

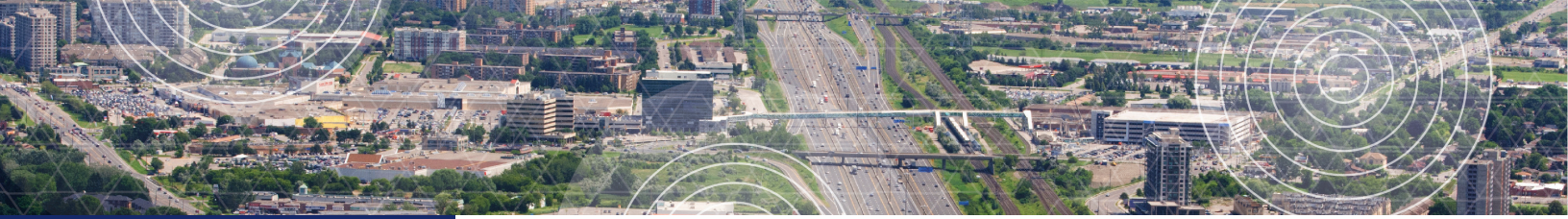


# Hello Tomorrow

## Durham Smart Cities Forum

September 29, 2018





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## Venue information

**University of Ontario Institute of Technology (UOIT)**  
 2000 Simcoe Street North, Oshawa, Ontario  
 Room UB2080

**Hello Tomorrow Wi-Fi login**  
 User name: SmartCities  
 Password: Fall2018!

## Transit and parking

We encourage attendees to use public transit. Event parking will be available on-site in the Founders Lot 2. For information on bus routes, please visit the Durham Region Transit website at [DurhamRegionTransit.com](http://DurhamRegionTransit.com).

## Media

Visit the media table with any media inquiries. Media materials are also available online at [durham.ca/newsroom](http://durham.ca/newsroom).





# Event map



- |   |   |  |                           |  |
|---|---|--|---------------------------|--|
| University of Ontario Institute of Technology buildings | ACE   | Energy Systems and Nuclear Science Research Centre | Simcoe Village Residence  | