



Institute of Transportation Engineers University of Waterloo Student Chapter (ITE UW) 2025 Annual Report

The ITE Canada University of Waterloo (UW) Student Chapter is pleased to submit this annual report to showcase another extremely successful year.

Chapter Administration

The student chapter’s elected executive team and faculty advisor are listed below in Table 1. Due to the University of Waterloo’s co-op program, some positions are shared between students on opposite co-op streams, ensuring year-round in-person leadership coverage on campus.

Table 1: ITE UW Student Chapter Executive Team

Position	Member Name
President	Shrinidhi Elangovanneela & William Pham
Treasurer	Aditi Atodaria
Secretary	Tayler Lam
Events Director	Eric Tran* & Andrew Wong
Media Director	Benjamin Gosselin**
Outreach Director	Dylan Mah
Faculty Advisor	Christian Bachmann
Special committees	Media, Events, Outreach

*New executive member **New ITE member

This year, the chapter established an Outreach Committee to strengthen external engagement and industry collaboration. The committee is responsible for liaising with sponsors, coordinating partnerships, organizing external-facing events, and collaborating with other campus clubs and societies. Its addition has expanded opportunities for members to connect with industry professionals and further broadened the chapter’s engagement within communities on and off campus.

Chapter meetings were held in a hybrid format in Waterloo throughout the year. Starting on January 16, 2025, meetings resumed to a bi-weekly basis. No meetings were held during the final examination period in April, August and December, or on statutory holidays. The meeting schedule is summarized in Table 2.

Table 2: ITE UW Student Chapter Meetings

1	January 16, 2025	2	January 27, 2025	3	February 25, 2025	4	March 14, 2025
5	May 5, 2025	6	June 2, 2025	7	June 13, 2025	8	July 11, 2025
9	August 11, 2025	10	September 8, 2025	11	September 25, 2025	12	October 6, 2025
13	October 20, 2025	14	November 3, 2025	15	November 17, 2025	16	December 1, 2025

All meetings were held in Waterloo with a hybrid format.

Meetings that stood out and were well perceived by members include the kick-off meetings, which took place on January 16, 2025, and September 16, 2025, for the winter and fall terms, respectively. This is largely in part due to the administrative parts being kept short and having icebreakers, such as a “Mini



Traffic Bowl” event, discussions about local transit projects and upper-year students sharing their experiences with first-year students, fostering collaboration and networking.

ITE UW is grateful for the support of our sponsors, whose contributions help fund our events, conferences and networking opportunities. For the 2025 year, we received generous donations from our Gold Sponsors, Paradigm Transportation Solutions Ltd. and LEA Consulting Ltd., and our Bronze Sponsors, BA Consulting Group Ltd. and Salvini Consulting Inc. Their support has been instrumental in enhancing our chapter’s activities and providing valuable resources for our members.

Networking Events

The Chapter organized a variety of networking events throughout the year, offering members the opportunity to engage with professionals and experts from the transportation industry. These events include presentations from leaders in the field, industry conferences, and career fairs, all of which provide valuable insights into current and future transportation projects, engineering practices, and professional development. The chapter’s networking events are listed below in Table 3.

Table 3: ITE UW Student Chapter Networking Events

Presenter (Company)	Date	Description of Event
Marlon Gullusci, Andrew Au, Diane Ho (City of Toronto)	February 5, 2025	City of Toronto planning team, past and present projects such as the Wynford Concorde Mobility Strategy. Roles of a city planner and challenges faced in the industry.
CEAGES Winter Industry Night	February 28, 2025	A career fair designed for Civil, Environmental, Architectural & Geological engineering students that provided a platform for networking with industry professionals.
Yussif Salama, Ron Ramos (Fehr & Peers)	March 3, 2025	Life cycle of traffic engineering projects and traffic model calibration. Problem-solving workshop.
Olivia Babcock, Jason Deglint (Miovision)	March 5, 2025	AI-powered traffic management and computer vision applications in municipal transportation networks.
Margaret Briegmann (BA Group)	March 19, 2025	Interactive community consultation workshop.
Evan Sweetland (Urban Systems Ltd.)	May 28, 2025	Active transportation, road design, interdisciplinary work, and other transportation engineering projects.
ITE Canada Conference	June 1-4, 2025	ITE UW members attended the Annual ITE Canada Conference, where the chapter received the Outstanding Student Chapter Award in Halifax and participated in the Traffic Bowl
Jônatas Augusto Manzolli	June 18, 2025	Postdoctoral researcher at McGill University. Data-driven planning strategies for municipal electric bus fleets.
Joanna Kervin (AECOM)	September 25, 2025	Shared insights from 30 years of experience in transit planning, operations, and delivery. Major projects such Toronto Line 1 extension and Eglinton Crosstown LRT.



