

2020 VANCOUVER
CONFERENCE UPDATE

CITE 2020 AWARDS &
SCHOLARSHIPS

ITE COUNCIL
UPDATES FROM TLC



transportation TALK

Quarterly Newsletter of the CANADIAN INSTITUTE OF TRANSPORTATION ENGINEERS
INSTITUT CANADIEN DES INGÉNIEURS EN TRANSPORTS
(a Canadian Non-Profit Corporation)



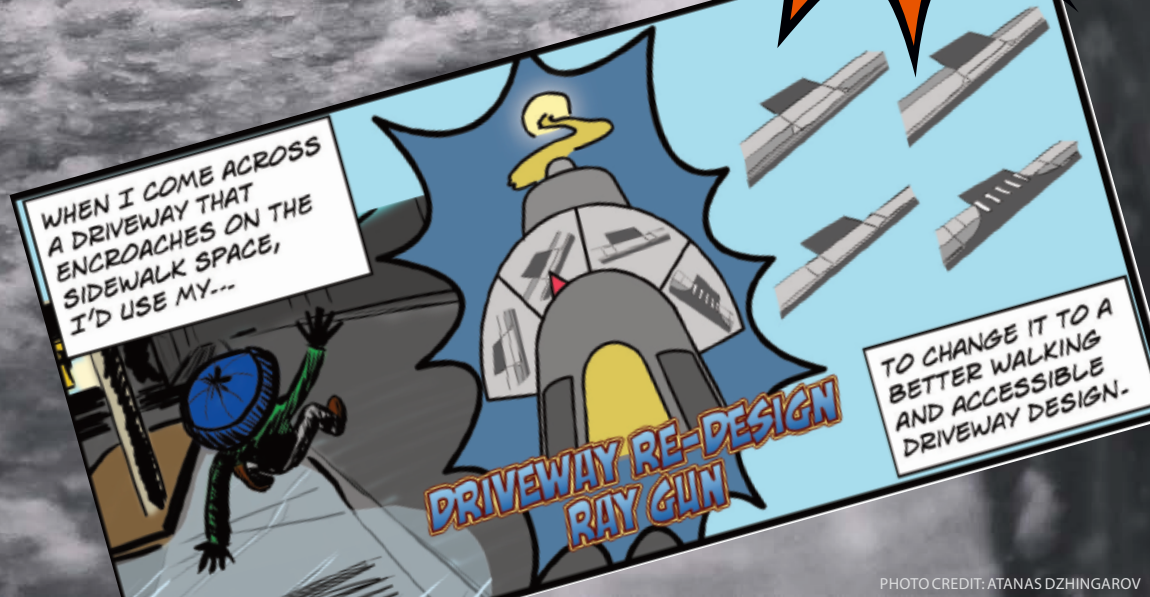
Nurturing the First Steps

Ryan Martinson's newest comic dives into the why, what, and how of better design for walkability

Transportation + Health

Graham Matsalla gives us a look at how the health sector is involved in shaping the built environment and shares how transportation and health professionals can collaborate

**WALKABILITY
COMIC!**





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president's ponderings



JULIA SALVINI, P.Eng.
Canadian District President
president@cite7.org

What a wonderful and busy time of year it is for CITE! We have so much good information to share with you in this edition of *Transportation Talk* about what's happening at CITE and things to look forward to (including new opportunities for you!) along with a healthy dose of inspiration on two timely and important topics: walkability and collaboration. Ryan Martinson has created another masterpiece that shines a light on the challenges facing pedestrians of all kinds and ways for us as transportation professionals to consider walkability in our projects and view our work from a variety of perspectives. A partner article by Graham Matsalla talks about the WalkABLE Alberta program with a focus on the connection between transportation and health and how professionals from these two fields can work effectively together.

Last weekend, we gathered the CITE Board of Directors in Victoria for the second stage of the update to our strategic plan. The session built on the work of the small group that gathered in Vancouver in the fall and resulted in both exceptional ideas and clear direction for the organization. We look forward to sharing the results of the process with you as the work from the

two sessions is finalized.

While I was in Victoria, I had the privilege of attending a Vancouver Island Section lunch. Meeting CITE members and friends and hearing about the work you are doing in your communities is one of my favorite parts of CITE involvement. I thank the Section for making me feel so welcome and inspired by your dedication and passion for transportation.

Awards season is upon us and there are a few changes this year related to the ITE awards program. ITE has embedded their Council Technical Awards into their broader awards program. Nominations for these technical awards in five categories will come from the District so we invite you to submit for these along with the Stan Teply Outstanding Technical Project Award. Also, ITE has introduced Section and Student Chapter Momentum awards designed after our Delta awards so we have renamed our awards accordingly. Nominations for all of our [practitioner](#), [student](#), and [section/student chapter awards](#) are now open and we welcome your submissions. We've included a listing of the winners over the last 10 years for some inspiration.

As many of you will have seen from ITE correspondence, we are celebrating the 90th anniversary of ITE. Each edition of the ITE Journal will highlight the history and progress of one District and the Canadian District is no exception. They will also be highlighting the important work done by District Administrators so Steven Garner will be well represented in our issue. We are collecting historical CITE documents and photos to share with ITE and to prepare a poster to be displayed at the ITE Annual Meeting this summer. If you have photos, especially from notable past CITE events both at the District and Section level, we would be very grateful. Please reach out to me and to Steven (admin@cite7.org) with any information you can share.

CITE is embarking on a landmark project with TAC for the development of a Road Safety Webinar Series. The project is underway and a consultant was recently selected for the project. We are seeking two private sector volunteers to sit on the steering committee for the project representing CITE. A call for volunteers with further information will be released in the coming days.

Photo highlights from the CITE Board of Directors gathering in Victoria for a strategic planning session.

Special thanks to Todd Litman,
Vice President of the Vancouver Island Section,
for leading a walking tour of downtown Victoria.

president's ponderings

Conference planning for CITE/QUAD 2020 in Vancouver is in the final stages. The technical program is set and the local arrangements committee is putting the final touches on what will be another fantastic CITE conference. Registration will be opening in the next couple of weeks and we look forward to seeing you in Vancouver.

This year will be the first year we will be distributing the Jenn & Jan Voss Travel Bursary for women engineers to attend the Vancouver CITE conference. Please consider applying for the bursary or encouraging those you know who may qualify to apply.

I'll sign off with a thought that came out of our meetings in Victoria last weekend. There are many things that differentiate us as an organization, but the most valuable is the connections we form through our local sections and student chapters. It's our members. I encourage you to connect with other ITE members at a local event—especially if you have not had the opportunity recently. You won't be disappointed.



Julia Salvini, P.Eng.
Canadian District President



from the district director



JEN MALZER, M.Sc., P.Eng.
Canadian District Director
director@cite7.org

Dear members,

I am happy to be home after some busy and wonderful meetings in Washington, D.C. Our winter ITE Board of Direction Meetings are always timed with the TRB conference and there are so many ways we benefit from that timing. Our technical committee meetings and student chapter reception gain from the attendance to both.

There is so much to report from ITE. I am truly amazed by the committed staff at headquarters. ITE, through volunteer projects and contracts to other organizations, produces a tremendous number of technical products. At this particular meeting, the Board had the opportunity to give its blessing on a recommended practice: Guidelines for Determining Change and Clearance Intervals. I want to make a special thank you to Russell Brownlee, a CITE volunteer, for his help on this complicated project.

The Board has also supported the development of new technical practices by the Coordinating Council, like a new report discussing important trends facing our profession and the creation of new awards that recognize excellence across our organization. Please review the ITE and CITE opportunities to nominate projects, initiatives and individuals as this is a great way to advance our industry faster.

This meeting marked the start of Randy McCourt's term as President and, with that change, it becomes the start of Bruce Belmore's term as past president. Though Bruce was looking exceptionally relaxed, he still is responsible for some important areas for ITE including the creation of the new **Micromobility Sandbox Design Competition** that will be held in New Orleans as part of the ITE Annual Meeting. This initiative aimed at students and working professionals is intended to promote multidisciplinary teams to compete and add to the member knowledge of this disruptive space in transportation. Bruce also oversees a legacy fund drive timed in celebration of ITE's 90th anniversary. All funds go to support member programs like scholarships and LeadershipITE. Consider joining me in contributing \$90 for 90 and consider forming a team for this new competition. Please also take a moment to thank Bruce for his service as a thoughtful and approachable President; he represented Canada so well. I have no doubt our District would be welcome to fill that seat again.

Randy's term will place an emphasis on strengthening the member experience at home, looking at ways that ITE and Districts like CITE can support our Sections and Student Chapters. This aligns nicely with the work happening at CITE. With our CITE strategic plan under review, we are looking at how we can support Sections and what services we might offer in the future. As your Canadian rep, I am also supporting the development of ITE's next strategic plan so the timing is just right for improving the quality of all of our members' experiences. Please be in touch with ideas and suggestions.



from the district director



IBOD engaged in Jen's culture change exercise

President McCourt has also been keen to be more productive at IBOD meetings and has assigned homework to all board members. My assignment has been to find ways for ITE to lead and embrace industry change. Using my experience working with The City of Calgary's Innovation Lab, I took the opportunity to run a couple of activities related to culture change. Fortunately, this was well received and I will continue to have this chance at future meetings. A good reminder to put up your hand. The transportation profession is constantly poised for change and learning, both technical and organizational.

To close off, I am most excited by the students and LeadershipITE candidates I met in Washington. All were studying emerging areas and many examining those areas that connect with parallel professions [b], like active and safe routes to school, variable speed limits or solving the leaky pipeline. Thank you to Amy Jiang (Toronto Section) and Garreth Rempel (Manitoba Section) for representing us at LeadershipITE and to the University of Manitoba Section for joining the ITE conversation at our student reception. Being able to work across disciplines will serve our members well in creating liveable communities in Canada.

Best,

Jen Malzer, M.Sc., P.Eng.
Canadian District Director



2020 Class of LeadershipITE

VANCOUVER 2020

May 24–27



RESILIENT CITIES
Planning for an Uncertain Future

conference.cite7.org
#CITE2020QUAD

CITE/QUAD Joint 2020 Annual Conference

CITE and the Greater Vancouver Section welcome you to attend the CITE/QUAD Joint 2020 Annual Conference to be held May 24–27 in beautiful Vancouver, BC. QUAD is an annual conference held for transportation professionals from the four ITE Sections in British Columbia, Washington, and Oregon. Bringing together CITE and QUAD offers our members a chance to connect with the broader Pacific Northwest transportation community.

CONFERENCE PROGRAM

CITE/QUAD 2020 will offer the high quality **technical program** our delegates have come to expect. With 159 abstracts received, we'll fill a four-track program with presentations, workshops, panels, and more plus a stream of popular **technical tours**. We are also pleased to announce two #CITE2020QUAD keynote speakers: **Paty Rios** of Happy City and **Randy McCourt**, ITE International President.

Returning and new attendees alike will look forward to the **special & social events** that make our event one to remember like the Traffic Bowl, Street Hockey Challenge, Student Mixer, and Annual Banquet. Notably, this year's banquet will be a quintessential Vancouver experience: a three-hour sunset dinner cruise around the inner harbour, English Bay, and False Creek. This will be a great event to bring a partner along to!



HOTEL & REGISTRATION

Our venue and official hotel, the Sheraton Wall Centre, is nestled in the heart of downtown Vancouver. Just a short distance from waterfront parks and paths and a bustling shopping and dining scene, the Wall Centre serves as the perfect hub. Discounted room rates **available**.

With a quality technical program, exciting technical tours, and fun social activities and special events, CITE/QUAD 2020 is not to be missed! Early bird registration will open in February—keep an eye on your inbox and our **website** (conference.cite7.org) plus follow #CITE2020QUAD for updates.



MUST SEE TECHNICAL TOURS

Prepare to join some exciting technical tours at CITE/QUAD 2020. Tours will be by foot, bike, and transit, ensuring there is an option for everyone to enjoy. Here's a sampling of what's waiting for you in Vancouver:

Cycling Facilities

Vancouver's biking infrastructure is among North America's best. The city offers 325 km of bike lanes, one quarter of which are high-quality routes appropriate for cyclists of all ages and abilities. These facilities are supported by bike-friendly traffic signalization and protected intersections that now exist at several locations. Vancouver's cycling network will be showcased in a two-hour tour to be offered repeatedly over the course of the conference. It will be guided by City of Vancouver staff who will provide an insider's account of the history and context surrounding the facilities presented.

Regional Transportation Management Centre

The British Columbia provincial government opened the Regional Transportation Management Centre (TMCBC) in Coquitlam in 2013 to serve as the province's nerve centre for road conditions and traffic information. Fed by 750 cameras strategically placed on highways across the province, the TMCBC provides information to motorists by way of dynamic message signs. The Variable Speed Limit Sign system gathers traffic and weather data, adjusting speed limits to

reflect road conditions and congestion ahead. These and other features will be demonstrated by TMCBC staff.

SeaBus

Not many cities in Canada count ocean-going vessels among their transit fleet. The SeaBus crosses the Burrard Inlet six times per hour in each direction at peak times, making it an essential link between downtown Vancouver and North Vancouver. On this tour, participants will ride the SeaBus and visit the multimodal transportation hubs at each terminus of its route. It will be hosted by the Coast Mountain Bus Company, the authority that operates both the SeaBus and the transit bus fleet that serves British Columbia's Lower Mainland.

Sign up for one of these and other tours and events when you register for CITE/QUAD 2020!

SPONSOR & EXHIBIT

Conference sponsorship and exhibition offers you a unique platform to connect with decision-makers in the industry. Join these and many other leading companies to find an opportunity that connects your business goals to CITE/QUAD 2020.



Become a Sponsor or Exhibitor

Practitioner Awards

Each year, CITE sponsors an awards program to honour outstanding achievement in the transportation profession and distinguished service to CITE. The deadline for nominations is **March 1, 2020**.



Stan Teply Outstanding Technical Project Award

recognizes an outstanding transportation project that has shown significant and proven technical achievement



H. Robert Burton Distinguished Service Award

honours an individual with a notable career in the field and a record of service with CITE as the organization's most prestigious award



Outstanding Voluntary Contribution Award

celebrates a member or members who have made an outstanding voluntary contribution to CITE or its projects over the course of several years



CITE Rising Star Award

for a member under the age of 35 who has made an impact on the profession, demonstrated the ability to lead the next generation, and implemented innovative techniques to solve transportation problems

Section/Chapter Awards

These annual awards acknowledge all of the tremendous work done at the local level of CITE. All section and chapter activity report submissions are automatically considered for both awards in their respective categories.

Outstanding Section Award

recognizes the overall quality of section activities, either technical or non-technical in nature

Outstanding Student Chapter Award

recognizes outstanding accomplishments in student chapter activities that achieve the objectives set forth in the Charter

Section Momentum Award

celebrates those Sections who have achieved overall improvement from year(s) past

Student Chapter Momentum Award

celebrates those Student Chapters who have achieved overall improvement from year(s) past

Visit cite7.org/awards for nomination details.
Submissions due **March 1**.

A DECADE OF TRANSPORTATION EXCELLENCE

2010–2019 AWARD WINNERS

To ring in the start of a new decade, we would like to acknowledge award winners from the past ten years and celebrate all of the outstanding transportation professionals who came before. See the full lists of award winners at cite7.org/awards.

■ H. Robert Burton Distinguished Service Award

2019 – Jeannette Montufar, Manitoba Section
2018 – Joanna Kervin, Toronto Section
2017 – Jim Gough, Toronto Section
2016 – Jan Voss, Greater Vancouver Section
2015 – Michael Skene, Vancouver Island Section
2014 – Dan Havercroft, Hamilton Section
2013 – Dr. John Morrall, Southern Alberta Section
2012 – Alf Guebert, Southern Alberta Section
2011 – Ralph Hessian, Atlantic Provinces Section
2010 – John McGill, Toronto Section

■ Outstanding Voluntary Contribution Award

2019 – Dave Richardson
2018 – Sean Nix
2017 – Garrett Donaher
2016 – Dale Bracewell
2015 – Don Cook
2014 – Jeannette Montufar
2013 – Simon Tam
2012 – Not Awarded
2011 – Jim Gough
2010 – Jan Voss

■ Stan Tepy Outstanding Technical Project Award

2019 – City of Calgary, Macleod Trail and 162 Avenue, Diverging Diamond Interchange Project
2015 – Gene Chartier, Promoting Sustainable Transportation Through Site Design
2014 – Dr. Jeannette Montufar, Pedestrian Crossing Control Guide
2010 – Denis Agar

■ CITE Rising Stars Program

2019 – Amy Jiang & Rebecca Peterniak
2018 – Iriini Akhnoukh
2017 – Erin Toop
2016 – Garreth Rempel
2015 – Tyler Golly

NEW BURSARY & AWARD OPPORTUNITIES

The Jenn & Jan Voss Travel Bursary for Women in Transportation Engineering

CITE is pleased to announce a new annual travel bursary for five candidates at \$1000 per person to provide additional funding support for women in transportation engineering. This bursary is intended to encourage women who are in the early stages of their career and no longer in school to actively participate at CITE conferences.

Go to cite7.org/awards for full details about these opportunities



**Transportation
Achievement
Awards**

The ITE International Transportation Achievement Awards is awarded for excellence in the advancement of transportation to meet human needs. Awards will be presented in the categories of Complete Streets, Transportation Systems Management and Operations (TSMO), Safety, Planning, and Traffic Engineering. Please note that this is an ITE International award. CITE will select the Canadian nominees to put forward.

CITE STUDENT SCHOLARSHIPS & AWARDS



APPLY BY
MAR 1, 2020*
at cite7.org

Scholarships and awards offered annually by CITE for students at accredited Canadian universities and colleges. Winners receive free registration and travel to the CITE Annual Conference and recognition at the CITE Awards Luncheon in Vancouver, BC taking place 24-27 May 2020.

■ **Dr. Michel Van Aerde Memorial Scholarship**

\$3,000

For full time students in a transportation doctorate-level program at a Canadian university.

■ **CITE Watt Consulting Group "Transportation in a Sustainable World" Student Award**

\$1,000

Awarded based on the quality of writing and demonstrated appreciation of interdisciplinary collaboration in a 1,000+ word paper.

Sponsored by:



■ **John Vardon Memorial Scholarship**

\$3,000

For full time students in a transportation master's-level program at a Canadian university.

■ **Student Paper Competition**

\$1,500

For students in accredited transportation programs, awarded based on the quality of a paper addressing a transportation engineering subject.

