Different Systems Engineering topics are welcomed, including Requirements Management, Model-Based Systems Engineering (MBSE), Verification and Validation, Machine Learning/AI, Cyber Security, and Systems Safety/FMEA. **Presenters receive a certification from the INCOSE Canada Chapter for their contribution to the chapter.***

## Canada Chapter's Board election

We are excited to announce that new Board of Directors and Committee Board Elections for the 2024-2025 was done in Q3 and Q4. Thanks to everyone who participated in the election and voted for the new board members for the INCOSE Canada chapter. We are so excited about the coming year with new board members joining INCOSE Canada Chapter. In case you missed it, your elected 2025 INCOSE Canada Chapter board members are:

### President

Tony Wu



### Vice-President and President-Elect

Arman Nikkhah



### Treasurer

Ivan Taylor



### Secretary

Pengzhou Lu



### Technical Program Director

Ivan Rodrigues



### Webmaster

Stéphane Lacrampe



### Membership Director

Blair MacDonald



### Communication Director

Anup Suresh



### Academic Outreach Director

Qifang Wang



### French Language Outreach Director

Arnaud Royer



### International Symposium Chapter Representative

Ali Nasser



### Past President

Terry Fitzgerald



### Past President

Ray Barton



To learn more about board members' background, please visit [INCOSE Canada Chapter Website \(Link\)](#).

## 2024 Featured Speakers

On behalf of the INCOSE Canada Chapter, we extend our gratitude to all our featured speakers in 2024. Your insightful presentations and valuable contributions have significantly enriched our discussions and broadened our understanding of systems engineering. Your dedication and expertise have inspired our members and fostered a collaborative environment that is essential for our continued growth and success. Thank you for sharing knowledge and for being an integral part of our community.

**Somaieh Yousefi**



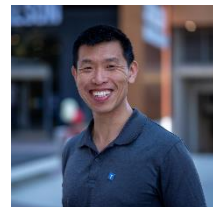
**Lou Wheatcraft**



**Mehran Irdmousa**



**William Hui**



**Allison Lyle**



**Rae Lewark**



**Ivan Taylor**



**Randall Anway**



## Announcement of Donation



INCOSE Canada Chapter is delighted to announce that we have donated \$800 to the INCOSE Foundation! This contribution supports their mission to advance the practice of systems engineering for the benefit of humanity. By funding scholarships, research initiatives, and educational programs, our donation helps foster innovation, develop future leaders, and address complex global challenges. Together, we are making a meaningful impact on the future of systems engineering and the world. Thank you for your continued support! For more information about their missions and achievements, please visit their website at [INCOSE Foundation](#).

## Upcoming Events in 2025

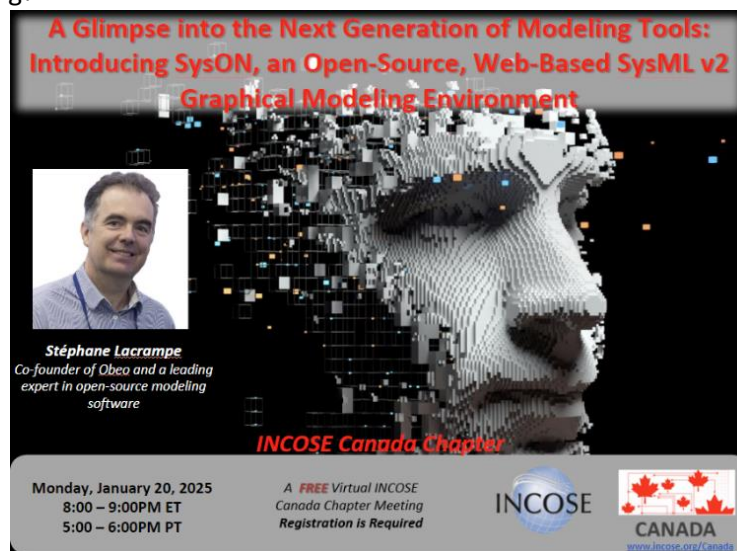
January 13<sup>th</sup> - Creating Our Future: INCOSE's Strategic Plan ([Event Registration Link](#))

This INCOSE Canada event features David Long, an INCOSE Fellow and Expert Systems Engineering Professional, presenting "Systems Engineering Vision 2035: Engineering Solutions for a Better World." David will discuss how the context and environment for systems engineering are evolving, the emerging technologies, and how our practice must adapt to meet future challenges. He will also delve into INCOSE's new vision, mission, and strategic plan, guiding us towards a better tomorrow. Don't miss this opportunity to engage in an interactive dialogue and shape the future of systems engineering!



January 20<sup>th</sup> - A Glimpse into the Next Generation of Modelling Tools: Introducing SysON, an Open-Source, Web-Based SysML v2 Graphical Modelling Environment ([Event Registration Link](#))

This INCOSE Canada event features Stéphane Lacrampe, co-founder of Obeo and a leading expert in open-source modeling software. Stéphane will present "SysML v2: A New Era for Digital Engineering," where he will introduce SysML v2, provide an overview of SysON's development status and specification coverage, and showcase its capabilities through an extensive demo. He will also discuss the vision and roadmap behind SysON and how open-source tools like it can drive the digital engineering transformation. Don't miss this opportunity to learn about the future of model-based systems engineering!



February 1<sup>st</sup> – The International Workshop 2025 ([Registration Link](#))

The next INCOSE International Workshop (IW) will be in Seville, Spain, 1-4 February 2025! This is a unique opportunity for systems engineers to collaborate with fellow system engineers from around the world and drive the future of the discipline. The workshop will be provided as a hybrid event, and you get a chance to join remotely if you are not able to make it in-person.

**2025**  
Annual **INCOSE**  
International Workshop  
HYBRID EVENT  
Seville, SPAIN  
February 1 - 4, 2025

Premier Systems Engineering Workshop

**INCOSE**  
**INTERNATIONAL**  
**WORKSHOP 2025**  
Seville, Spain | 1-4 February 2025

The graphic features a blue header with a globe icon and event details. The main body is a collage with a background image of Seville's architecture, including the Giralda tower. Overlaid on this are several circular images: the Spanish flag, a blue and white tiled building, a woman presenting at a whiteboard, and a modern building at night.