INCOSE Canada Chapter
Member Newsletter - July 2025

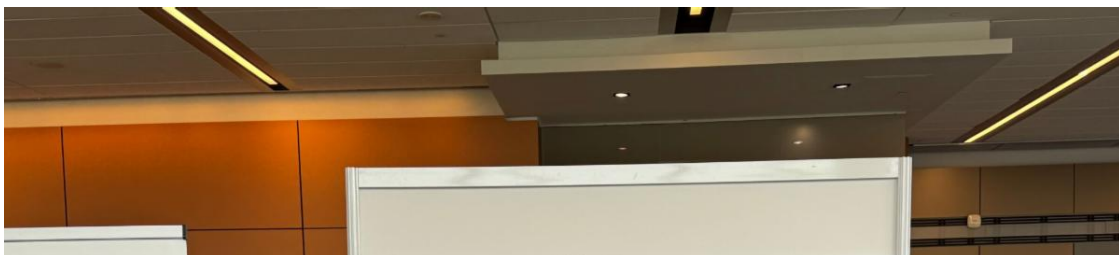## In this newsletter...

Highlights
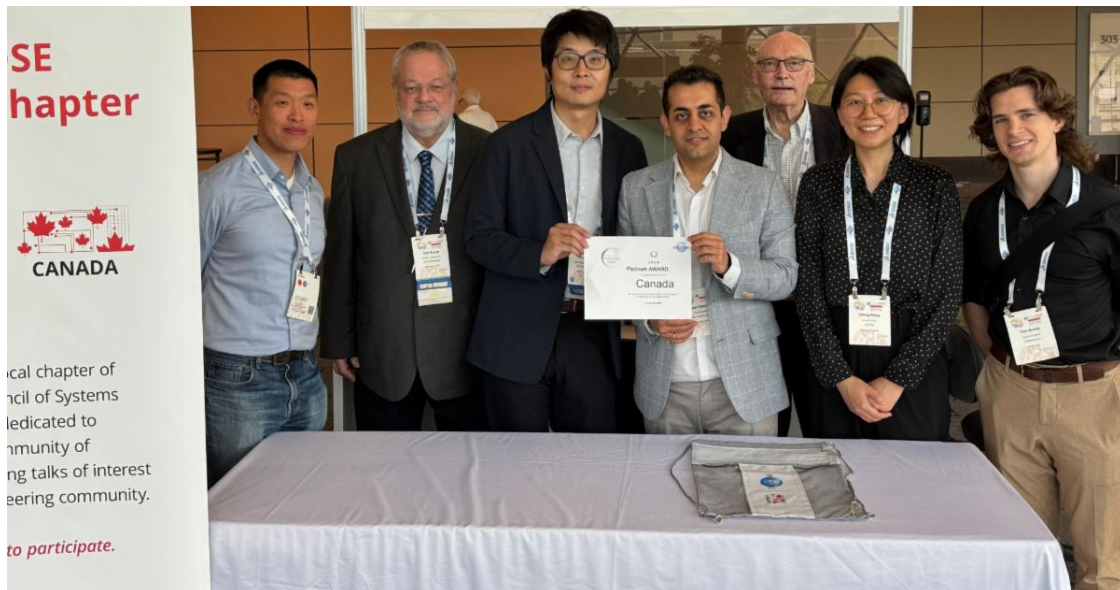
INCOSE International Symposium (IS2025)

This year's International Symposium in Ottawa, ON, brought together systems engineering professionals from around the world for six dynamic days. With over 160 expert-led presentations, interactive workshops, and skill-building tutorials, attendees had countless opportunities to learn, connect, and grow.

INCOSE Canada and its members were shining bright—actively participating, presenting, and contributing to the event's resounding success. From global networking to a lively gameshow, the energy was electric!

INCOSE Canada Chapter Honored with Platinum Award

We're proud to share that the INCOSE Canada Chapter has received the prestigious Platinum Award—the highest level of recognition from INCOSE. This honor reflects our chapter's unwavering commitment to advancing systems engineering excellence across Canada. This achievement is a true testament to the dedication, collaboration, and passion of every board member who contributed to our success. Thank you for your outstanding efforts and continued support!

Ivan Rodrigues served as the emcee for the symposium, bringing his expertise and engaging presence to the stage. His dynamic hosting helped create a memorable and energizing experience for all attendees.