Sponsored by:



■ **CITE Undergraduate Scholarship**

\$3,000

Scholarship for an undergraduate student in planning, geography, or engineering.

■ **Canadian Capacity Guide Competition**

\$500 (Second: \$300, Third: \$200)

An undergraduate student competition based on the Canadian Capacity Guide for Signalized Intersections (CCG) using PTV Vistro 2020.

Sponsored by:



**Deadline for CCG Competition is Feb 28, 2020*

Apply at cite7.org/awards

■ Dr. Michel Van Aerde Memorial Scholarship

2019 – Mohamed Essa, University of British Columbia
 2018 – Seiran Heshami, University of Calgary
 2017 – Andrew Northmore, University of New Brunswick
 2016 – Hamed Shahrokhi Shahraki
 2015 – Maryam Moshiri
 2014 – Soroush Salek Moghaddam
 2013 – Bidoura Khondaker
 2012 – Akram Nour
 2011 – David Duong
 2010 – Samah El-Tantawy

■ John Vardon Memorial Scholarship

2019 – Laura Cabral, University of Alberta
 2018 – Abby Scaletta, University of Manitoba
 2017 – Kathy Tin Ying Hui, University of Alberta
 2016 – Giuseppe Grande, University of Manitoba
 2015 – Bianca Popescu
 2014 – Adam Budowski
 2013 – Coady Cameron
 2012 – Erin Toop
 2011 – Keenan Patmore
 2010 – Maryam Moshin

■ CITE Undergraduate Scholarship

2019 – Chandler White, University of British Columbia
 2018 – Syed Imam, University of Toronto
 2017 – Chris Delawski, Lakehead University
 2016 – Amanda Pushka
 2015 – Cody Raposo
 2014 – Adam Rosenfield
 2013 – Ruolin Shi
 2012 – Kevin Yeung
 2011 – Courtney McCarthy
 2010 – Denis Agar

■ Student Paper Competition

2019 – Not awarded
 2018 – Ahmed Osama Amer, University of British Columbia
 2017 – Caleb Olfert, University of Manitoba
 2016 – Caitlin Sowers
 2015 – James Lamers
 2014 – Md (Monir) Moniruzzaman
 2013 – Erin Toop
 2012 – Amir Ghods
 2011 – David Duong
 2010 – Feng Wei

■ Canadian Capacity Guide Competition

2019 – Joshua Thompson, Ryerson University
 2018 – not awarded
 2017 – Allister Aresta, McMaster University
 2016 – Robert Pajacki, Ryerson University
 2015 – Gabriel Wolofsky, University of Toronto
 2014 – Chris Chahil, Mohawk College
 2013 – Ross Patrick, Mohawk College
 2012 – Alan Fournier, University of Calgary

■ CITE Watt Consulting Group “Transportation in a Sustainable World” Student Award

2019 – Not awarded
 2018 – Joseph Dominicus, McMaster University
 2017 – Caleb Olfert, University of Manitoba
 2016 – Victor Douglas Ngo
 2015 – Bianca Popescu
 2014 – Simon Button
 2013 – Coady Cameron
 2012 – Matthew Mulkern
 2011 – Keenan Patmore
 2010 – Garreth Rempel

■ Student Presentation Competition

2019 – Karalee Klassen-Townsend, University of Manitoba
 2018 – Anita Kyle, University of British Columbia Okanagan
 2017 – Wade Genders, McMaster University
 2016 – Sabrina Moore/Will Montforton
 2015 – Jason Hawkins
 2014 – Rebecca Peterniak
 2013 – Mark Reimer
 2012 – Mark Harrold
 2011 – Ryan Eslinger
 2010 – Jason Dahl

More about CITE AWARDS



Read and download recent winning student papers >> [CITE library](#)



Get more information about award requirements and see all of the past scholarship & award winners >> cite7.org



Council Updates from ITE

ITE technical council, employer-type council, and standing committee chairs are members of the Coordinating Council (CoCo) of the Institute of Transportation Engineers. As the TLC chair and ITE representative, Irini Akhnoukh sits on CoCo as the District 7 (Canadian) representative. Her role on CoCo is gathering intel on the initiatives the technical councils are undertaking, ensuring Canadian representation on upcoming technical products, and finding Canadian volunteers for task forces and sub committees as required. See the graphic on the next page for opportunities to get involved with ITE International's technical councils and committees.

The ITE Coordinating Council (CoCo) met in Washington, D.C. in early January in one of the bi-annual in person meetings. During the meeting, Councils discussed the different initiatives for 2020 and things to look forward to which included:

- A calendar of webinars and training opportunities that will be put forward by the technical councils
- A Micromobility Design Practitioner's Guide
- Emerging trends

In addition, there is an initiative to collect member questions, thoughts, concerns, and ideas concerning the topic of **Big Data** and data analytics, how the use (or non-use) of data is playing out in companies and agencies, and what activities and products ITE members would find most valuable in this area. Feedback will likely be collected at the district conferences so look forward to a potential session on this topic at the 2020 CITE Conference.

CITE is also looking at appointing a Canadian Representative to be on each Council and TLC will be putting out a call for individuals interested in serving on the ITE technical councils in the next couple of months. If this sounds like something you would like to get involved in, keep your eyes open for the call for volunteers.

On other TLC items, we would like to remind members of the revamped **Stan Teply Outstanding Technical Project Award** which is now open for nominations. Please consider nominating a project that you think fits the criteria of this award.

Also new this year is the **ITE Transportation Achievement Awards** recognizing excellence in a number of categories. Nominations can be submitted to CITE who will put forward the Canadian nominees to ITE International.

If you have any ideas, questions, or comments, you can contact the TLC at tlc@cite7.org.



Stan Teply Outstanding Technical Project Award


Nominate an outstanding project that showcases excellent technical achievement in transportation planning and/or engineering.

GET INVOLVED!

**DEVELOP LEADERSHIP SKILLS.
ADVANCE YOUR CAREER. INFLUENCE CHANGE.**



COUNCILS & COMMITTEES ARE ITE'S TECHNICAL ENGINE



Advance
the transportation profession



Develop
new technical products



Focal point
for discussions on common interest



Contribute
to ITE's body of knowledge

6 TECHNICAL COUNCILS



- Complete Streets
- Transportation Forensics and Risk Management
- Transportation Planning
- Transportation Safety
- Transportation Systems Management and Operations
- Traffic Engineering

(Plus 8 technical standing committees)

3 EMPLOYER-BASED COUNCILS



- Public Agency
- Transportation Consultants
- Transportation Education

ACTIVITIES



- Develop best practice webinars on a range of transportation-related topics
- Create new technical publications (informational reports, recommended practices, case studies, white papers, etc.)
- Identify developing trends and emerging practices in the industry
- Develop sessions for the ITE Annual Meeting and Exhibit
- Convene on-line discussion through ITE's e-Community

RECENT PUBLICATIONS

-  Curbside Management Practitioners Guide (**Complete Streets Council**)
-  Pedestrian and Bicyclist Safety in Parking Facilities Informational Report (**ITE Planning Council/Parking Standing Committee**)
-  Transit & Traffic Impact Studies Informational Report (**Transit Standing Committee**)
-  Protected Bikeways Practitioners Guide (**Complete Streets Council**)

**ITE COUNCILS AND COMMITTEES HAVE MORE THAN 7,400 MEMBERS,
350 LIBRARY ITEMS, AND 3,500 DISCUSSION POSTS.**

IT IS FREE FOR ITE MEMBERS TO JOIN AN UNLIMITED NUMBER OF COUNCIL/COMMITTEES.

For more information on ITE, visit www.ite.org or email ite_staff@ite.org.

**Alyssa A. Reynolds
Rodriguez, P.E., PTOE (F)**

Assistant Director, Public Works
City of Henderson Nevada
Henderson, Nevada, USA
Alyssa.rodriguez@cityofhenderson.com

FOR INTERNATIONAL PRESIDENT

ITE has experienced significant change over the last several years, and now is the time to capitalize on the strong base our leaders have established. The following elements are the recipe for sustainable expansion.



Foster Our Legacy – We need to nurture the energy, diversity, and enthusiasm seen within the student chapters and facilitate student transition into full membership. Our duty is to create an environment where current leaders help develop future leaders and where opportunity is distributed across the Institute.

Embrace Diversity – Variety in experience, opinion, and thought generate well rounded, whole ideas that support our goal of transportation for all. This means including diverse voices in our conferences, in technical product creation, and in leadership development. In addition, we need to create products that are useful to a diverse local and international membership in a format they prefer.

Create Opportunity – ITE is most valuable to those who fully partake in what the organization has to offer. This can be achieved by offering numerous and varied volunteer opportunities with a duration range that matches the availability of our members. Delivering products in a timely fashion helps participants see that their efforts are immediately valuable and useful.

Sponsor and Encourage – It's not enough to get people to a conference or a luncheon, they must feel welcome and want to return for the next event. That requires leaders to encourage event attendee participation, actively match members with projects, and sponsor promising individuals for roles in the organization. Reaching even just a few people can have a large effect on long-term participation.

From professional development to the creation of lifelong friendships, ITE has been the catalyst for so much personal growth and opportunity. I've been fortunate to serve in elected positions at the student, Chapter, Section, District, and international levels and to work in academia, consulting, and public service. That offers a perspective into ITE membership of all types. I am so honored to have an opportunity to give back to ITE.



VOTE

Dear Voting Member:

The future of ITE and the direction and course of its programs and activities are greatly influenced by the leaders you elect to represent you. The ITE Nominating Committee has nominated the following candidates for the offices of International President and International Vice President for 2021:

For International President:

Alyssa A. Reynolds Rodriguez, P.E., PTOE (F)

For International Vice President:

Jason A. Crawford, P.E. (F)

Beverly Thompson Kuhn, Ph.D., P.E., PMP (F)

The Election Ballot will open on February 12, 2020 at 12:00 noon ET and will close at noon ET on March 13, 2020. Written consent to hold office, if elected, has been received from each candidate. The publication of this notice complies with Article V of the ITE Constitution.

I encourage you to become familiar with the qualifications and visions of the candidates and exercise your right to shape ITE's future by casting your vote to select the 2021 ITE International President and International Vice President. The following page contains a brief statement from each of the candidates. You can learn more by visiting <https://www.ite.org/about-ite/2020-candidates-for-international-board/>.

Look for question and answer conversations with the International Vice Presidential candidates, which will be posted to the ITE Community in the days leading up to the election.

Once you have decided for whom you wish to vote, you will cast your e-ballot by entering your specific login data (a unique link to vote will be sent to eligible members via e-mail when the election opens on February 12). You must cast your e-ballot no later than noon ET on March 13, 2020. You will receive an e-mail confirmation of your vote.

Your vote will remain confidential. The election results will be announced on the ITE website the week of March 16, 2020 and in the April 2020 issue of *ITE Journal*.

Sincerely,

Jeffrey F. Paniati, P.E.
ITE Executive Director and CEO



Jason A. Crawford, P.E. (F)



Division Head | Research Engineer, Texas A&M Transportation Institute, Arlington, Texas, USA

LinkedIn: @jason4ite | Facebook: @jason4ITE
Twitter: @j_crawford | j-crawford@tti.tamu.edu

ITE has made significant and bold changes over the last 5 years to strengthen its role as the leading voice in transportation and to make ITE the professional association for a community of diverse transportation professionals. I was fortunate to serve as Texas District

Director and now as Coordinating Council Chair on the International Board with strong leaders as these changes incubated and matured. My vision for sustaining and building on our recent successes is a commitment to delivering compelling member value throughout ITE products, programs, and services.

Technical Products – ITE produces reputable and respected technical products. We must strengthen member engagement in our technical councils to identify and create new content that meets technical needs in the profession and our evolving workforce. We can promote greater involvement from districts into council products to provide well-rounded technical content. We can improve existing technical products that have been a foundation of ITE in ways that reflect changes in our profession. We can create forward-looking resources that can be easily updated with current examples to help practitioners perform their jobs.

Learning Channels – ITE has a strong catalog of continuing education opportunities. We can improve marketing of our webinar and podcast channels that supplement the extensive program base delivered through our district, section, and international meetings. We should identify and pilot new innovative learning channels that best meet the needs of our members. We must endeavor for topic and speaker diversity in our technical programs to meet the needs for all members.

Networking – ITE is a diverse family where people make life-long career and personal connections. We must promote welcoming and recognizing new members at meetings to encourage their membership. We can strengthen and promote consistency between ITE's affinity groups under the ONE ITE platform so members have clear expectations of their experience across ITE. We should promote growth of the mentor program across all levels of work experience as we continue to grow throughout our careers.

Leadership Opportunities – ITE has abundant opportunities both for members to assume leadership positions, and to learn and sharpen their leadership skills through training. *LeadershipITE* and student leadership summits are valuable training for our future leaders, and we can place these program participants into various task and project leadership opportunities. We should promote microvolunteering within all levels of ITE to match enthusiastic members with the many needs we have. We can develop a streamlined onboarding experience for our new elected leaders to help them grow professionally and be more effective at their roles in supporting their goals and ITE initiatives.

ITE has given me so much through my service in leadership positions at the student chapter, section, district, and international levels. The life-long learning, networking, and leadership opportunities have allowed me to grow both personally and professionally. My ITE peers and friends are an extension of my family. I am committed to serving ITE's members by improving your experience, and delivering compelling value to you.

Beverly Thompson Kuhn, Ph.D., P.E., PMP (F)



Division Head | Senior Research Engineer, Texas A&M Transportation Institute College Station, Texas

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LinkedIn: @beverlykuhn
b-kuhn@tti.tamu.edu

"Diversity is having a seat at the table, inclusion is having a voice, and belonging is having that voice heard."

– Liz Fosslien and Mollie West Duffy

Transportation plays an important role in the overall prosperity of our communities and their citizens. I believe that ITE can help ensure that our members and our neighbors are not only included, but heard in a meaningful dialogue so that their needs are met and they can realize the future they want for themselves and their families. As transportation professionals, we are an integral part of helping make their success a reality. After 30 years of active involvement in ITE at all levels, I am excited to have the opportunity to serve our membership and lead ITE into the future.

Diversity, Collaboration, and Leverage

Embrace Diversity – The differences in our backgrounds enrich our experiences as members of ITE and the communities in which we live and serve. I believe that by embracing all aspects of our diversity, we can offer a more open exchange of ideas and develop solutions that help ensure a resilient, sustainable, and equitable transportation system that is inclusive and responsive to the needs of everyone.

Enhance Collaboration – Transportation has a broad impact on society, presenting challenges and opportunities for such issues as safety, the environment, health, land use, economic development, freight, housing, and rural livability. Transportation is intertwined with all of these elements. We need a broad understanding of the impacts our decisions have on the overall quality of life and the long-term prosperity of our communities. Expanding our ongoing engagement with other professional organizations and groups can enhance collaboration and offer viable solutions to the challenges we face. These linkages can help us remove barriers, increase flexibility, and identify ways to invest taxpayer dollars more efficiently to improve local communities.

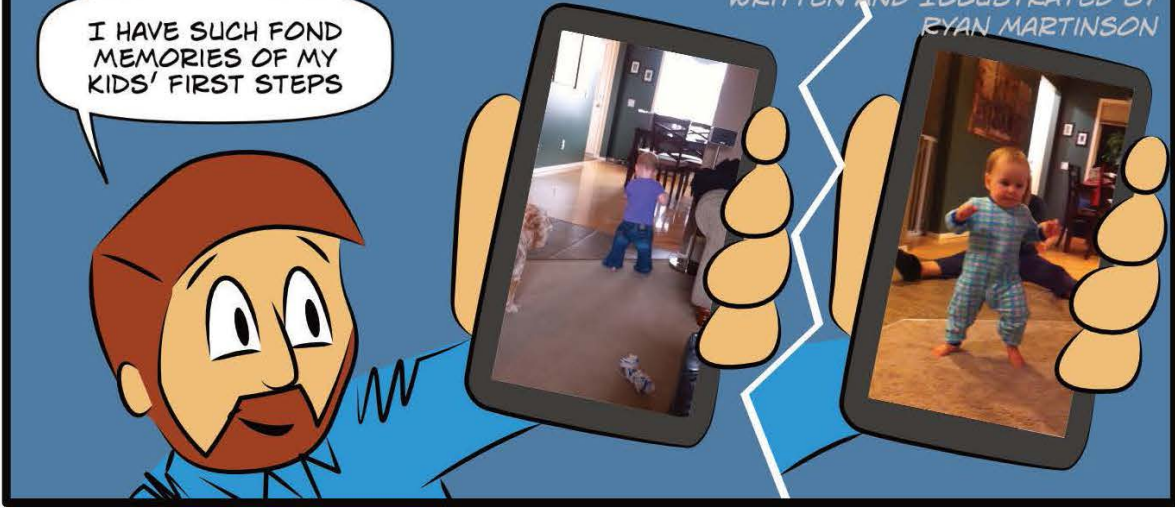
Leverage the Councils and Committees – The ITE Councils and Standing Committees serve a critical role in identifying developing trends and how we as transportation professionals can address these trends. We need to leverage the expertise and leadership of these groups to foster a healthy dialogue among our members from across the globe. This dialogue, combined with the collaborative spirit inherent in ITE, will result in quality products and resources that incorporate new and diverse perspectives to become essential tools for our members and for the overall profession.

I have served ITE in various capacities since joining as a student at Texas A&M University and saw the organization as an integral part of my transportation future. Over the years, I have found ITE to be one of the best investments I have ever made in my career. I have gained a vast wealth of experience and insight into our profession and have made lifelong friends along the way. I am honored to have been selected as a candidate for ITE International Vice President, and I am excited to share my vision for ITE with you.

NURTURING THE FIRST STEPS

WRITTEN AND ILLUSTRATED BY RYAN MARTINSON

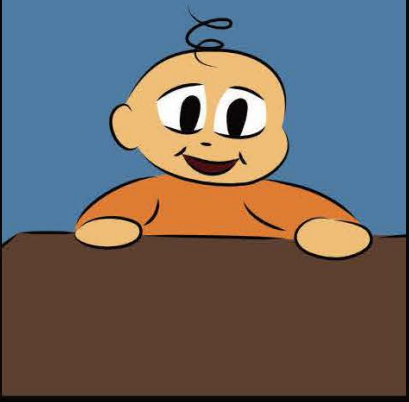
I HAVE SUCH FOND MEMORIES OF MY KIDS' FIRST STEPS



IT SHOWED THEIR DETERMINATION...