Claire Basinski (Take Consulting), Ryan Lo (Urban Minds) *	October 27, 2025	Former President of OPPI, and Urban Minds Director. Community engagement strategies, with a focus on engaging children and youth in infrastructure planning.
CEAGES Fall Industry Night	November 6, 2025	A career fair designed for Civil, Environmental, Architectural & Geological engineering students that provided a platform for networking with industry professionals.
Joint Civil Engineering Networking event	November 28, 2025	Joint networking event with UW Faculty, the UW ASCE/CSCE Student Chapter, UW Concrete Canoe Team, UW Concrete Toboggan Team, and UW Steel Bridge Team

*Denotes event was led by a non-executive member through the leadership program

Leadership Development

To encourage leadership development within the chapter, four of our members attended the 2025 ITE Student Leadership Summit co-hosted by ITE Dalhousie and New Brunswick from May 30 to 31. The two days provided the opportunity for our members to enhance leadership skills through team-building activities, panel discussions, and presentations from industry professionals and fellow students. The insights gained were not only in leadership, but the networking opportunities allowed our members to interact with students of other chapters to share experiences and provide advice on how to succeed in the transportation industry.

The executive team also actively provides opportunities for general members to lead their own events to increase chapter retention and foster leadership for younger members. Through this initiative, members are given tasks to manage the logistics, promotion, catering and other details to ensure the smooth operations of the chapter. Beyond this, members were also encouraged to either lead or co-develop events for the chapter. These events included the Fall Beginning of Term Event, a talk with Claire Basinsky and Ryan Lo, the launch of our Minecraft Server, and a Merch Design Competition.

K-12 STEM Outreach

Our chapter actively participates in several outreach events to engage and inspire K-12 students about transportation. For both of UW's March and Fall Open House, the chapter set up booths in the Faculty of Engineering's Design Team Showcase on March 18 and November 8, respectively. This event provided the opportunity for our chapter to engage with prospective students interested in applying to UW to consider a career a transportation and join the chapter.

Additionally, a new initiative by the chapter has been to run K-12 workshops with Engineering Outreach. This was spearheaded by a general member, who developed and led a Complete Street workshop in November to middle-school aged children in Waterloo Region. Students were taught the concept of a Complete Street and then allowed to design their own street cross-section using Streetplan.net. By the end, students were left not only being introduced to the transportation profession but were inspired to think more about transportation's role in community streets in safety and placemaking.



Application of Technical Knowledge

Technical Publications

Technical publications authored by student chapter members are listed below in Table 4.

Table 4: Technical Publications

Author	Publication name	Publication	Date
Lucas Sobreira	Spatial Transferability of Expansion Factors for Estimating Pedestrian Volume at Intersections	TRR: Journal of the Transportation Research Board	September 2025
Christopher Lehmann Skelton	Predicting Pedestrian Crossing Behavior and Violations Using a Pathfinding Approach	ASCE: Journal of Transportation Engineering, Part A: Systems	December 2025
Reza Aminghafouri	The myth of quick conflict-based road safety analysis: Limits of short-term conflict data in collision risk prediction	AAAM: Accident Analysis & Prevention	February 2026

Conference Attendance

At the 2025 ITE Canada Conference, one of our general members, Neshon Missaghian, was awarded the ITE Canada Undergraduate Scholarship. Another general member, Karla McCallum, was also awarded the Student Presentation Award after the winning the undergraduate category at the joint ITE Hamilton, Toronto, and Southwestern Ontario Student Presentation Competition. The chapter also participated in the Traffic Bowl at the conference, where our team placed 3rd in the first round, reflecting our strong understanding of a wide range of concepts in transportation engineering and planning. Through our participation in the tournament, students furthered their familiarity with key transportation concepts, helping them to be prepared for working in the industry.

