

INCOSE Canada Chapter Member Newsletter - April 2025



In this newsletter...

Upcoming Events

- Toronto In-person Meet-up! - May 24th
- Webinar: Implementing a Model Mesh in Model-Based Systems Engineering - May 12th
- Transportation Infrastructure Workshop - July

Highlights

- 2024 Circle Award Evaluations
- 19th Annual IEEE International Systems Conference
- INCOSE Handbook French Translation: Envie de contribuer à la première traduction francophone du Handbook INCOSE?
- INCOSE Canada Student Competition - call for Judges and Sponsors!
- SEP Certification Study Group
- Past Events

Upcoming Events

Toronto In-Person Meet-up

Join the INCOSE Canada Chapter for an exciting networking event for Systems Engineering professionals! This meet-up offers a fantastic opportunity to connect with fellow experts in the field, share insights, and build valuable relationships.

MEET-UP (TORONTO)

MAY 24TH (SATURDAY) | 1:30 TO 3:30 PM

TORONTO PUBLIC LIBRARY -
HILLCREST BRANCH
(5801 LESLIE ST, TORONTO, ON M2H 1J8)



Featuring a presentation by Ivan Taylor, President of Policy Dynamics Inc., on 'AI Agents for MBSE: Connecting Processes Through Workflow Diagrams.'

Come for the refreshments, stay for the connections with fellow SE professionals!

Register now!

Webinar

Webinar: From System of Systems to Model of Models - Implementing a Model Mesh in Model Based Systems Engineering

Date: Mon, May 12, 2025

Time: 8:00 PM - 9:00 PM EDT

Presenter: Blair MacDonald

Abstract: Join us for a presentation on developing a replicable, reusable tiered structure for organizing model elements in Cameo Enterprise Architecture. Blair MacDonald, Principal for Safety at the Department of National Defence, will share insights from his 25+ years of experience in military and public service, including his work in Model Based Systems Engineering (MBSE). Learn how to implement bi-directional model sharing, reuse package elements, and generate custom data analytics pathways while maintaining a coherent Containment Tree structure.



Register Now!

Interested in presenting at one of the Canada Chapter's events? Contact us at canada@incose.net. As a presenter, you'll receive a certificate of appreciation and a gift certificate from the INCOSE Canada Chapter in recognition of your contribution.

Transportation Infrastructure Workshop - July 2025

INCOSE Canada is excited to bring to you the inaugural Transportation Infrastructure Workshop!

Agencies are facing unprecedented challenges with the current surge in infrastructure investment, including:

- Complicated integration issues between legacy systems and new technologies.
- Increasing technical complexity in contemporary transportation infrastructure solutions.
- Varying and ambiguous expectations and methodologies across projects and organizations.

Join this workshop to streamline project delivery and systems engineering. By participating, you'll help create a unified vision, share best practices, and learn the latest innovations. The outcome will be a collaborative effort to develop the INCOSE-APTA Systems Lifecycle Engineering (SLE)

Standard, setting a new benchmark for the industry.

Learn more here!

TRANSPORTATION INFRASTRUCTURE WORKSHOP

CALLING ALL AGENCIES AND
PROFESSIONALS!



Spotlight - Circle Award Evaluations for 2024

Over the past month, the 2024 INCOSE Circle Award evaluations have been conducted, with volunteer Systems Engineering Professionals from across North America assessing the chapters of INCOSE America.

On behalf of the INCOSE Canada Chapter, we extend our heartfelt gratitude to our board members, **Ray Barton, Stephane Lacrampe, and Arman Nikkhah**. Their dedication and expertise, generously shared with INCOSE Central, have been invaluable in evaluating the Circle Award packages.

Thank you for your time and efforts!

Do you know someone who deserves recognition or have an article you'd like to share? We want to hear from you! To get featured in our next newsletter, contact us at canada@incose.net.

19th Annual IEEE International Systems Conference

Our very own Past President, Ray Barton, attended the IEEE SYSCON 2025 Conference held from April 7th to 10th, 2025, in Montreal, Canada, in coordination with INCOSE Central. Ray attended multiple tracks as part of IEEE SYSCON's Technical Program, such as System-of-Systems and System Architecture, to name a few.

INCOSE's presence at the conference was highly impactful, with a dedicated booth that maximized the value of its sponsorship. INCOSE members benefited from the same registration fee as IEEE members and were prominently featured in the hardcopy Program Schedule handout, which included two full pages dedicated to INCOSE. Throughout the conference and sessions, INCOSE members engaged in meaningful conversations, many expressing their

enthusiasm to reconnect at IS2025 in Ottawa, Canada.



IEEE SysCon2025 Program Overview

Envie de contribuer à la première traduction francophone du Handbook INCOSE ?

Nos collègues de l'AFIS (Association Française d'Ingénierie Système – le chapitre français d'INCOSE) se sont lancé le défi ambitieux de traduire la version 5 du *INCOSE Systems Engineering Handbook*. La traduction des chapitres est presque terminée, et ils souhaitent maintenant faire appel à la communauté francophone pour relire, enrichir et affiner cette première version.