... ACHIEVEMENT OVER SOMETHING THEY WORKED HARD AT, AND...



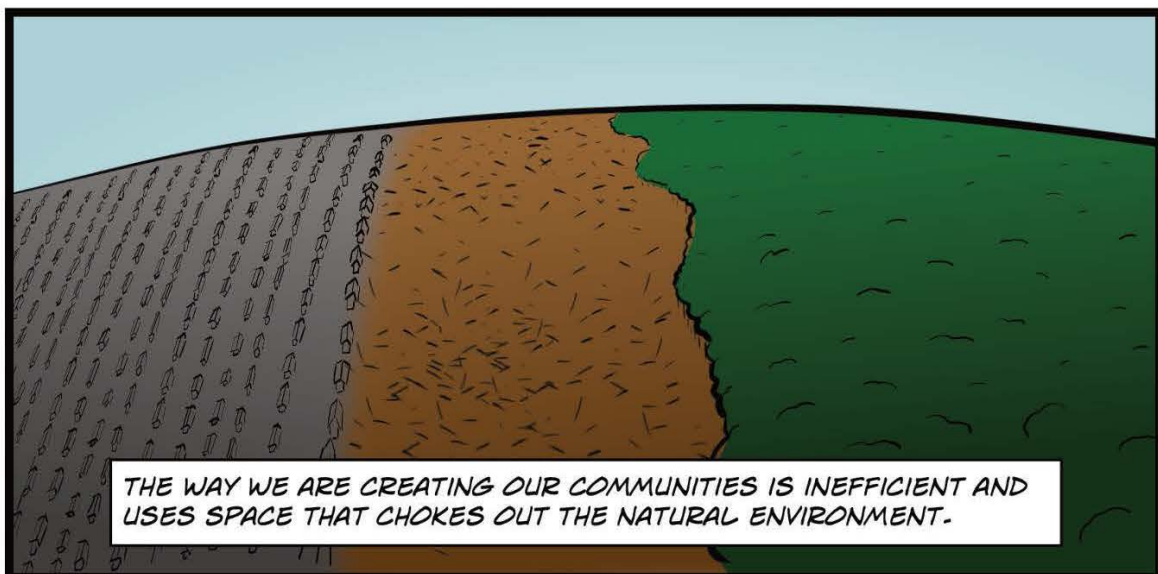
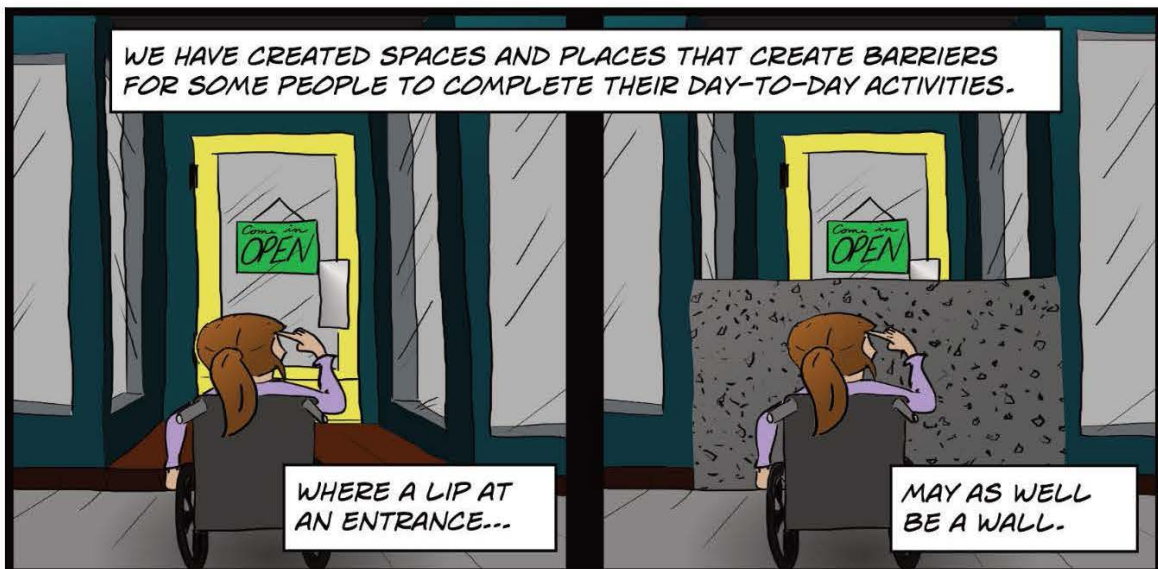
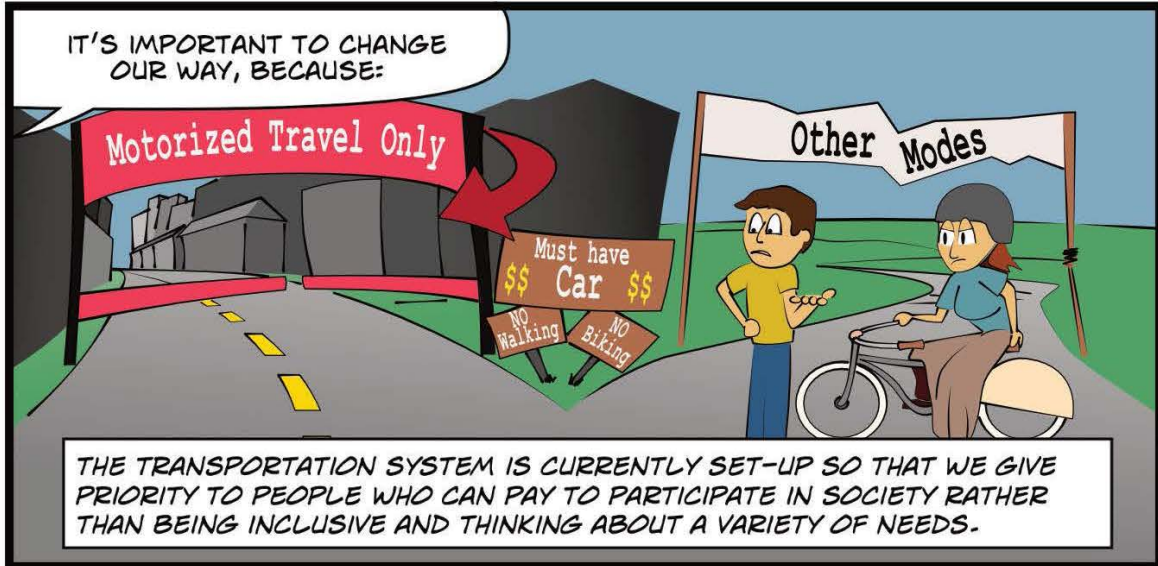
THE START OF THEIR INDEPENDENCE.

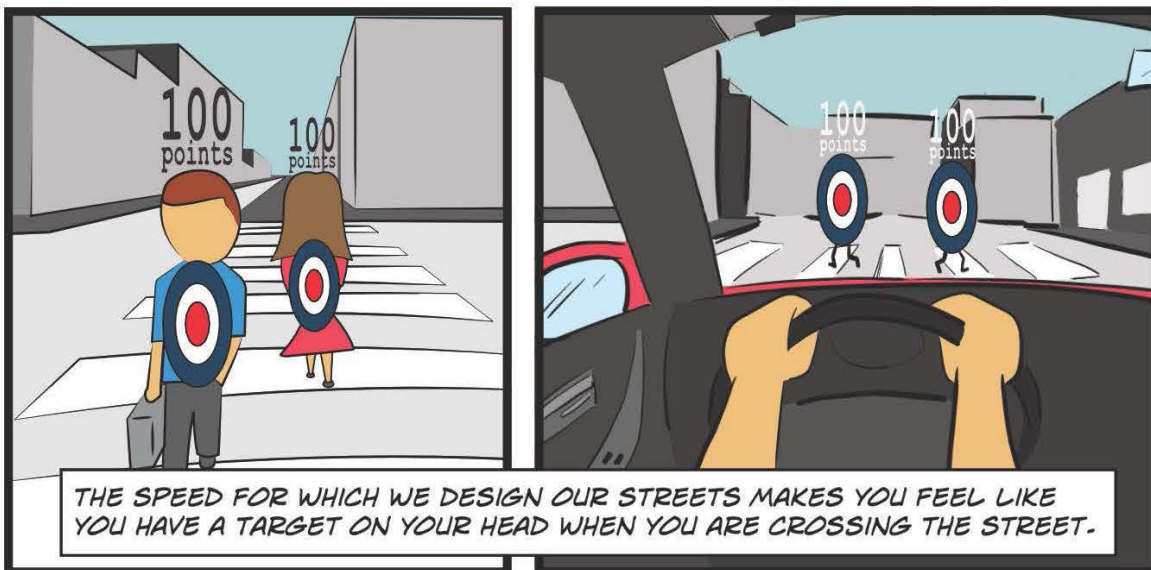


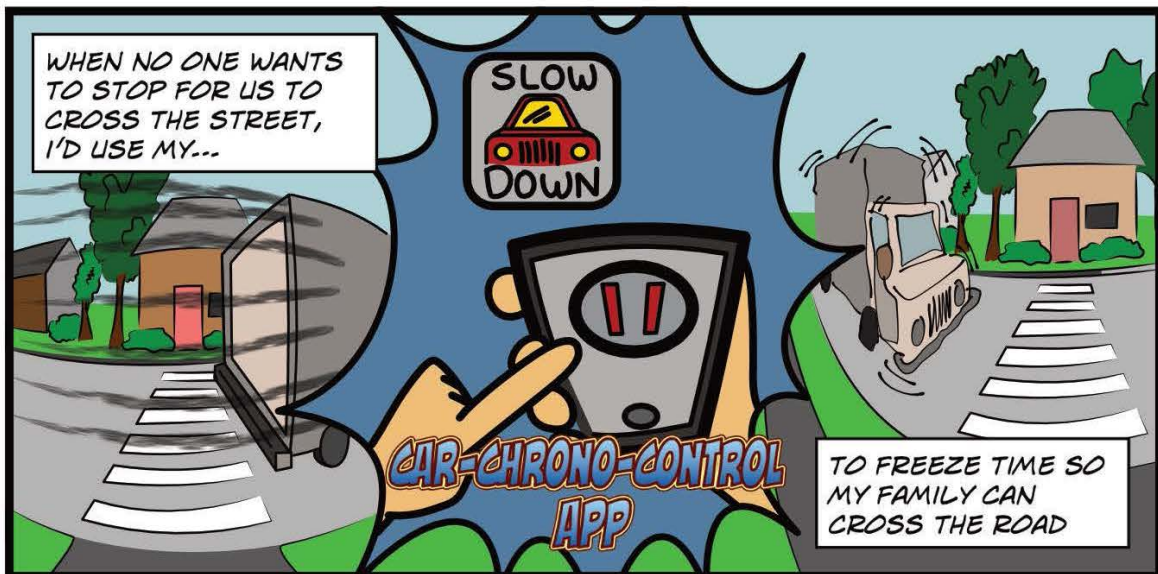
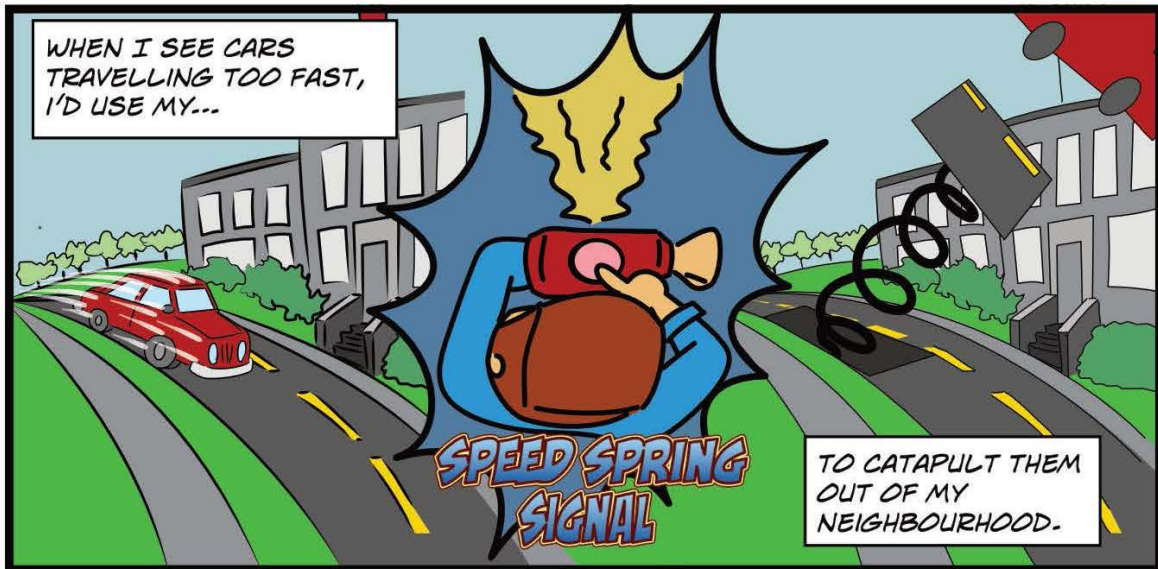
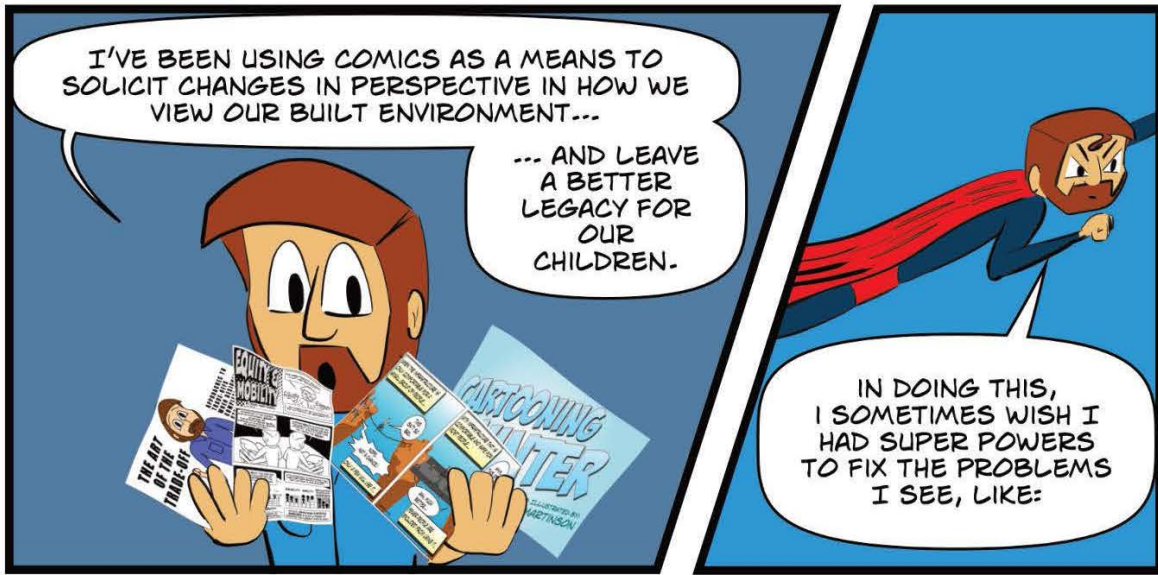
GOOD GRIEF!

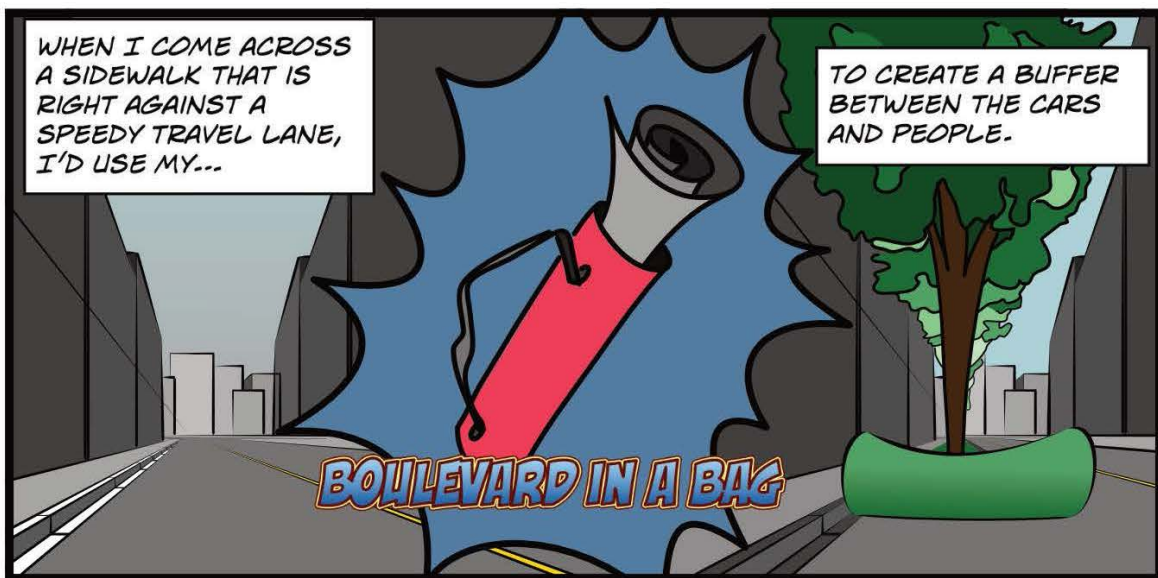
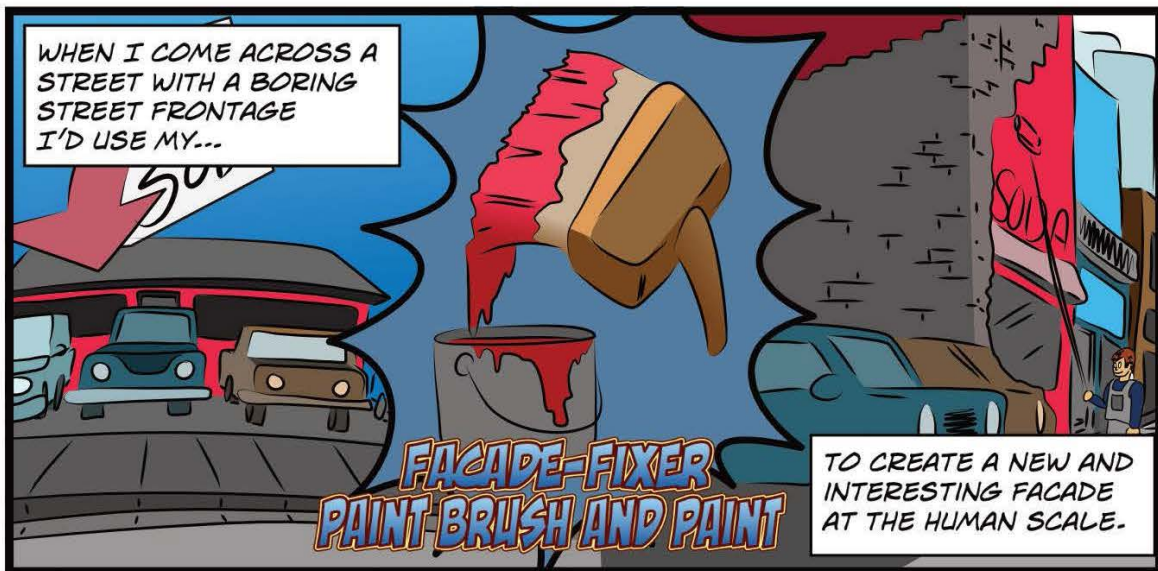
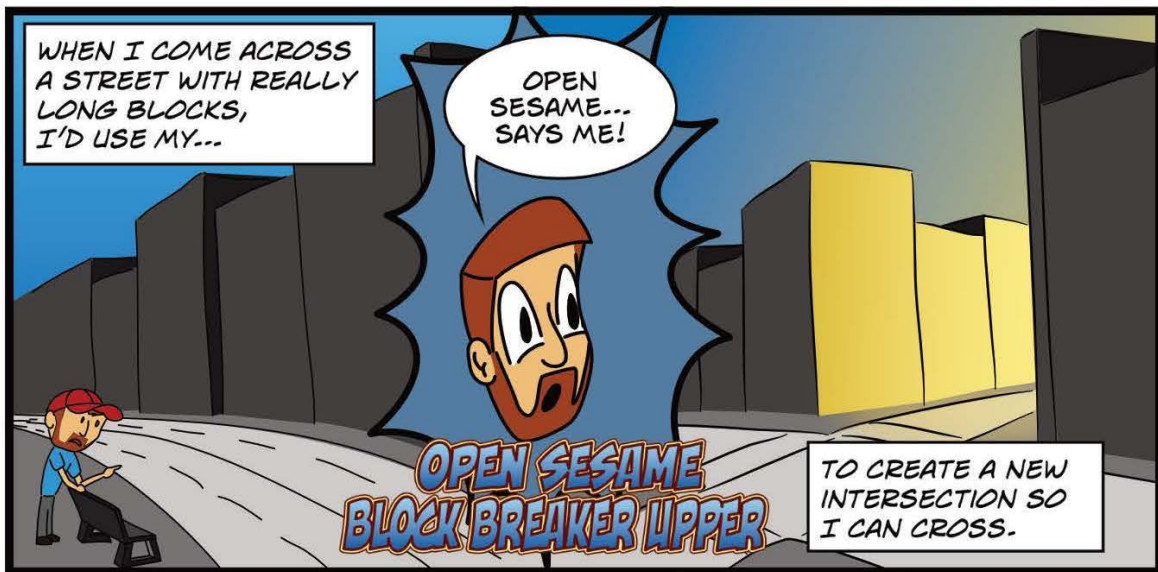