INCOSE

IS2025 MC

Ivan Rodrigues
(P.Eng., CSEP)

INCOSE member since 1997 and a CSEP since 2007. He has broad systems engineering experience across Defence, GNSS, and Cellular Communications, and currently leads SE at Hexagon's Autonomy & Positioning Division. Ivan holds degrees in Mechanical and Electrical Engineering and an MIT xPRO certificate. He has developed SE processes aligned with IATF 16949, ISO/IEC 15288, ISO 26262, and ASPICE.

Stéphane Lacrampe delivered a well-attended tutorial titled "SysML V2 Finally in Practice: An Interactive Beginner's Tutorial." The session offered a hands-on introduction to SysML V2, the next-generation systems modeling language developed by the OMG to address key challenges in Model-Based Systems Engineering. The tutorial guided participants through SysML V2's major innovations—such as its new metamodel (KerML), dual graphical/textual syntax, and extensibility—using a practical modeling example of a flashlight system. Attendees explored structure, behavior, and requirements modeling in SysON [https://mbse-syson.org], a web based graphical modeling environment available as open-source, helping demystify SysML V2 for newcomers.

Spotlight: QiFang Wang

Representing the INCOSE Canada Chapter, Qifang Wang joined the Empowering Women Leaders in Systems Engineering (EWLSE) working group during the 35th Annual INCOSE International Symposium in Ottawa. Her participation highlights INCOSE Canada's commitment to advancing diversity and leadership in systems engineering. EWLSE's mission is to foster an inclusive environment where women and men are equitably represented as leaders in the field.

Learn more at incose.org/ewlse

Transportation Infrastructure Workshop

Hosted in Ottawa, ON by INCOSE Canada, the inaugural Transportation Infrastructure Workshop brought together systems engineering professionals and thought leaders from across the transportation sector. With strong support from sponsors Mott MacDonald, Jama Software, and Parsons Corporation, and partners including APTA SLE, UNICO Engineering, Obeo, and TRACCS, the event was a powerful call to action.

Participants identified four key focus areas for immediate progress:

- Integration and Interface Management
- Requirements and Standards
- Competency and Education
- Design Review and Quality Assurance

Thank you to all who contributed—this is just the beginning of a vital conversation for the future of transportation infrastructure.

Over 20 attendees signed up to join task forces dedicated to tackling these critical focus areas. Interested in getting involved? We'd love to have you—reach out to join the momentum!

Introducing Our Newest Members

We are excited to introduce our newest members who have joined the INCOSE community for all over Canada. Let's give them a warm welcome as they embark on their journey in systems engineering!

Name	City, Province
Assad Abd	Toronto, ON
Kris Leo Barboza	London, ON
Tanya Estwick-Lepage	Port Coquitlam, BC
Andrew Johnson	St-Lin-Laurentides, QC
Julian Lam	Saint John, NB
Miriam Pang	Ottawa, ON
Ivan Christian Sayson	Coquitlam, BC
Tanzeeb Zaman	Pickering, ON

Introducing Our Newest Systems Engineering Professionals (SEPs)

We are excited to announce and congratulate our newest certified Systems Engineering Professional! Your hard work and dedication have paid off, and we are excited to welcome you to the community. Well done to all!

Martin Miller

Note: Members who have opted out of the directory/email have been excluded from this list above. 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!

INCOSE Canada Student Competition

Applications for the INCOSE Canada Chapter Student Competition are OPEN!

By taking part in the competition, you will be invited to 3 opportunities to engage with systems engineers and improve your skills in systems engineering. After these online events, you can submit a summary of your approach to systems engineering for a chance to win up to **$3,000** in prizes.

> INCOSE Student Competition 2025

Join our LinkedIn page and share it with your fellow Systems Engineering professionals.

Following us on LinkedIn helps us build a stronger community, stay updated with the latest news, and share valuable insights. Don't miss out—connect with us today!

2025 Year in Review

SEP Cohort 2025 Success

The INCOSE SEP study group, organized by Arman Nikkhah, has successfully concluded, providing invaluable support and motivation to all participants.

Thank you to all those who participated in this cohort which was provided in partnership with Seattle Metro and San Francisco Bay Area Chapters. And thank you to Arman for his leadership and dedication.

Carla Guzzardo, one of the SEP Cohort members, put it best: "*Thank you, Arman, for leading the cohort. I feel confident we can all pass the exam now. The study sessions were a great motivator for reading through and actually absorbing the Handbook. And thank you to everyone for participating! Speaking for myself, it was sometimes hard to find the time to get through the section for the week and write notes, but I'm glad I did, and I appreciate everyone's different perspectives and contributions.*"

If you are interested in joining the next cohort, please reach out to Arman.