ITE Sandbox Competition

After interest from general members, the chapter created a new design team to participate in the ITE Sandbox Competition, where students created a 10-page report on how UW's Transit Terminal can be transformed into a Mobility Hub. Students gained valuable experience working together to identify existing challenges in UW's Transit Terminal and to propose potential interventions based on the principles of improving connectivity and mobility, accessibility and comfort, and placemaking. After the team's submission on April 1, two students presented the report in a poster format at the joint CIP/OPPI Conference in Toronto from July 8 to 10, receiving interest and enthusiasm from up to 1000 attendees.

New Member Recruitment

The chapter has implemented several strategies to recruit new members and increase engagement. ITE members attended UW's March and Fall open houses and student orientation days for both Engineering and Environment Faculties on campus to promote the chapter to prospective and first-year students and also showcased ITE at the CEAGES Industry Night to reach a broader engineering audience. Beginning-of-term meetings in January and September featured interactive icebreakers, such as a "Mini Traffic Bowl"



event, and discussions about local transit projects, were well-received by new members. Additional initiatives such as the Fall Merch Design competition, and Leadership program helped retain our influx of new members this year. Social media presence and engagement have increased approximately by 50-85% in 2025, and average meeting attendance has risen compared to the previous year, reflecting strong growth in both visibility and participation.

Diversity and Inclusion

Our events continue to attract students beyond civil engineering, such as the Miovision talk focusing on AI applications in transportation, which drew attendees from Computer Science, Mathematics, Statistics, Systems Design, Management, and Mechatronics Engineering. ITE events are promoted more broadly across disciplines, increasing engagement from those outside of the traditional transportation curriculum. We also collaborated with Women in Engineering on K-12 outreach initiatives, helping encourage greater recruitment and participation from underrepresented groups in engineering.

Training/Professional Development

Executive ITE members hosted technical workshops on ArcGIS Pro and PTV VISSIM, primarily for first and second-year students, introducing industry tools typically covered in upper-year courses. ITE members also contributed to our Sandbox Competition submission this year, enabling students to apply transportation planning principles in a design challenge setting. Additionally, executives volunteered at the resume critiques across campus, assisting first-year engineering and planning students in improving their resumes as they prepare for their first job search under the co-op program.