BUT AS STEWARDS OF THE BUILT ENVIRONMENT THAT WE WILL LEAVE THEM, WE ARE NOT NURTURING THOSE STEPS. INSTEAD, WE HAVE CREATED PLACES WHERE WALKING IS INCONVENIENT, UNCOMFORTABLE, AND UNSAFE.









WHEN I COME ACROSS A DRIVEWAY THAT ENCRDACHES ON THE SIDEWALK SPACE, I'D USE MY...

DRIVEWAY RE-DESIGN RAY GUN

TO CHANGE IT TO A BETTER WALKING AND ACCESSIBLE DRIVEWAY DESIGN.

WHEN I FEEL LIKE I'VE AGED A GENERATION WAITING FOR THE LIGHT TO CHANGE, I'D USE MY...

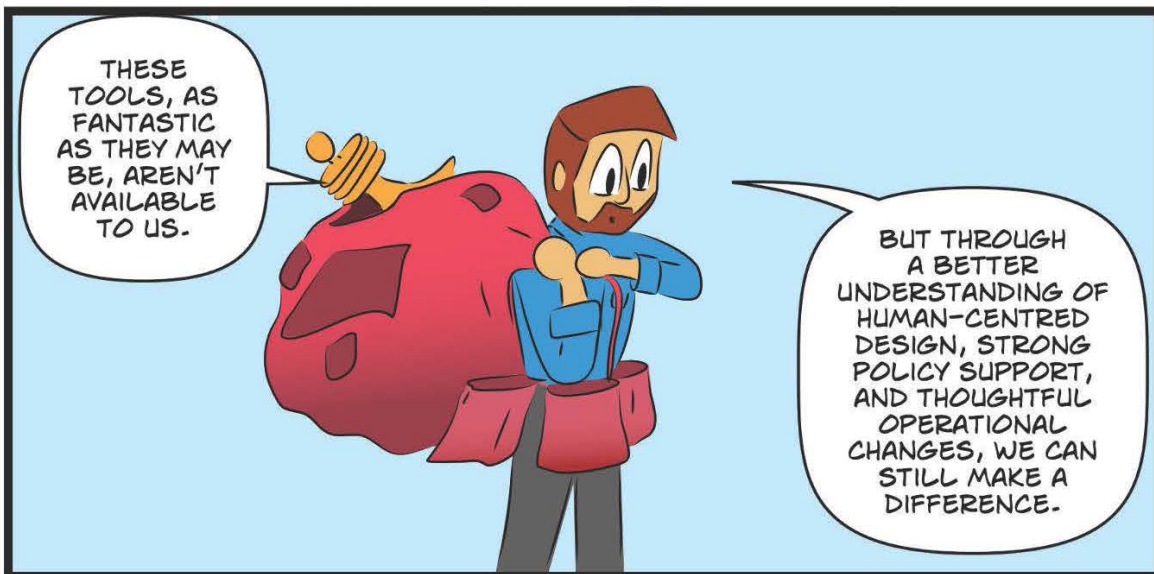
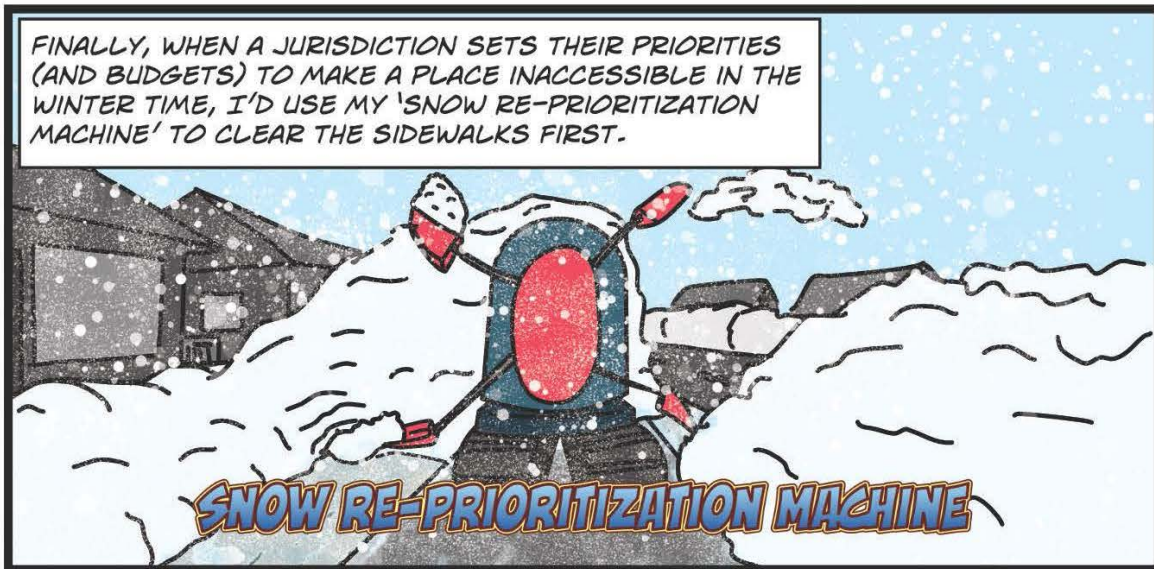
BEG BUTTON ... BUTTON

TO GET A WALK SIGNAL RIGHT AWAY BECAUSE MY TIME MATTERS, TOO!

WHEN THERE ISN'T ENOUGH SPACE TO WALK SIDE-BY-SIDE ON THE SIDEWALK, I'D USE MY...

SIDEWALK GAINING GLOVES

TO WIDEN THE SIDEWALK TO A DIGNIFIED DIMENSION.

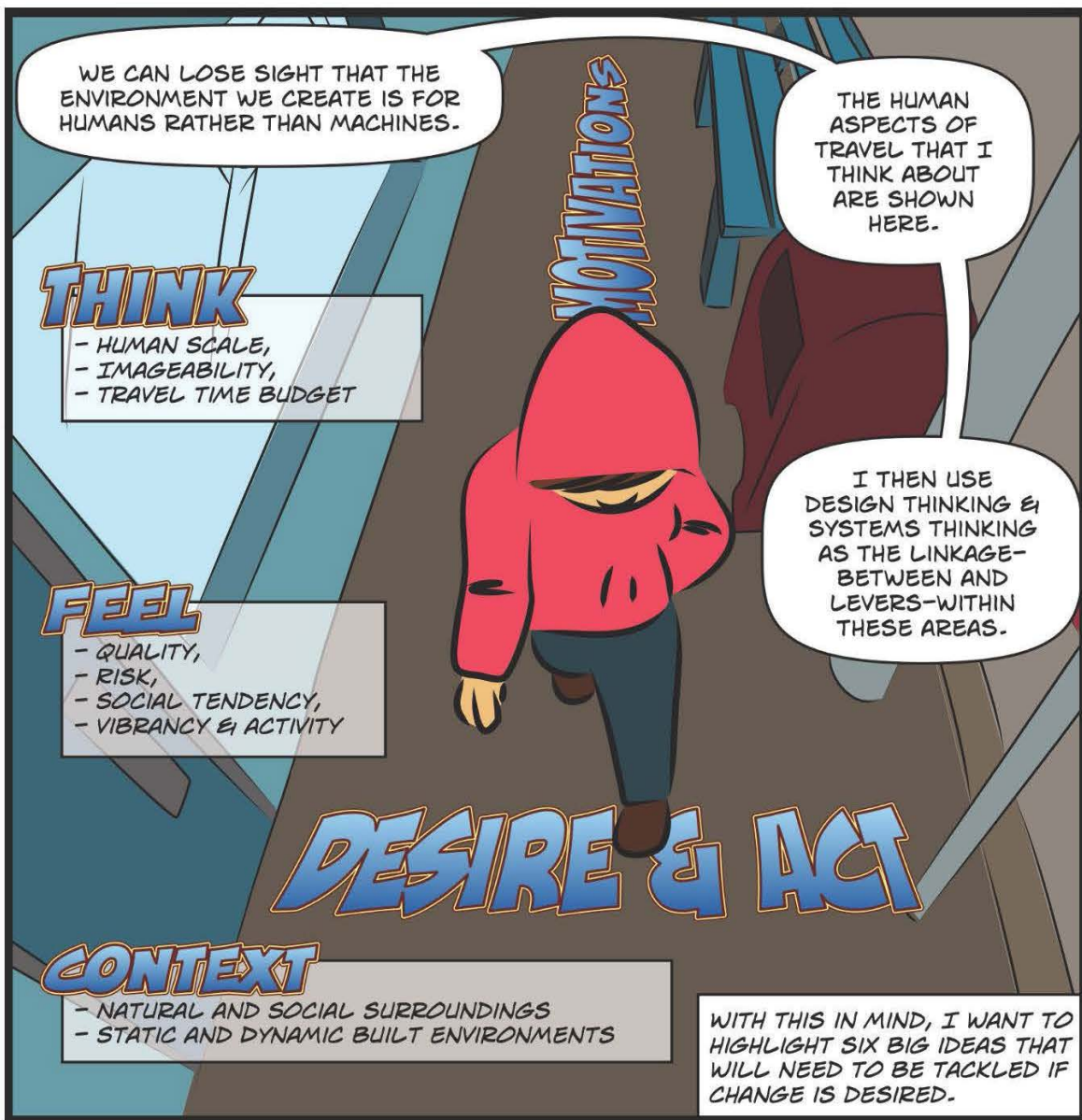




MMM...
PHYSICAL
CHANGES NEED
TO TAKE PLACE,
THEY MUST.

UNSEEN FORCES,
THERE ARE,
THAT WARRANT
DISCUSSION...
MMM

SOME TO THINK
ABOUT, ARE...



WE CAN LOSE SIGHT THAT THE
ENVIRONMENT WE CREATE IS FOR
HUMANS RATHER THAN MACHINES.

THE HUMAN
ASPECTS OF
TRAVEL THAT I
THINK ABOUT
ARE SHOWN
HERE.

THINK

- HUMAN SCALE,
- IMAGEABILITY,
- TRAVEL TIME BUDGET

I THEN USE
DESIGN THINKING &
SYSTEMS THINKING
AS THE LINKAGE-
BETWEEN AND
LEVERS-WITHIN
THESE AREAS.

FEEL

- QUALITY,
- RISK,
- SOCIAL TENDENCY,
- VIBRANCY & ACTIVITY

DESIRE & ACT

CONTEXT

- NATURAL AND SOCIAL SURROUNDINGS
- STATIC AND DYNAMIC BUILT ENVIRONMENTS

WITH THIS IN MIND, I WANT TO
HIGHLIGHT SIX BIG IDEAS THAT
WILL NEED TO BE TACKLED IF
CHANGE IS DESIRED.

1 USING SURVEY DATA COLLECTED IN MY MASTER'S THESIS, IT WAS FOUND THAT THE LEVEL OF DISCOMFORT FOR A PERSON WALKING WAS HEAVILY INFLUENCED BY THE SPEED AND VOLUME OF THE VEHICLES ON THE STREET.

WHEN THERE WERE A LOT OF VEHICLE PRESENT, BUT TRAVELLING SLOWLY, THE DISCOMFORT COULD BE SCORED AS -5

WHEN THERE WERE FEWER VEHICLES, BUT THEY WERE TRAVELLING FAST, THE DISCOMFORT WAS -14, SUGGESTING SPEED MANAGEMENT IS CRITICAL!

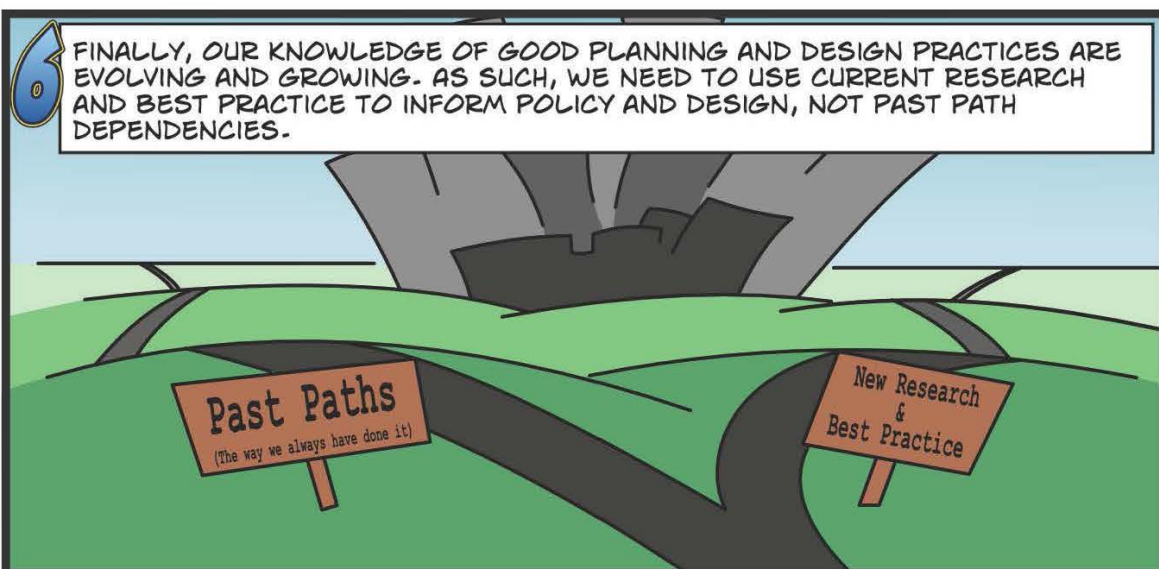
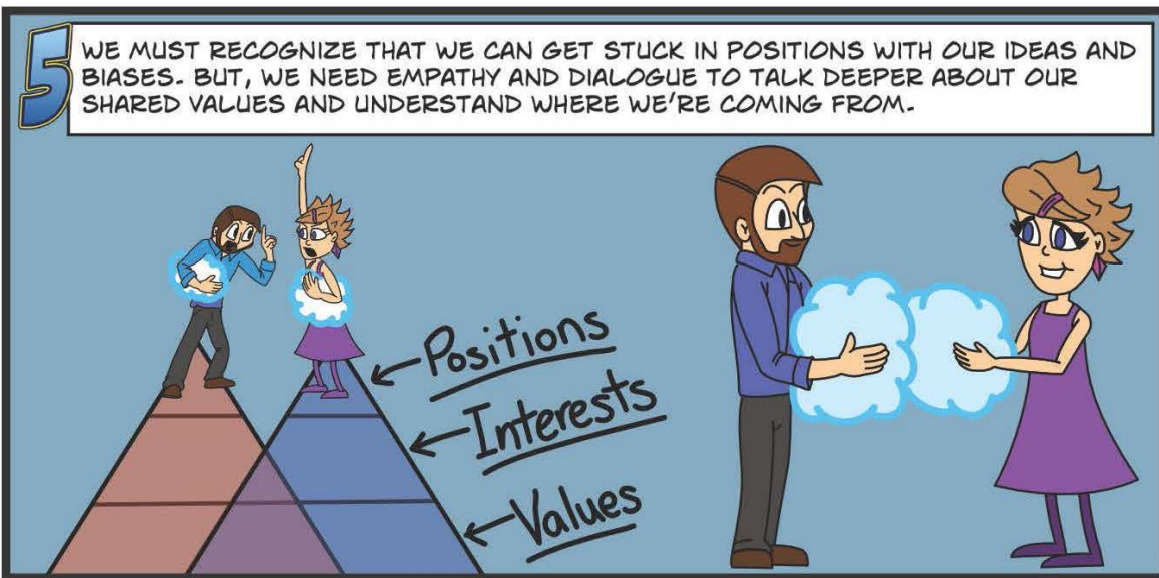
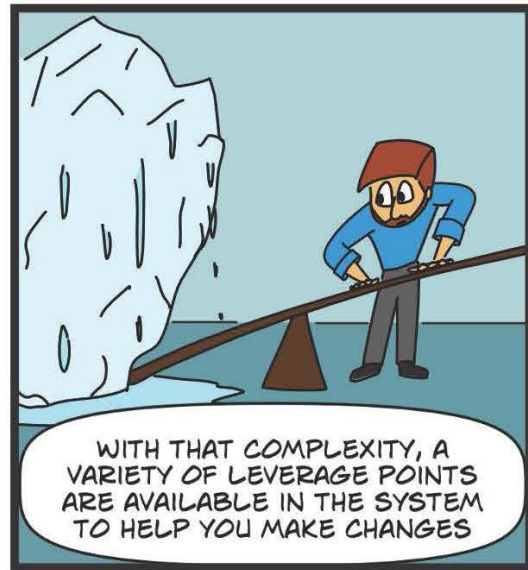
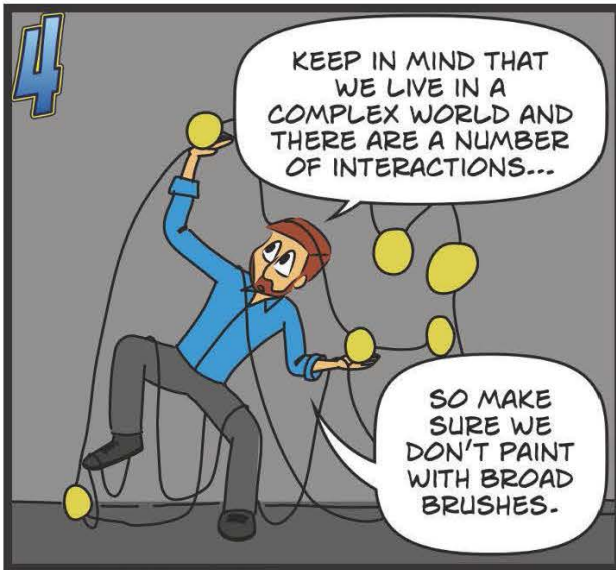
2 THE WAY WE BEHAVE IS INFLUENCED BY HOW WE PERCEIVE RISK. THAT RISK CAN BE INFLUENCED BY THE TOOLS WE USE, THE CONTEXT WE ARE IN, AND THE INTENTIONS WE HAVE.