Vancouver In-Person Meet-up

On June 19th, the INCOSE Canada Chapter hosted an exciting and packed networking event for Systems Engineering professionals in Vancouver, BC. This meet-up provided a fantastic opportunity for attendees to connect with fellow experts, share insights, and build valuable relationships.
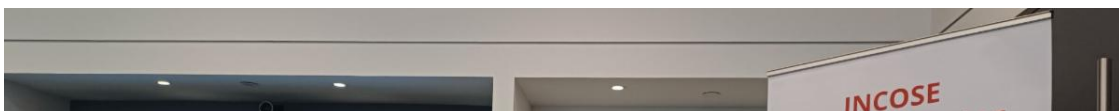
We extend our deepest gratitude to our amazing speakers for sharing their insights and expertise. Your contributions were invaluable!
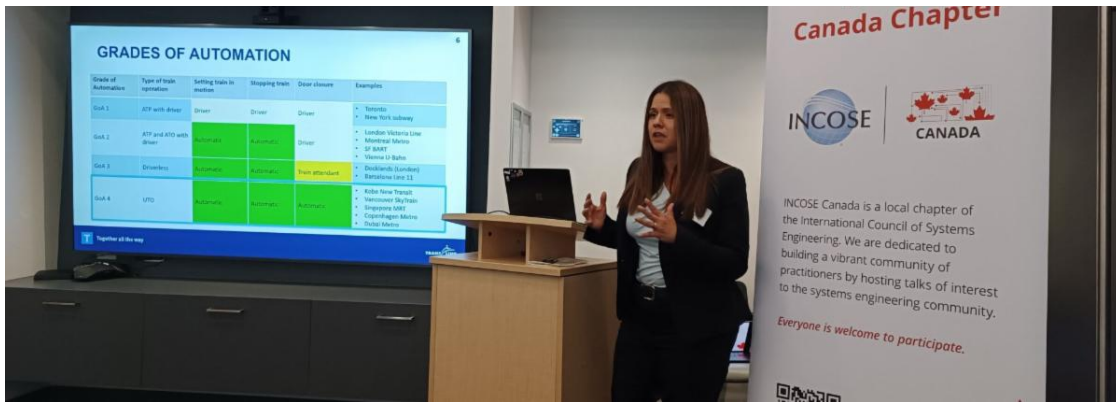
Featured Speakers:
- Nancy Franco (British Columbia Rapid Transit Company)
- Sudhakar Bakki (Verathon)
- Arman Nikkhah (Mott MacDonald)

Thank you also to the organizing team: Hai Tao Wu, Stéphane Lacrampe, and Arman Nikkhah, for ensuring everything ran smoothly.

Lastly, a heartfelt thank you to all the attendees for your enthusiasm and engagement. Your presence and contributions made the event truly special. We look forward to more such enriching experiences in the future!
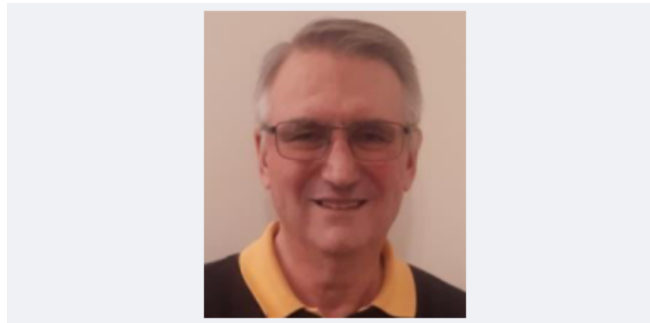
Past Webinars

Thank you to our webinar presenters! We at INCOSE Canada deeply appreciate the time and expertise our presenters have shared during recent webinars. Your contributions have greatly enriched our community's knowledge and sparked valuable discussions.

Thank you for your outstanding support!

Webinar Recap - July 17th: AI Agents for MBSE – Connecting Processes Through Workflows. Ivan Taylor explored how pairing SysML v2 models with AI agents can revolutionize Model-Based Systems Engineering (MBSE). By acting as junior engineers, AI agents help bridge lifecycle phases—from stakeholder needs to implementation—through intuitive workflow diagrams. These agents can interpret natural language, perform real-time checks, and update documentation dynamically. Real-world case studies highlighted how this approach transforms static models into adaptive, living systems, enhancing collaboration and freeing engineers to focus on innovation.

View Past Webinars

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.*

Past Newsletters

- INCOSE Canada Chapter Member Newsletter - June 2025
- INCOSE Canada Chapter Member Newsletter - May 2025
- INCOSE Canada Chapter Member Newsletter - April 2025
- 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.