Pour cela, nous avons besoin de votre aide !

En tant que responsable du développement de la communauté francophone au Canada, je suis à la recherche des volontaires prêts à contribuer à cet effort collaboratif. Tous les profils sont les bienvenus : que vous soyez expert ESEP, nouveau membre en pleine préparation de l'examen ASEP/CSEP, ou simplement passionné par l'ingénierie système, votre regard sera précieux.

C'est l'occasion de mettre à profit le talent linguistique des francophones du Canada pour améliorer la qualité du texte, notamment en essayant d'adapter certains anglicismes au contexte francophone.

Vous souhaitez participer à cette initiative réunissant les francophones d'INCOSE à travers le monde et contribuer à la première version du Handbook d'INCOSE en français? Alors contactez-moi à l'adresse suivante: [Arnaud Royer](#).

INCOSE Canada Student Competition

In preparation of the INCOSE Canada Chapter Student Competition, we are looking for volunteers as **Sponsors and Selection Committee judges**. If you are interested, please contact: [Qifang Wang](#).

Sponsors

Sponsorship Levels:

- Bronze: 500 CAD
- Silver: 1000 CAD
- Gold: 2000 CAD
- Platinum: 3000 CAD

Benefits:

- Enhanced Brand Visibility: Sponsors gain prominent exposure to a wide audience, including students, educators, and industry professionals.
- Community Engagement: Sponsorship demonstrates a commitment to supporting education and the local community, enhancing your company's reputation.

Selection Committee Judges

Eligibility:

- Membership in the INCOSE Canada Chapter
- INCOSE certification (ASEP, CSEP, or ESEP)

Time commitment (throughout 2025):

- 1-3 hours to review submissions
- 9 hours to attend mentorship sessions and support students (optional)

Benefits:

- Professional Development Units (PDUs)
- Invitation to join mentorship sessions and interact with students

INCOSE Student Competition 2025

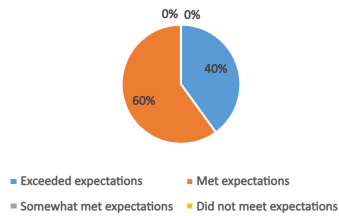
2025 Year in Review

SEP Study Group

After successfully hosting Systems Engineering Professional (SEP) Certification study groups in 2024 in collaboration with the Michigan Chapter and Huntsville Chapter, and helping systems engineers achieve their SEP certification, the INCOSE Canada Chapter is pleased to announce that we have kicked off the 2025 SEP Certification study group in partnership with the Seattle Metro Chapter and San Francisco Bay Area Chapter. Systems engineers from all three chapters study the Systems Engineering Handbook v5 over 13 weeks with their peer systems engineers while sharing study materials, experiences, and presentations, along with quizzes provided by the instructors.

The survey conducted after the first session of the 2025 SEP Certification study group provides promising feedback from attendees. We are planning to organize another study group later this year if we receive enough requests from our chapter's members.

How well did the first Study Group session meet your expectations?



How clear were the objectives of the Study Group after the first session?



If you are interested in partnering with the INCOSE Canada Chapter in delivering a study group to your members or if you are interested in joining INCOSE Canada's upcoming study groups, please visit the website via link below.

[More Information](#)

Past Events

- **Webinar - January 13th:** David Long, INCOSE Director for Strategic Integration, presented "Systems Engineering Vision 2035," outlining the future of systems engineering and INCOSE's strategic plan.
- **Webinar - January 20th:** Stéphane Lacrampe, co-founder of Obeo, introduced SysON, an open-source SysML v2 modeling tool, showcasing its potential for digital engineering transformation.
- **Webinar - February 10th:** Prof. Alex Ellery discussed lunar industrialization with self-replicating machines and in-situ resource utilization, highlighting new possibilities in space exploration.
- **Webinar - March 17th:** Shahram Pourazadi, Technology Entrepreneur and IP Specialist, discussed building IP portfolios and commercialization strategies. He highlighted the use of Model-Based Systems Engineering (MBSE) to enhance IP and technology management for high-tech companies.
- **Webinar - April 14th:** David Hetherington and Ivan Taylor's webinar focused on enhancing security in engineered systems using System-Theoretic Process Analysis (STPA) and System Dynamics (SD). They discussed resilience, adaptive redundancy models, and failure response strategies to maintain operational integrity under threats.

[View Event Recordings](#)

Past Newsletters

- [INCOSE Canada Chapter Member Newsletter - March 2025](#)
- [INCOSE Canada Chapter Member Newsletter - February 2025](#)



The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization founded to develop and disseminate the trans-disciplinary principles and practices that enable the realization of successful systems. INCOSE is designed to connect systems engineering professionals with educational, networking, and career-advancement opportunities to develop the global community of systems engineers and systems approach to problems. We also focus on producing state-of-the-artwork products that support and enhance this discipline's visibility worldwide.

INCOSE Canada Chapter | 7670 Opportunity Rd, Suite 220 | San Diego, CA 92111 US