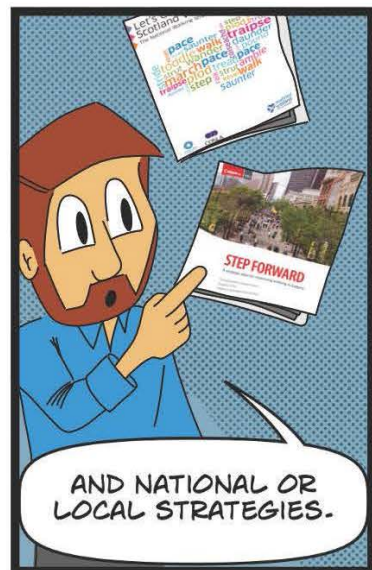
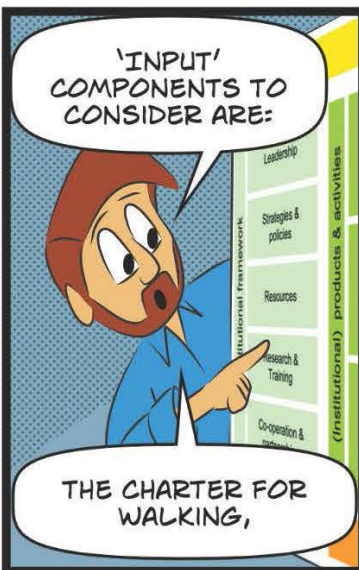
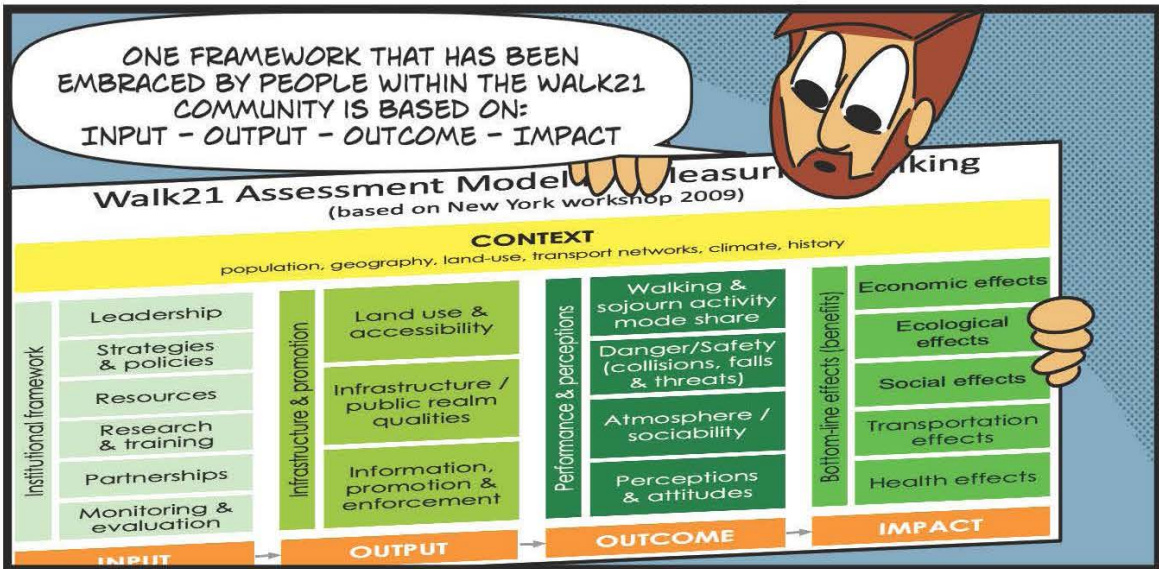
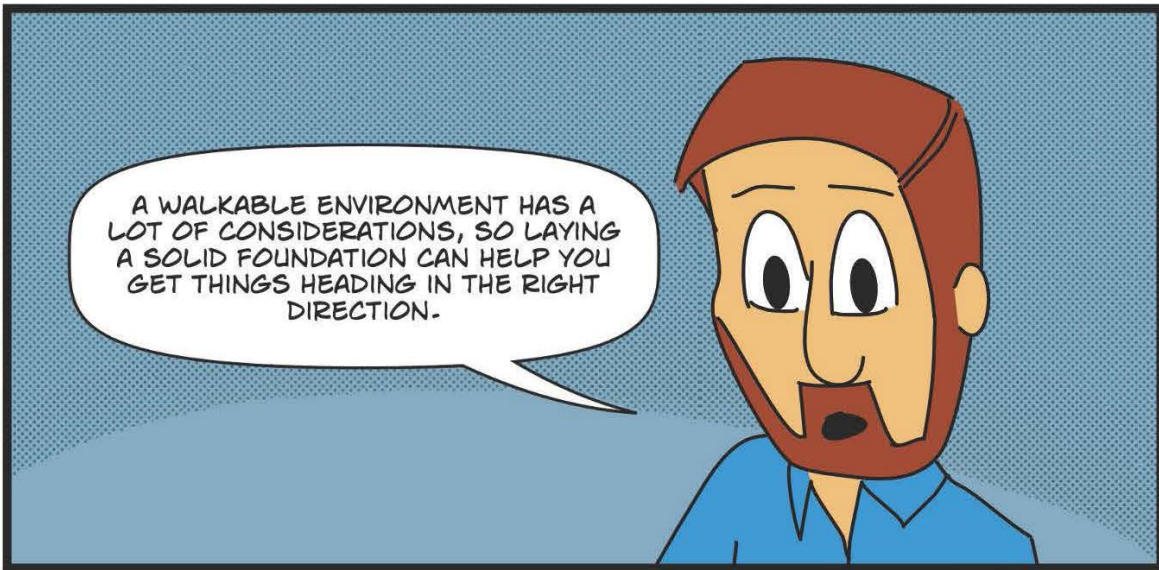
THE TOOLS WE USE TO TRAVEL (LIKE CARS, BIKES, OR FEET) INFLUENCES HOW WE PERCEIVE RISK AND THEN HOW WE ACT.

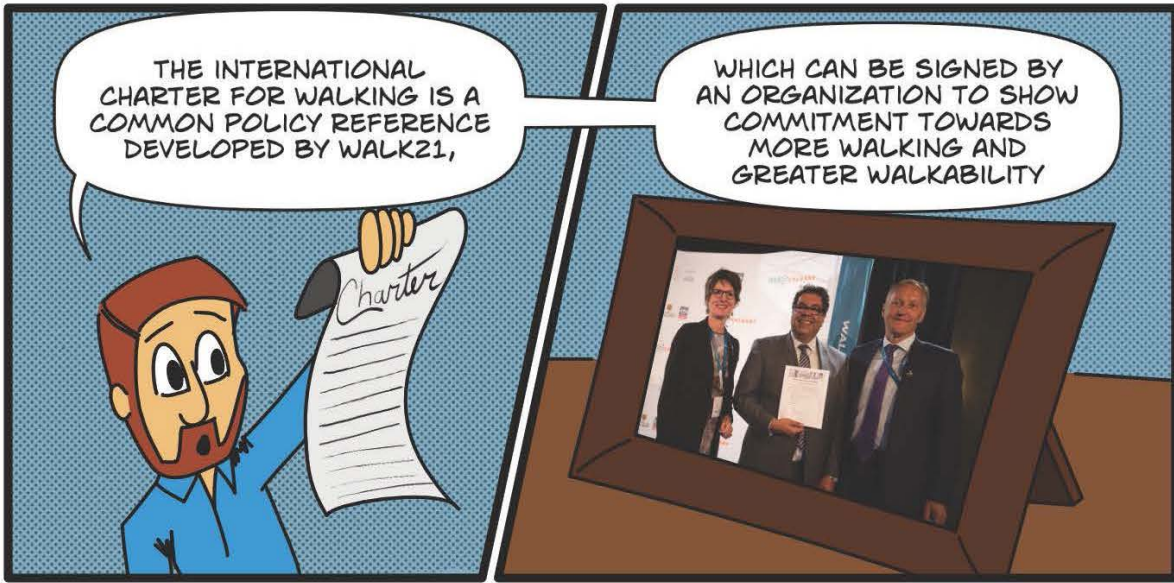
3 PERCEPTION OF HARM INFLUENCES OUR COMFORT. HOW SOFT AND SQUISHY OBJECTS (HUMANS) INTERACT WITH HEAVY AND BIG OBJECTS (CARS, TRUCKS, BUSES) IN MOTION IS SIMPLY A MATTER OF PHYSICS (KINETIC ENERGY).

I KNOW THE SCIENCE, BUT THAT DOESN'T HELP ME RIGHT NOW!

$$E_k = \frac{1}{2}mv^2$$







THERE ARE EIGHT KEY PRINCIPLES THAT ARE CONTAINED IN THE CHARTER:

INCREASED INCLUSIVE MOBILITY
PEOPLE IN COMMUNITIES HAVE THE RIGHT TO ACCESSIBLE STREETS, SQUARES, BUILDINGS AND PUBLIC TRANSPORT SYSTEMS REGARDLESS OF THEIR AGE, ABILITY, GENDER, INCOME LEVEL, LANGUAGE, ETHNIC, CULTURAL OR RELIGIOUS BACKGROUND, AND STRENGTHENING THE FREEDOM AND AUTONOMY OF ALL PEOPLE

WELL DESIGNED AND MANAGED SPACES AND PLACES FOR PEOPLE
COMMUNITIES HAVE THE RIGHT TO LIVE IN A HEALTHY, CONVENIENT AND ATTRACTIVE ENVIRONMENT AND TAILORED TO THEIR NEEDS, AND TO FREELY ENJOY THE AMENITIES OF PUBLIC AREAS IN COMFORT AND SAFETY AWAY FROM INTRUSIVE NOISE AND POLLUTION

IMPROVED INTEGRATION OF NETWORKS
COMMUNITIES HAVE THE RIGHT TO A NETWORK OF CONNECTED, DIRECT AND EASY TO FOLLOW WALKING ROUTES WHICH ARE SAFE, COMFORTABLE, ATTRACTIVE AND WELL MAINTAINED

SUPPORTIVE LAND-USE AND SPATIAL PLANNING
COMMUNITIES HAVE THE RIGHT TO EXPECT LAND-USE AND SPATIAL PLANNING POLICIES WHICH ALLOW THEM TO WALK TO THE MAJORITY OF EVERYDAY SERVICES AND FACILITIES

REDUCED ROAD DANGER
COMMUNITIES HAVE THE RIGHT FOR THEIR STREETS TO BE DESIGNED TO PREVENT ACCIDENTS AND TO BE ENJOYABLE, SAFE AND CONVENIENT FOR PEOPLE WALKING - ESPECIALLY CHILDREN, THE ELDERLY AND PEOPLE WITH LIMITED ABILITIES

LESS CRIME AND FEAR OF CRIME
COMMUNITIES HAVE THE RIGHT TO EXPECT AN URBAN ENVIRONMENT DESIGNED, MAINTAINED AND POLICED TO REDUCE CRIME AND THE FEAR OF CRIME

MORE SUPPORTIVE AUTHORITIES
COMMUNITIES HAVE THE RIGHT TO EXPECT AUTHORITIES TO PROVIDE FOR, SUPPORT AND SAFEGUARD THEIR ABILITY AND CHOICE TO WALK

A CULTURE OF WALKING
COMMUNITIES HAVE A RIGHT TO UP-TO-DATE, GOOD QUALITY, ACCESSIBLE INFORMATION ON WHERE THEY CAN WALK AND THE QUALITY OF THE EXPERIENCE. PEOPLE SHOULD BE GIVEN OPPORTUNITIES TO CELEBRATE AND ENJOY WALKING AS PART OF THEIR EVERYDAY SOCIAL, CULTURAL AND POLITICAL LIFE

International Charter for Walking
Creating healthy, efficient and sustainable communities where people choose to walk

We, the undersigned recognise the benefits of walking as a key indicator of healthy, efficient, socially inclusive and sustainable communities and acknowledge the universal rights of people to be able to walk safely and to enjoy high quality public spaces anywhere and at anytime. We are committed to reducing the physical, social and institutional barriers that limit walking activity. We will work with others to help create a culture where people choose to walk through our commitment to this charter and its strategic principles:

1. Increased inclusive mobility
2. Well designed and managed spaces and places for people
3. Improved integration of networks
4. Supportive land-use and spatial planning
5. Reduced road danger
6. Less crime and fear of crime
7. More supportive authorities
8. A culture of walking

Signed _____
Name _____
Position _____
Date _____

www.walk21.com

ANOTHER WALK21 INITIATIVE IS THE MEASURING WALKING GROUP. THEIR PREMISE IS THAT WE MEASURE WHAT MATTERS AND WALKING SHOULD BE GIVEN A HIGHER PRIORITY IN THE MEASUREMENT OF TRAVEL.

Motor Vehicle Data Warehouse #42



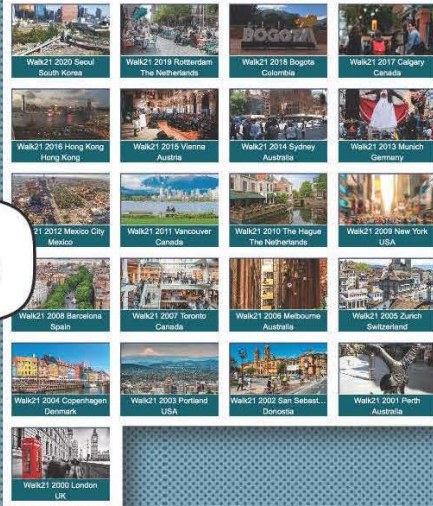
CURRENTLY THERE IS A BIAS AGAINST WALKING IN OUR SURVEYS AND FAR MORE DATA COLLECTED AND AVAILABLE AROUND MOTOR VEHICLE TRAVEL COMPARED TO THAT OF WALKING.

PRIOR TO EVERY WALK21 CONFERENCE THERE IS A WORKSHOP, LED BY DANIEL SAUTER, WHERE PARTICIPANTS DISCUSS A WIDE RANGE OF TOPICS IMPORTANT TO THE MEASUREMENT OF WALKING



HI, I'M DANIEL!

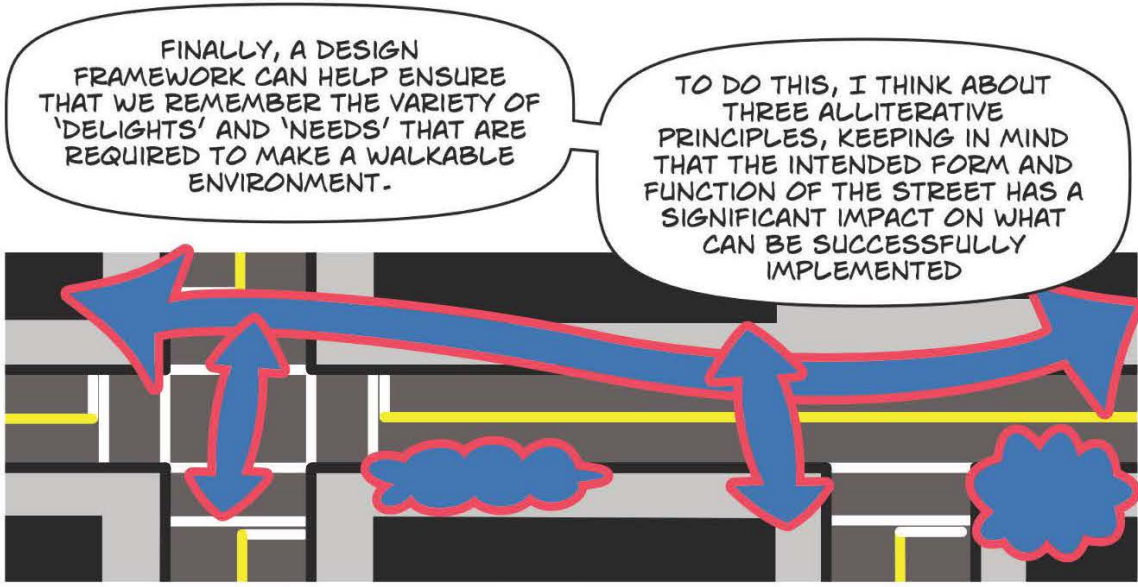
Walk21 Conference Timeline



NOTABLY IN VIENNA IN 2015, THE GROUP PUBLISHED AN INTERNATIONAL STANDARD FOR THE TREATMENT OF WALKING IN TRAVEL SURVEYS.