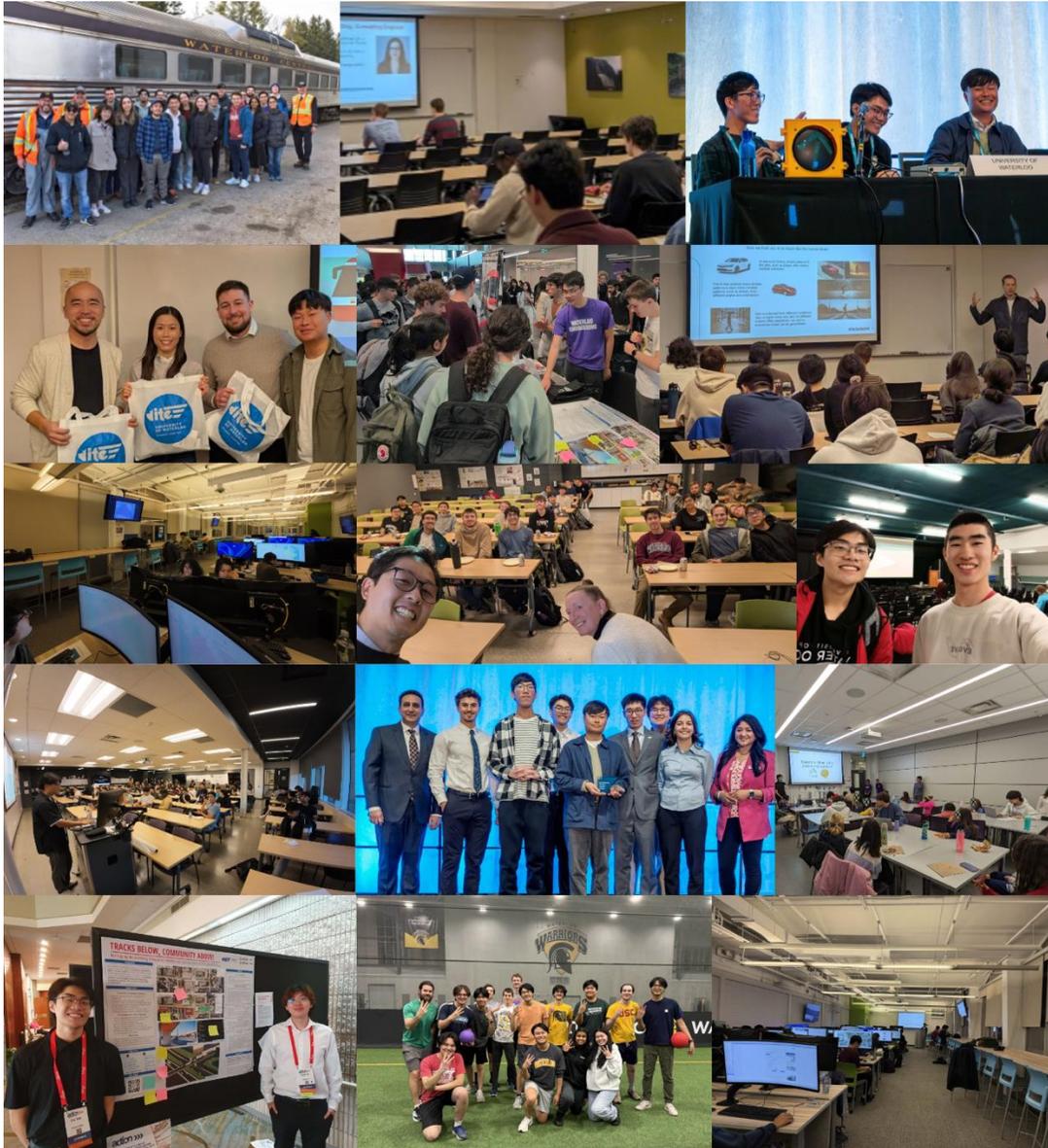
Field Trips/Technical Tours

This year, our chapter partnered with ITE McMaster to host the Waterloo Central Railway Tour, giving students behind-the-scenes insight into railway operations, maintenance, and historic preservation, along with a ride on historic mid-20th century rail equipment. Students also participated in a Downtown Kitchener walking tour with Professor Brian Doucet, exploring urban infrastructure and social change around Kitchener Central Station.

Service Projects

ITE UW members continued to support transit advocacy efforts within Waterloo Region. In collaboration with WUSA and TriTAG, members responded to proposed 2026 GRT service reductions by helping amplify student perspectives and raise awareness of local transit funding impacts. Additionally, members supported the relaunch of the Link the Watershed campaign alongside Transport Action Alliance Guelph and MTSO, advocating for improved intercity bus connections between Kitchener-Waterloo, Guelph, and Brantford areas.

Through social media and in-person means, the chapter also promoted a variety of public consultation meetings related to transportation, where general members advocated for more efficient, equitable, and sustainable transportation in their local communities. This included the Public Consultation for Arthur Street Improvements and Potential Elmira Bypass in the Township of Woolwich, Region of Waterloo's ION Stage 2 Business Case, and the City of Toronto's Budget Consultation.



From top to bottom, left to right: Waterloo Central Railway Tour, BA Group Talk with Margaret Briegmann, ITE Canada Traffic Bowl, Faculty of Engineering Orientation, Miovision Talk with Olivia Babcock and Jason Deglint, ArcGIS Pro Workshop, Urban Minds and Take Consulting Talk with Ryan Lo and Claire Basinsky, Public Consultation for Arthur Street Improvements and Potential Elmira Bypass, Fall Beginning of Term Event, ITE Canada Conference Award Ceremony, K-12 Complete Street Workshop, Presentation of 2025 ITE Sandbox Submission at CIP/OPPI Conference, Joint Civil Engineering Networking event, PTV Vissim Workshop.