Key Indicator		Comments
1	Proportion of people who have made at least one walking stage on the survey day	The Standard provides details of how an "average" day is to be arrived at, and ways of handling data on days of the week, month, and season. It specifies the minimum age of people surveyed.
2	Average number of daily walking trips and walking stages per person	The Standard defines "trips" and "stages" generally, as well as specifically on foot, including the issue of walking in public and private spaces.
3	Average daily time walked per person	The Standard specifies how total walking time is arrived at, and the issue of "waiting time" is dealt with.
4	Average daily distance walked per person	The Standard requires the total distance walked in publicly accessible spaces to be presented. It also describes why the arithmetic mean as well as the median distance need to be calculated (median distance is the distance that 50% of the people exceed and 50% fall below).
5	Mode share of walking based on: A. Stages B. Main Mode C. Time D. Distance	The Standard requires walking data to be set alongside data for all other modes, and for all trip purposes to be included.



SOME OF THE TACTICS THAT CAN BE IMPLEMENTED FOR EACH PRINCIPLE ARE SHOWN BELOW

ALONG

HOW COMFORTABLY CAN PEOPLE TRAVEL ALONG THE STREET FREE OF OBSTRUCTION AND WITH INTEREST?

- SIDEWALK WIDTH
- SIDEWALK CONDITION
- OBSTACLES
- MOBILITY SUPPORT
- TREES & GREENERY
- AMENITY ZONES
- BUFFERS FROM MOVING TRAFFIC
- INTERESTING FRONTAGES
- SHORT DISTANCES BETWEEN PLACES
- NUMBER OF DRIVEWAYS
- DESIGN OF DRIVEWAYS

ACROSS

HOW CONVENIENT AND SAFE ARE THE CROSSINGS FOR PEOPLE WALKING IN THE AREA?

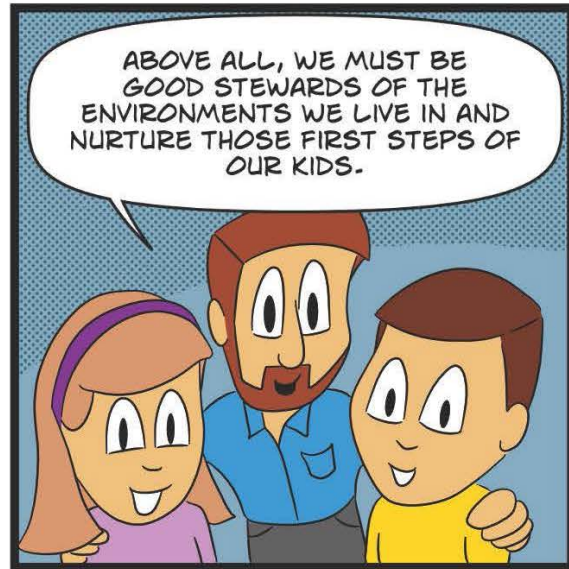
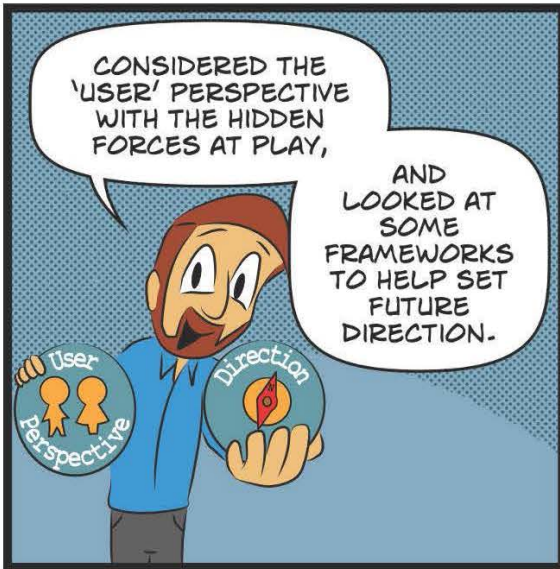
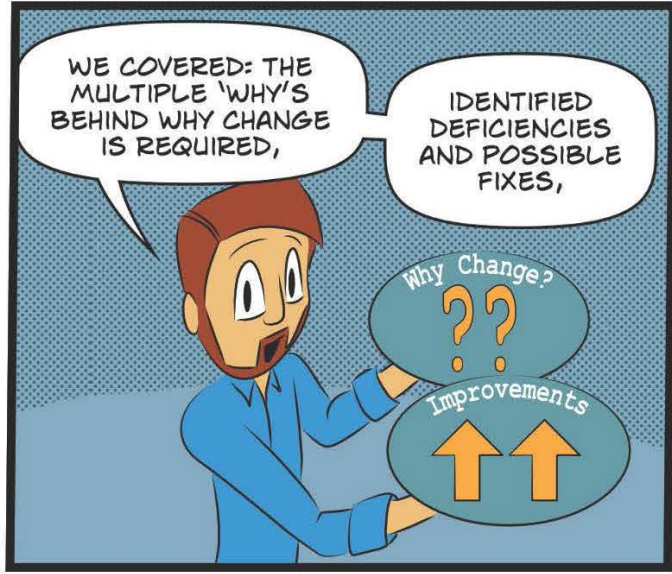
- NUMBER OF LANES TO CROSS
- SPEED OF VEHICLES
- ACCESSIBILITY SUPPORTS
- CROSSING TREATMENTS
- LIGHTING
- VISIBILITY OF CROSSING
- SIGNAL TIMING DELAY
- SIGNALS TIMED FOR WALKING
- SAFE SPACES TO WAIT TO CROSS
- WORKLOAD OF DRIVERS

AROUND

OUR CURRENCY WHEN WE WALK IS TIME, SO WHERE ARE PEOPLE WILLING TO SPEND THAT TIME IN THE AREA?

- PARKLETS
- SEATING PRESENT AND AVAILABLE TO ALL
- SOCIALIZING AND WAITING AREAS
- ACCESSIBILITY SUPPORTS
- LIGHTING
- GREENERY
- INTERESTING FRONTAGES
- PROGRAMMING
- NOISES
- SMELLS

THIS LIST IS BY NO MEANS EXHAUSTIVE, BUT IT DOES HELP US IN THINKING ABOUT THE VARIETY OF CONSIDERATIONS WE NEED TO MAKE. UNDERLYING ALL OF THESE IS A NEED TO HAVE THE SPACE **ACCESSIBLE, EQUITABLE, FAIR, AND SAFE**. NOT INCLUDED IS HOW WE DEAL WITH THE 'PROXIMITY PROBLEM' OF OUR CITIES, BUT THAT WILL HAVE TO BE FOR ANOTHER TIME.





ALL PHOTOS CREDIT: GRAHAM MATSALLA

TRANSPORTATION & HEALTH JOIN FORCES FOR GREATER IMPACT

Collaborating with the health sector to achieve shared goals

BY GRAHAM MATSALLA
ALBERTA HEALTH SERVICES

There is a feeling that many sectors share: the expectation to accomplish more with less. One way to approach this problem is by collaborating with other sectors to accomplish shared goals. For the health and transportation sectors, the opportunities for collective impact are plentiful.

HEALTH AND THE BUILT ENVIRONMENT

Evidence has shown that the built and social environment of a community influences the health of all community members, including mental health as well as physical activity. Though it may not be an obvious link, the built environment and community connections relates closely to my work in the area of mental health promotion. First, it is important to

recognize that mental health means more than just a lack of mental health illness; it also includes a holistic sense of well-being, including positive mental health practices. Then we can see that mental health can have a direct relation to healthy community design. Positive mental health is important for physical health of community members, educational achievement, the social capital of communities, and for the economy. Physical health can also influence mental health. One specific area of mental health promotion that we are working on is looking at how to prevent social isolation and loneliness in communities to increase community health. There is evidence to support connections between social cohesion, physical health, depression, and healthy weight. It is interesting to see the link between mental health, physical activity, and transportation.

Continued on page 31...



Above: Promo poster for WalkABLE Alberta to connect with interested community leaders.
Right: WalkABLE Alberta uses a flexible process that adapts to community need and allows for multiple sectors to participate.

WalkABLE Alberta Process of Community Engagement



COLLECTIVE IMPACT takes collaboration to the next level. It involves change within an organization to contribute to a set of outcomes that are shared by other organizations. A change in each organization then works together to shift and align their work and priorities to accomplish this shared goal. This can change a whole community in a more sustainable way. A Collective Impact model has five conditions: common agenda, shared measurement system, mutually reinforcing activities, continuous communication, and a backbone organization.

Learn more at nccdh.ca/blog/entry/collective-impact-collaborating-to-improve-conditions-for-health

Many people know that physical inactivity is a health problem but they do not realize the extent of the problem. In 2014, nearly 6 in 10 adult Albertans were overweight or obese. Obesity has increased worldwide and with it comes an increased risk for chronic conditions. There have been many changes in how the health promotion field has approached chronic disease prevention through the promotion of physical activity. The complexity of the obesity epidemic calls for a systems approach to address the issue, including interdisciplinary collaboration and bridging research, education, policy, and action, among other components. Individual behavior is only part of the problem. Physical activity promotion has more recently looked beyond individual behavior change and encouraging positive behaviours. Using a systems approach, our field now considers the built and social environments of communities as a key factor for improved community health. This spans from promoting active transportation and community walkability to the greater challenge of creating communities that make active transportation the easy choice. This level of change requires the efforts of many individuals, organizations, and sectors within a community.

One step to tackle this challenge and create sustainable community change is to find opportunities for the

health and transportation sectors to work together. A collective impact approach (see sidebar above) to engaging community stakeholders and addressing community walkability will not only share the workload but will also create the community buy-in required for sustainable community change.

A PROGRAM FOR COLLECTIVE IMPACT: WalkABLE Alberta

WalkABLE Alberta, a provincial Alberta Health Services (AHS) chronic disease prevention program, shows us collective impact in action. This program aims to increase physical activity and reduce chronic disease by creating more walkable communities. WalkABLE Alberta works with provincial and local walkability champions and community stakeholders to build local strategies that help create walkable communities.

Using a process of community engagement (see above), the goal of WalkABLE Alberta has been to complement the great work already being done in the community for improved pedestrian environments. From 2011 to 2015, WalkABLE Alberta engaged AHS staff and provincial and community stakeholders to collect and align local strategies, plans, and actions for more walkable communities.



A WalkABLE Alberta community visit in Camrose, Alberta

Community stakeholders working through the *International Charter for Walking* at a community engagement session

There were many activities that WalkABLE Alberta could take that supported community walkability improvements. These included:

- Walkability presentations
- Interactive community workshops
- Community walkabouts
- Community meetings
- Feedback sessions
- Strategic planning sessions
- Facilitated discussions
- Presentations to council and other community decision makers
- Advice to local committees/group

RESULTS OF WalkABLE Alberta

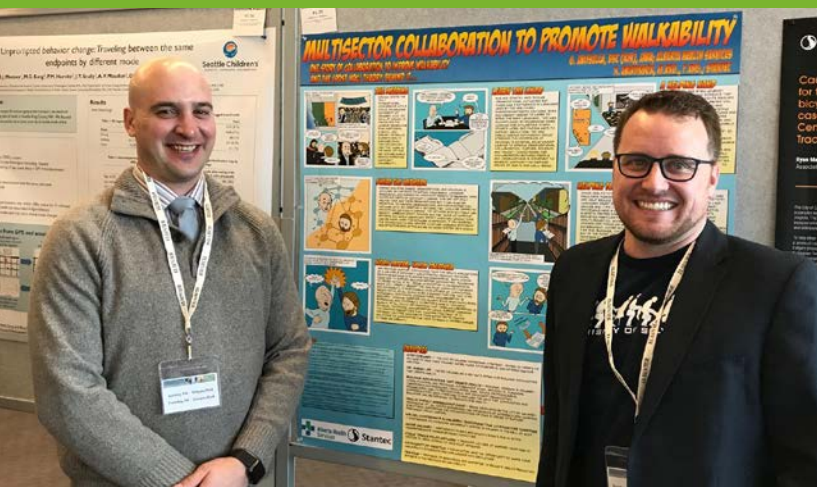
The results of what WalkABLE Alberta over 2011–2015 did for local municipal leaders, planners, and transportation professionals varied greatly depending on the community and its needs. The greatest successes came when a collective impact approach was taken to heart. Instead of adding to each other's workload, we found ways to accomplish our own goals by accomplishing the goals of others. Some examples include:

- Created walkability-focused committees to advocate for community walkability, identify priorities, provide direction to the municipality, and increase connection or collaboration between community stakeholders.
- Developed wayfinding tools like signage and trail maps.
- Organized community events to promote walking and active transportation such as Full Moon Winter

Walk days, commuter challenges, and UWalk challenges.

- Engaged community stakeholders by conducting surveys, providing information events/sessions, and developing promotional campaigns to increase walking.
- Helped increase the importance of walkability in municipalities. Activities completed by municipal councils and staff include:
 - › Added dedicated municipal representatives to walkability committees
 - › Added walkability/active transportation to municipal administrators' role or mandate
 - › Developed and approved dedicated walkability/active transportation plans and policies
 - › Increased allocation of municipal funding to address walkability
 - › Improved current standards and practices (e.g., updated snow removal by-laws; implemented pedestrian/cyclist counts; and identified walkability requirements for new developments)
 - › Developed and implemented a triage plan for improving sidewalks, pathways, crosswalks and connectivity
 - › Increased coordination between municipal departments
- Changed the built environment through sidewalk improvement, pathway creation, and crosswalks creation or improvement at high traffic and/or high risk pedestrian crossing areas.

Continued on page 33...



Graham and Ryan present a conference poster on their collaboration

COLLABORATING WITH HEALTH PROFESSIONALS

Looking at the results above, you would be forgiven for assuming it was a program initiated by a transportation-focused organization rather than a health promotion program. It's clear that both of our sectors have much to gain from working together toward common goals. If you have a transportation project that touches mental or physical health issues, consider joining forces with the health sector collectively accomplish more with less. It can be a challenge to know who can help you and how you can get a hold of them. I recommend looking for local or provincial health promotion professionals, often based in a public health department or agency. You may find health promotion professionals working in the area of built environment and/or active transportation through mental health promotion, injury prevention, and public health inspectors. Another approach is to look at health promotion issues being addressed in your community like social isolation, falls prevention, and new community development and find the groups working in those areas.

It might not be an obvious connection to make for most people but now you have the advantage of seeing how different areas of the health sector can relate to you and the work that you do. In conclusion, working in collaboration with various community stakeholders including transportation professionals, I have learned so much about an area I had very little expertise. By being willing and interested in collaborating, we have worked together for greater collective impact that helps us all meet our goals. This idea is summed up well by Helen Keller: *"alone we can do so little; together we can do so much."*

COLLABORATION IN ACTION

How Ryan Met Graham

Ryan (transportation professional) and Graham (health promotion professional) connected at a Walk21 Conference, identifying shared interests and organizational goals.

Learning the Lingo

They created common language by exchanging ideas and looking for similarities in each others' work.

Shared Network

They shared their networks of contacts to expand reach and leveraged resources.

Working better, when together

- Ryan offered to review the WalkABLE Alberta community reports and provide technical recommendations. These recommendations spoke to transportation professionals in the communities. Combining Ryan's technical input with Graham's recommendations created a more rounded message for stakeholders from different sectors. This made the community reports more robust and effective.
- Graham provided a health perspective on implications of walkability for various projects that Ryan was working on.
- To broaden knowledge and experience in his sector, Graham was asked to train health promotion professionals throughout Alberta on walkability, active transportation, and the built environment. Ryan supported Graham by providing feedback on education design and tools for measuring the built environment, creating a more effective and technically rounded training program.

Changing How We Practice

In working together, Graham and Ryan alleviated misconceptions of how their respective sectors function and what their priorities are.



Graham Matsalla is a Mental Health Promotion & Illness Prevention Team Lead in the area of Provincial Addiction & Mental Health for Alberta Health Services. His health promotion experience has been with communities and neighbourhoods promoting physical activity through active transportation and built environment improvements. While working to prevent chronic disease on the WalkABLE Alberta project, he helped communities increase walkability by improving physical and social environments.

NOW AVAILABLE!

Canadian Guide to Traffic Calming

SECOND EDITION

Changes and additions include:

- Recognizing **EDUCATION & ENFORCEMENT** as valid, and/or preferred alternatives to physical measures;
- Describing measures applicable to **ARTERIAL ROADS & RURAL ROADS**;
- Adding **TRAFFIC CALMING DEVICES** some well-accepted and others ready to be further tested and evaluated; and;
- Referencing **PERFORMANCE OUTCOMES** where new information has become available since the first edition.

[Click here to learn more about what's new in this edition](#)

UPDATED NATIONAL REFERENCE ON TRAFFIC CALMING PRINCIPLES AND APPLICATIONS

The Canadian Guide to Traffic Calming (Second Edition) presents traffic calming as a method to reduce the speed and/or volume of non-local traffic infiltrating into neighbourhoods. It explains principles and suggests a process for introducing and implementing traffic calming, and describes the applicability, effectiveness, and design principle for a wide range of traffic calming devices. The devices are categorized in terms of vertical deflection, horizontal deflection, roadway narrowing, surface treatment, pavement markings, access

restriction, gateways, enforcement, education, shared space, and emerging technologies and measures.

This second edition reflects changes in road conditions, attitudes toward vulnerable road users, and available technologies, and valuable experience regarding the efficacy of options. It was created through a partnership between the Transportation Association of Canada (TAC) and the Canadian Institute of Transportation Engineers (CITE).

GET YOUR COPY IN THE TAC BOOKSTORE TODAY!



Transportation Association of Canada



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<http://www.tac-atc.ca/en/publications/ptm-trafcalm18-e>

PEDRAM IZADPANA P.Eng.



City of Residence: Burlington, Ontario

Family

My wife, Nasim of 16 years and our son Ryan who is 8 years old

Personal hobbies

Trying out new restaurants and reading biographies

Current Employment

TES Information Technology, Vice President

Education

- Ph.D., Civil Engineering, Transportation Engineering, University of Waterloo, 2010
- M.Sc., Civil Engineering, Transportation Planning, Sharif University of Technology, 2004
- B.Sc., Civil Engineering, Sharif University of Technology, 1999

First job in transportation

During my master's, I worked on a relatively large transportation master plan as a student. In this project we had to develop all models included in 4-stage modelling from scratch.

When did you join CITE? 2005

What positions have you taken on as a member of ITE?

- CITE Secretary-Treasurer;
- CITE appointee to the TAC Road Safety Standing Committee;
- Vice Chair of the TLC;
- TLC representative on the ITE Coordinating Council; and
- The University of Waterloo ITE Student Chapter President.

CITE INVOLVEMENT

When did you first attend a CITE event?

If I recall correctly, the CITE Conference in Toronto in 2007 was my first major CITE event. I had a presentation on Connected Vehicles concept (not called that at the time) and a lot of people thought it was a crazy idea.

What is your CITE involvement (past and present)?

I became involved in ITE as Vice President then President of the University of Waterloo Student Chapter. This was an incredible experience in which we identified sustainable funding sources for the student chapter, enabling us to attract students to ITE.

In 2007, I volunteered as a member of the CITE Technical Liaison Committee (TLC). This opportunity allowed me to learn tremendously from the giants of CITE and build great friendships in the CITE community. During close to 10 years of service at the TLC, I interacted with section executives, student chapters, and the

general membership to identify the technical needs of our members.

I served on the TAC Road Safety Standing Committee (RSSC) as the CITE appointee to liaise between the RSSC and CITE. This role has been very helpful in giving me perspective on how both organizations operate and how we can make both stronger to serve our membership.

In 2019, I was elected to the CITE District Executive as Secretary-Treasurer. This is truly a privilege to serve our membership with other phenomenal members of the Executive Committee.

What do you value most about your CITE membership?

The friendships I have forged with the CITE community are the most valuable aspect of my CITE membership. I have learned so much from volunteering in various levels at CITE which has shaped who I am professionally and personally. CITE is a fun and collegial organization.

GETTING TO KNOW YOU

What attracted you to the transportation profession? Did you have another career in mind?

Once I completed my undergrad, I knew I did not want to be a structural engineer. Design was not my forte and I could not imagine myself following codes or guidelines to design a road or structure my entire life. I loved programming, data analysis, and trying to identify patterns and trends from data. Traffic engineering and transportation modelling proved to be the best fit.

What is the most daring thing you've done in your lifetime (that you're willing to see in print)?

I am not an adventurous person in my personal life. In fact, I get sick even in an elevator! But I have been adventurous in my professional life. I have left secure positions to start a new venture three times in my career which some people may find courageous or crazy. All three moves have been very rewarding.

What is the last book that you read or are currently reading?

I am currently reading *Truth be Told: My Journey through Life and Law* by the former Chief Justice of the Supreme Court of Canada, Beverley McLachlin. While she explains how an ordinary girl from the farms of Pincher Creek, Alberta came to sit on the bench of the highest court of the land, she eloquently talks about her failures and her triumphs. McLachlin provides a very informative perspective on the legal evolution of Canada especially in the area of women rights. I highly recommend this book. It is an absolute page turner!

What is your favourite mode of transportation?

Definitely automobile. It is perhaps politically incorrect to say but I truly enjoy driving. Driving is a stress relief mechanism for me. My dad always says that if you want Pedram to smile, put him behind the wheel!

PROFESSIONAL ACHIEVEMENTS & PERSPECTIVES

How would you describe your job to someone you just met at a party?

I develop software for municipalities to help them make better decisions for road safety and traffic in their municipality. It is a lot of fun!

What do people say when you tell them you're a transportation professional?

Many years ago, I told a very accomplished faculty member at the University of Toronto that my area of research is Intelligent Transportation Systems (ITS). He

looked at me in disbelief and said, "I did not know there is anything intelligent about transportation!"

What is one aspect of your work that you particularly enjoy?

I really enjoy meeting with our clients to better understand their needs and help us develop the right tools to address their challenges. Also, I love coaching staff to grow in their career and become leaders in the industry. It is wonderful to see younger colleagues get married, buy a new car or a new house, and after a while, are able to run meetings with clients and work with our clients independently. Truly amazing!

What are one or two projects that you're most proud to have worked on?

I cannot pick only one or two projects. In general, I do work a lot in road safety. I believe that our work makes roads safer for all road users and saves lives. The premise that my work can save lives makes me happy and proud and is a driving force to do a great job in my projects.

Projecting yourself into the future, from an end-of-career perspective, what will you hope to have accomplished?

I'd like to think that I made a difference in people's lives, trained quality professionals who can make the world a better place, and was fair to my clients, employees, and colleagues.

INTERESTS & PERSPECTIVES

If you could change one thing about the transportation practice, what would it be?

It is important for decision makers to understand that designing and building great facilities require planning, and planning requires up to date and accurate data. Investing in data collection always pays back in many folds.

What is the greatest opportunity you see for the field?

There are tremendous opportunities in the transportation profession in general given the emerging developments in telecommunication and computational powers of computers.

With the advent of connected vehicles and autonomous vehicles, data will be ubiquitous, and the efficient use of the data will be the main challenge. More than ever, we will need the right tools to store the data and have analytical capabilities to translate the data into information to support decision making.

GREATER VANCOUVER SECTION

The Greater Vancouver Section held a number of events throughout the end of 2019 including a section meeting and our Annual General Meeting.

On November 13th, the Greater Vancouver section hosted a lunch meeting which included a presentation from Brian Patterson and Dan Casey from Urban Systems Ltd. The presentation covered the *BC Active Transportation Design Guide* which was created for design professionals in the engineering, planning, landscape architecture, and architecture fields. The product is a valuable resource for elected officials, community groups, and the general public. The Design Guide is a comprehensive set of planning and engineering guidelines offering recommendations for the planning, selection, design, implementation, and maintenance of active transportation facilities across the province.

On December 3rd, the Section held its AGM where the annual section awards were presented to the following recipients (see photos to the right, in order):

Bill Curtis Award (Transportation Project of the Year):
BC Active Transportation Design Guide - BC Ministry of Transportation and Infrastructure and Urban Systems

Mavis Johnson Award (Road Safety Project of the Year):
Surrey's Vision Zero Safe Mobility Plan - City of Surrey

Young Professional Award:
Carol Kong, P. Eng. - City of Vancouver

Please join us in congratulating these individuals and project teams on their outstanding contributions to the local transportation engineering industry and communities.

Looking forward to 2020, we are pleased to welcome Khelen Upadhyay as our new treasurer. The returning members of the executive team include Amy Do as President, Cameron Perkin as Vice-President, and Jael Lumba as Secretary. We would like to thank Niraj Sunuwar for his hard work and dedication to the GVITE chapter as he leaves his executive position in 2019.

The UBC Student Industry Night will be held on February 7th. This event is an opportunity for students and industry professionals to interact and showcase student projects. We anticipate a strong turnout and look forward to a busy year ahead.





SOUTHERN ALBERTA SECTION

In November, the Southern Alberta ITE Section welcomed Ekke Kok, Manager of the Transportation Data and Forecasting Division, to present on the Calgary Traffic Count System: CalTRACS. Ekke provided an overview of this web-based tool through which the City makes transportation data more accessible to area transportation professionals.

The section debuted a new event format in December: a project poster competition for members in conjunction with appetizers, beverages and much mixing and mingling. Representatives from McElhanney, Bunt, ISL, Tetrattech, WSP, Stantec, CIMA+ and the University of Calgary prepared and presented posters. Honours in the friendly competition over the course of the evening went to Tetrattech for Best Poster Pitch (photo below), and to WSP for both the Best Project and the People's Choice award (photo to the right). The evening provided a fun and informative wrap up to 2019 for the Section.

2020 is shaping up to be a great year for the section with our AGM on January 22. The executive team welcomed Josh Workman in the role of Publicity Coordinator and Ryan Vanderputten, CITE Vice-President and Director of Transportation Planning at the City of Calgary, provided informative updates.



SASKATCHEWAN SECTION

The Saskatchewan section had its fall session and annual general meeting at the Delta Hotel in Saskatoon on 22 October. We had the highest attendance in over 3 years at this event, with over 70 attendees! The session included engaging presentations, a panel discussion, and a visiting presenter from the City of Winnipeg.

Below are the topics and presenters for the session. Thanks to all of the presenters who helped make the fall session such a success!

- Saskatoon's Bus Rapid Transit – Najam Taha, Rob Dudiak (City of Saskatoon)
- Saskatoon's Transit Villages – Jason Sick (City of Saskatoon)
- Waverley Underpass Construction – Colleen Flather (City of Winnipeg)
- Traffic Calming in School Zone – Wes Hicks (City of Prince Albert)
- Speed Limit Reduction in Residential Areas – Panel Discussion
- From Crash Causation to Prevention – Jeffrey Holland (Ministry of Highways and Infrastructure)
- Benefits and Trade-offs of Innovative Intersection Configurations – Ellen McLaughlin, Jon Medori (Associated Engineering)
- Saskatoon Freeway – Geoffrey Meinert (Ministry of Highways and Infrastructure)

The executive team for the Saskatchewan section is now complete. We welcome Gloria Bansah as Programs Director and Ellen McLaughlin as Student Chapter Coordinator to the team.

The section will be hosting the following Pizza and Pint networking nights:

- University of Saskatchewan, February 11, at Louis' Den from 5 pm to 7 pm
- University of Regina, January 28, at the Owl from 5 pm to 7 pm

We look forward to seeing you there!

The date for the spring session will be communicated as soon as a venue and date are finalized. If you are interested in presenting your project at the session, please contact us at programsdirector@saskatchewan.cite7.org.





MANITOBA SECTION

The ITE Manitoba Section had a busy end to 2019, including the annual fundraiser, a workshop, a luncheon, and the Annual General Meeting.

In October, the Manitoba Section held the third annual Escape Room Tournament fundraiser. Registrants were organized into teams, and each team completed two escape rooms. The event concluded with dinner and prizes. The event was enjoyed by attendees, and was financially successful for the Manitoba Section.

In November, the Manitoba Section held a workshop on traffic calming (photo below). Brian Malone led the workshop, which served to introduce the new *TAC/CITE Canadian Guide to Traffic Calming - Second Edition (2018)*. The workshop included discussion on the principles of traffic calming for both reactive operational retrofits and proactive approaches for new streets. Brian was one of the key authors of the 2018 Guide and he was an engaging and informative workshop leader.

In December, the Manitoba Section held a luncheon and the Annual General Meeting. At the luncheon, David Wiebe presented on the Portage Avenue and Main Street Transportation Study. The study involved microsimulation

of several alternatives to re-introduce at-grade pedestrian crossings to the iconic intersection of Portage Avenue and Main Street. The study approach involved modelling using VISSIM and VISWALK software, which returned performance measures for vehicles, pedestrians, and transit vehicles. An iterative approach was used to test and refine alternatives for modifying the physical layout and traffic control systems at the intersection. A preferred alternative was selected, and a recommended concept design was developed, which identified key challenges for implementation.

The Annual General Meeting included a summary of the Manitoba Section's activities through 2019, an update on the new Section Director role, discussion on a potential bid to host the 2022 Conference, review of the proposed budget for 2020, and congratulations to four Members who had notable achievements in 2019. Jeannette Montufar was awarded the H. Robert Burton Distinguished Service Award, Rebecca Peterniak was named the CITE Rising Star for 2019, Garreth Rempel was accepted into LeadershipITE, and Karalee Klassen Townsend won the Kean Lew Student Paper Competition and the CITE Presentation Award.



SOUTHWESTERN ONTARIO SECTION

In November 2019, members of Southwestern Ontario Section welcomed Mona Eghanian to a social event in London. Mona is Senior Manager, Automotive & Mobility with the Ontario Centres of Excellence.

Mona spoke about Ontario's Autonomous Vehicle Innovation Network (AVIN). AVIN is a comprehensive initiative by the Government of Ontario to ensure that we transition our automotive and mobility sector into the future. AVIN promotes the commercialization of new products and solutions for the global market, all while supporting testing, piloting and deployments in Ontario, to advance the evolution of our transportation system. Mona described several examples of successful developments that are pushing the boundaries into the next-generation of mobility technologies and solutions.



TORONTO SECTION

The ITE Toronto Section has continued to provide opportunities for professionals and students in our area to network and learn more about the transportation industry. We are very pleased with the engagement our events have garnered and look forward to growing in 2020. Over the last few months, we have hosted several notable events including training sessions, a manufacturing facility tour, and our flagship Christmas Luncheon and AGM.

On October 28, we held a one-day course titled "Data-Driven Safety Analysis: Fundamentals and Practical Applications of the AASHTO Highway Safety Manual" in Toronto. This was followed by a November 22 one-day course titled "Roundabout Design and Analysis" in Thunder Bay. Thank you to **Russell Brownlee** (True North Safety Group), **David Petrucci** (FHWA), and **Phil Weber** (CIMA+) who delivered these courses to engaged groups of transportation professionals.



In 2019, we held the first three events of a series that showcases local transportation equipment manufacturing facilities in the GTA. These events were very popular with our members, especially the **Econolite** (Intelligent Transportation Systems) manufacturing facility, which



had such demand we arranged multiple tours. See a photo from the Econolite Facility Tour below. If you would like to suggest a future tour location, please email us at communications@toronto.cite7.org.

On November 29, we hosted our 2019 Christmas Luncheon and Annual General Meeting. Our keynote speakers were **Raphael Dumas** and **Aakash Harpalani** from the City of Toronto's Big Data Innovation Team, who discussed several of the interesting projects that their team is currently undertaking. If you missed this presentation, you can visit our [Facebook](#) page to watch the recording that was a part of our first-ever livestream. Several awards were distributed at the AGM, including the 2019 Project of the Year Award to the **City of Mississauga** for their "Lakeshore Connecting Communities – Lakeshore Road Transportation Master Plan (2016-2019)"; the 2019 Most Frequent Attendee Award to **Niraj Das**, the 2019 President's Award to **Kelsey Waugh** (LEA Consulting Ltd.), and Lifetime Membership Awards to **Raj Nath Bissessar** (City of Toronto), **Christopher Bee** (MTO), and **Michael Bailey** (Streetlight Data). We also held our annual executive election, where **Azadeh Heydari** (HDR) was elected as Activities Coordinator and **Erik Nevland** (Region of Peel) as Communications Coordinator. Thank you also to **Shahram Almasi** (McIntosh Perry), **Nabil Ghariani** (Traffic+), and **Bhargav Channa Reddy** (Stantec) for running in the latest executive election.

Through 2019, the ITE Toronto Section was excited to initiate a greater collaboration with and support for our student chapters at **Lakehead University**, **Ryerson University**, **University of Toronto**, and **York University**. These efforts included support at student-led events, reduced fees to Toronto Section events and even co-hosting events with the chapters. As part of the new year, ITE Toronto Section looks forward to continuing these efforts.

Thank you to all our attendees and sponsors. We would also like to thank **Farhad Shahla** (City of Mississauga) who has finished his eight-year term on the Toronto Section executive. We look forward to engaging with our community of transportation professionals over the next year and hope to see many new faces at our events. If you haven't already, please check out our social media pages on [Facebook](#), [LinkedIn](#), and [Twitter](#) to be the first to find out about our upcoming events.



2019 Christmas Luncheon and AGM

NATIONAL CAPITAL SECTION

2019 was a remarkable milestone for the National Capital Section (NCS). The CITE Annual Conference was held in the area for the first time in 17 years. Members of the NCS Executive, both past and present, made up a good portion of the Local Arrangements Committee and were heavily involved in both the planning and execution of the conference held between June 2nd and 5th.

In addition, the National Capital Section capped off an already extraordinary year by winning the ITE STEM Outreach Competition in the Small Event Category. In November, the National Capital Section Executive, in collaboration with the Carleton Student Chapter, organized and hosted a STEM Outreach event for the Boys & Girls Clubs of Ottawa. This was our first of hopefully many more events working with local youth, making the win that much more exciting. The event was volunteer-run, guiding students aged 11 to 14 through a number of different transportation planning and engineering related activities to inspire the next generation of transportation leaders. Based on the feedback we received following the event from the students, their

parents and the host from the Boys & Girls Club, the students thoroughly enjoyed the experience and would welcome us back. Furthermore, the volunteers came out of the event feeling inspired about the future generation of transportation engineers.

"We are extremely excited to share this win with the Carleton University Chapter. This was our section's first STEM outreach event and we've poured a lot of heart, soul, and hard work into designing an interactive evening that would be both fun and educational. The best part was the experience of being able to inspire and empower future transportation leaders whose diversity will be their strength. All of the members who volunteered their time for this event loved the experience and many mentioned that they felt reminded about why they love their profession. The additional funding that we received will support us in putting on more of these events, which we are very excited to do!"

- Mariam Bello, NCS Technical Program Representative

Let's see what 2020 has in store for our chapter and keep the momentum going. Our upcoming luncheon is tentatively planned for mid-February, when we are excited to unveil a big announcement for our section. More to come on that later!





ATLANTIC PROVINCES SECTION

The Atlantic Provinces Section held our annual fall gathering on November 7-8 at Kingswood Resort in Fredericton. Over 60 people from across the Atlantic region attended a full day technical session, which included several presentations covering topics ranging from road safety and interchange design to complete streets and microsimulation modeling. Following the technical session, we held our 2019 Annual General Meeting. We also found time for some fun, of course, hosting a well attended evening social event on-site at the resort that included bowling and laser tag -- based on feedback from our members, the event was a big hit! The Atlantic Provinces section are thankful for the generous support from event sponsors including CBCL, WSP, Crandall Engineering, Dillon Consulting, and exp. Services.

Our Executive are currently planning for upcoming 2020 section activities including our annual spring meeting that will be held in May in Halifax. In addition to a technical program, we are also reviewing technical tour and training opportunities that could be incorporated into the spring meeting.



student chapter news

UNIVERSITY OF CALGARY

In October 2019, the University of Calgary ITE Student Chapter held its first guest seminar by having Devin Lafleche, a Transit Coordinator/Planner I at the town of Cochrane, AB, to talk about their most recent transit system, known as: "Cochrane On-demand Local Transit (COLT)". COLT provides shared demand-responsive transit services. Anyone can book their ride through the COLT website, mobile app, or by calling COLT directly. Starting mid-2020, the town of Cochrane is exploring Calgary and regional destinations into COLT services.

In November 2019, the student chapter held its second guest seminar by having John D. Hunt, Ph.D. (Cantab), P.Eng., Professor of Civil Engineering at the University of Calgary, to present "ASET: The Spatial Economic Transport Model of Alberta". His talk covered the structure of ASET and issues in its development and the interpretation of its results. Alberta Transportation sponsored the development of ASET over a period of more than three years ending in 2019. ASET is based on the PECAS spatial economic modeling framework and related software. ASET includes simulations of the transportation system

and the economic system and their interactions over time, covering the entire province.

In December 2019, the student chapter connected junior with senior students to pass on peer knowledge in an exam preparation session. Undergraduate and graduate students were welcomed to attend and participate in the session. Later in December, the student chapter organized an "End of Semester" social event as an informal setting for students to hang out, network, and celebrate!



Counterclockwise from left:

Guest seminar with Devin Lafleche of Cochrane, AB.

Guest seminar with John Hunt, Ph.D, P.Eng. of University of Calgary.

Knowledge exchange at the exam preparation event.

End of semester social event.

UNIVERSITY OF MANITOBA

The University of Manitoba Student Chapter has been busy this fall! We held two speaker luncheons with David Amorim and Rebecca Peterniak presenting on a comparative case study on the Fermor Avenue Pedestrian-Cyclist Underpass (Winnipeg) and Kingsclear First Nation Pedestrian-Cyclist underpass (New Brunswick) and traffic calming/design approaches respectively. We have also been busy planning our annual technical trip to London/Paris to expand our transportation knowledge with technical tours. We held a networking event at a local pub for professionals and students to interact and we plan to host another in early February. Community events held this term include a pancake breakfast fundraiser to raise funds for the Christmas Cheer Board as well as the purchase, assembly, and delivery of hampers to families in need using those donations. For chapter fundraising, we held two samosa sales to assist with our trips, luncheons, and networking events. Our most recent luncheon was David's Wiebe presentation on the Waverley Underpass in Winnipeg. We also organized a fun ITE badminton event for the members. We're looking forward to the new term and more exciting events ahead!



MCMASTER UNIVERSITY

Rail and Transit in the GTA Guest Speaker Night

On October 30, we hosted two guest speakers for a “Rail and Transit in the GTA” night. Our first speaker was Courtney Bernard, a substation electrician and upcoming electrical engineering technologist with the Toronto Transit Commission. He spoke about his experiences working on the electrical systems required for the TTC subway to operate.

The second speaker was John Trickett, a McMaster alumnus and a Senior Project Officer at Metrolinx. He presented on various rail projects he has worked on, such as the rehabilitation of station platforms, design and construction of new rail tunnels, and the construction of the Union-Pearson Express. In addition, he outlined rail maintenance activities and equipment, and talked about the hazards of track wash-outs and flooding.

We received a strong turnout of around 20 people, including first years and electrical engineering students, and provided pop, water, and pizza. Overall, the event was a success, as we reached a greater number of students than in previous years, and some great discussions about transit and rail were had.

WSP GUEST SPEAKER LECTURE

As a part of WSP’s spotlight week at McMaster, a guest speaker event was held in our Introduction to Transportation Engineering course. Brett Sears, senior project manager, and JuYoung Kim, a transportation planner gave a presentation on the integration of complete streets into the four-step travel demand modelling process. They described general procedures and arising issues while incorporating their most recent projects into the lecture.

JOINT SYNCHRO SESSION WITH MOHAWK COLLEGE

Mohawk College hosted 2 two-hour synchro sessions which ITE McMaster members were invited to attend. The sessions were conducted led by Jack Ready, Mohawk’s previous ITE student chapter executive member. Starting with the basics of constructing a single intersection in the first session, by the end of the second session we were able to diagnosis intersections in a corridor which were suboptimal and optimize the corridor.



Strong turnout for the Rail & Transit in the GTA Guest Speaker Night featuring Courtney Bernard of the TTC.



Participating in the Synchro Workshop run by the CITE Mohawk College Student Chapter.



WSP Guest Speaker event with JuYoung Kim and Brett Sears

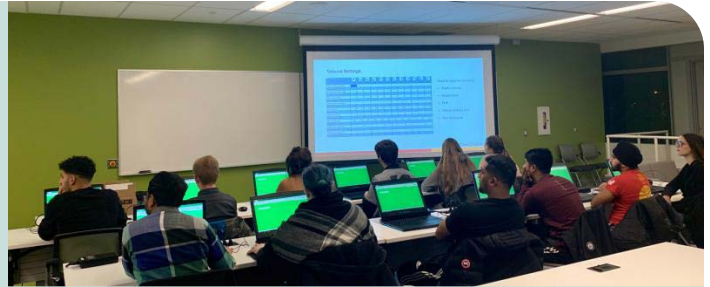
MOHAWK COLLEGE

On Thursday, November 14th, Sean Nix took Mohawk College students to Cedar Signs in the Waterloo Region. Students were able to observe manual and automated methods of manufacturing traffic signs and were even afforded an opportunity at assembly. A special thanks to 3M Canada who helped arrange the tour and provided a guest lecture overview the day before. Additional thanks to Sean Nix for his diligent work in arranging the tour and to Cedar Signs for hosting.

On Wednesday, November 20th and 27th, the executive team led two Synchro training nights and hosted McMaster University's ITE section. The events reached capacity and were a great learning opportunity for all attendees to get exposure to Synchro. A big thank you to Jack Ready for leading the training and to Taha Muhammad, Sivana Younan, Sahar Shams, Sean Nix and Craig Sherwood for organizing the event and providing individual assistance to participants in attendance.

Finally, we would like to announce this year's Mohawk College ITE Student Chapter Executive:

- President – Creighton Chartier
- Vice President – Benjamin John
- Secretary-Treasurer – Melissa Lachance
- Faculty Advisor – Craig Sherwood



Synchro training nights

Chapter members visit Cedar Signs and test their assembly skills



student chapter news

YORK UNIVERSITY

The ITE York University Student Chapter has been very active throughout the fall academic term in 2019 hosting and participating in a variety of technical workshops, seminars, networking events, and tours.

Seminars and Workshops

Our Saturday software workshops during the fall semester focused on Synchro and Vissim software which were graciously led by Nabil Ghariani, President and CEO of Traffic+ Engineering Ltd, and our student members Tanvir Chowdhury and Elanakayon Annalingam. Our current President, Tanvir Chowdhury, also conducted an informative workshop on programming with R-Language. These technical workshops have been very well received by not only York's graduate and undergraduate students, but also by attendees from other schools including Ryerson University, University of Toronto, and industry professionals.

Our seminar series included special presentations on Multi-modal Transportation Systems by Leo Desorcy and David Kuperman from the City of Toronto, and Dewan Masud Karim from Dillon Consulting. In addition, we had special presentations by Shan Sureshan from MTO and Allan Abrogena and Victoria Prouse from the City of Toronto.

We also hosted a career-series event on Resume Write-Up and Interview Skills led by Shane Seney and Valerie Guzzo from the Region of Peel.

During our General meeting sessions, we had student presentations given by Andrew Robertson on his co-op experience with the Toronto Transit Commission, and by Ahmad Mohammadi on his thesis research on developing a device to prevent first responders' Injuries from collisions.

Networking Events

On campus, we co-hosted a Meet & Greet with our fellow CSCE student chapter, where ITE members and Civil engineering students intermingled and vented their midterm frustrations. We similarly hosted an End-of-Term social where students could de-stress after their final examinations. The graduate student members were also treated to a dinner with our transportation faculty to conclude the fall 2019 academic term.



VISSIM Training Workshop



Long-Term Transportation Planning seminar



Multi-Modal Transportation System seminar

Off-campus events attended by some of our members included the CARSP Networking Event, and ITE Toronto's AGM. Based on past successes, our media team was hired to live stream ITE Toronto's event on Facebook for the first time. We would also like to congratulate Azadeh Heydari and our founding student President Erik Nevland on their election to the executive of ITE Toronto. Several members also attended the Smart Freight Symposium at the University of Toronto, where our faculty member Dr. Peter Park gave a presentation on York University's freight research.

Special Events

The ITE York University Student Chapter for the second time partnered with the York University Geomatics Club to organize GIS Day, with presentations by industry professionals and students. Our graduate students Ubaid Ali and Crystal Wang demonstrated the use of GIS in their research while special guests Chris Livett from Metrolinx and Post Doctoral Fellow Dr. Seungho Yang each presented on transit topics.

We organized a number of tours including a non-technical tour of LinkedIn and a cycling tour both held in downtown Toronto, along with a York Region transit tour hosted by the region and co-organized by our student chapter and ITE Toronto.

Future Events

We kicked off the winter semester with our 2nd AGM and Holiday Supper at York University with students, faculty, and special guests. As always, we have big plans for this semester with plenty of seminars, workshops, and tours.

Club Information and Contact

For information about our student chapter or to view our first-year annual report, visit our website at www.ite.club.yorku.ca. Please let us know if you would be interested in speaking at one of our events next year or if you are interested in a sponsorship package. You can email us at ite@yorku.ca or visit one of our social media pages. We also encourage you to watch our new informational video on YouTube.



ITE Toronto Christmas Luncheon



2nd Annual YorkU General Meeting and Holiday Party



Christmas Dinner hosted by YorkU Faculty

UNIVERSITY OF TORONTO

UofT ITE Seminar Series

The weekly “Friday Seminar Series” established by the UofT ITE Student Chapter continues to invite speakers from a diverse set of backgrounds to discuss their work. This fall, seminars were delivered by a variety of transportation professionals.

In October, Mr. Raphael Dumas, Project Lead on the City of Toronto’s Big Data Innovation team, gave a talk about the impacts of vehicle for hire on Toronto’s transportation network. He discussed the analysis his group has performed on a rich data set provided by ride hailing services operating in Toronto. Details are available at this link: <https://uttri.utoronto.ca/news/raphael-dumas-explains-impacts-of-vehicle-for-hire/>

Games Night in the ITS Lab

Students took advantage of the Lab’s new projector for a games night. Video and board games were played accompanied by a plethora of snacks.

Transportation Research Board Annual Meeting

Dozens of U of T affiliated researchers are presented at the 99th annual TRB meeting in Washington DC in January 2020. UofT ITE hosted an annual reception dinner.



Seminar featuring Raphael Dumas from the City of Toronto



Games Night in the ITS Lab

CARLETON UNIVERSITY

Carleton University ITE chapter has seen a healthy start at the beginning of 2019 as well as steady growth in event participation and activities conducted.

The year started with the EngWide Expo held at Carleton University. This is a half daylong event, where all clubs and societies on campus have a chance to present themselves to potential new members, practically first-year students. The club had a successful membership drive, with lots of new subscriptions to the mailing list. New chapter executive members were chosen shortly

after: President Bomo Dambo, Vice President Chinecheta Nzelibe, Secretary Mehran Ali Mirza, Treasurer Abdul Basith Siddiqui, and Media Director Andrey Kirillov.

Our biggest event this semester was the Transportation Industry Night. We invited Project Managers of reputable companies such as WSP, CIMA+, etc. and Carleton University Professors to speak about their experiences and share some knowledge. The speakers presented their companies, roles, as well as major projects. Students got

a chance to network with the experts and connect with other club members.

Another big milestone for the club is getting the club CCR-Recognized. CCR is the Co-Curricular Record, which is an official document from Carleton University recognizing extracurricular activities that students are engaged in. This means that the executives of the club are eligible to receive CCR credits for their involvement with the chapter. In addition to this, CITE is now affiliated with Carleton Student Engineering Society (CSES), meaning more funding sources available for the chapter, as well as more potential to reach out to new potential members.

Carleton's CITE Chapter also got the chance to collaborate with members of the National Capital Section of ITE to organize a STEM Outreach event at the Boys and Girls Club of Ottawa to educate the younger generation about Transportation Engineering. Our club members did a splendid job facilitating groups and helping the kids solve hypothetical transportation-related problems. In the end, the children got an insight into how engineers work to solve the transportation-related problems in the community. The event led to National Capital ITE Chapter winning the ITE's competition with the best small event.

The Carleton University Student Chapter of CITE and the National Capital Section of CITE held the annual paper competition and prizes were awarded. The format of competition is Canadian Institute of Transportation Engineers (CITE) National Capital Section (NCS) Annual Student Paper Competition Night. Prizes were awarded. First place: \$500, *Hurdman - General - Riverside Medical Campuses Autonomous Vehicle System*. Presenters were Junshen Feng (PM), Bailey Jones, Ian Hall, Omar ElGergawy,

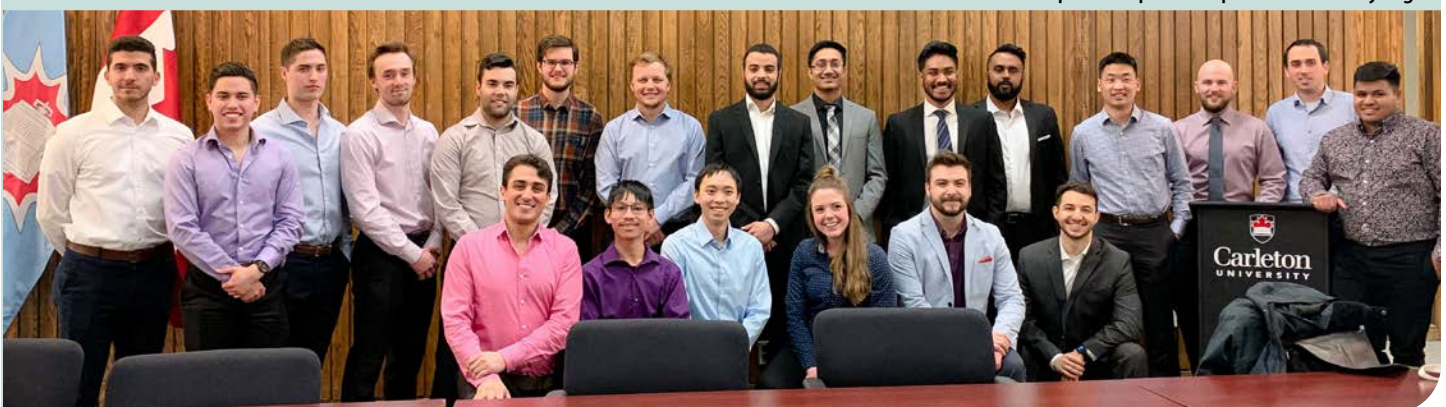
Timothy Young, Sam Veitch. Second place: \$300, *Gatineau-Ottawa Light Rail Transit via the Alexandra Bridge*. Presenters were Deluxsan Darmarajah, Adam Renaud, Tanvir Mohammed-Abdul, Steven Bechara (PM), Sadat Kamal. Third place: \$100, *Parking Facility for Connected and Autonomous Vehicles*. Presenters were Riley Courtland (PM), Aws Al-shedayfat, Zaid Elian, Matthew Kilmer, Matthew Monk, Bradley Reed.

We have many upcoming events planned such as the transportation software workshop to be conducted in Carleton University and a facility tour of the LRT project Ottawa. On top of that, we also have a job shadowing event planned for the coming term along with seminars and industry talks. To promote our club, we have also introduced our merchandise this year, starting with the CITE club patches. The executive team is excited about the upcoming events, and we are hoping to increase our membership and event attendance numbers. To find out more information about our club and our future activities, visit our Facebook page at facebook.com/CITECarletonUniversity or email us at cite.carleton@gmail.com.



Above: Industry Night participants

Below: Student Paper Competition presenters and judges



QUEBEC STUDENT CHAPTER

VISUM Workshop

The chapter organized a two day workshop for PTV VISUM in collaboration with the ECSGA. The workshop was free for all of the students. More than 20 students participated in this workshop and learned how to work with the sophisticated Macroscopic simulation. Concordia University now has a license for all PTV products thanks to Dr. Alecsandru.

PTV Visum is the world's leading software for traffic analyses, forecasts, and GIS-based data management. It consistently models all road users and their interactions and has become a recognized standard in the field of transport planning. Transportation experts use PTV Visum to model transport networks and travel demand, to analyze expected traffic flows, to plan public transport services and to develop advanced transport strategies and solutions.

Also, students received some information about transportation planning, how to define a new metro line or public transit line, how to define the demand for traffic area zones (TAZs). Moreover, they were informed about the 4-step modeling process and how to use theories in the real world.

Bi-weekly meetings

The student chapter's members held bi-weekly meetings during the fall semester with our advisor Dr. Alecsandru. The following events have been planned as a result of these meetings:

Visit Montreal traffic control center

In collaboration with the Quebec ITE chapter, the student chapter has organized a visit to the Montreal traffic control center for 15 graduate and undergraduate students. The visit has been organized during the first week of February. This visit will help the students to acquire information about monitoring the traffic in the Montreal metropolitan area. Also, it may help them for their future career as most of the major cities are dealing with congestion.

CIVIL 3D workshop

The chapter has organized a workshop for CIVIL 3D in the last week of January and the first week of February. This time has been selected because there will be no exam during this period, and also students start their semester, and they have enough time to participate in the workshop.

Individuals who are currently using AutoCAD or plan on learning AutoCAD will inherit many benefits of using Civil 3D. Civil 3D was created to be an add-on for AutoCAD, but as its popularity and demand grew, it was further evolved and developed into a stand-alone product — built on the AutoCAD platform.

ArcGIS workshop

In collaboration with the Graduate Student Association (GSA), the chapter has organized two days of ArcGIS workshop for the second week of February. ArcMap is ESRI's latest software application for mapping and GIS. As its name implies, ArcMap is a map-centric application that can be used for high-quality map-making as well as sophisticated spatial analysis. Making high-quality maps with ArcMap is quite simple. In this tutorial, students are expected to learn the basics of mapping.

Connect with CITE and your fellow members



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congratulations & welcome

CITE extends a warm welcome to all new Canadian District ITE members who recently joined us!

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Maygag Abdulkarim, E.I.T., City Of Toronto, Toronto, ON
Adnan Abou Alway, Mohawk College, Hamilton, ON
Haesung Ahn, University of Windsor, Windsor, ON
Emily Alexander, Lakehead University, Thunder Bay, ON
Kevin Allan, Mohawk College, Hamilton, ON
Aws Ayman Alshedayfat, Carleton University, Ottawa, ON
Ahmed Abedelkareem Alshurafa, University of Windsor, Windsor, ON
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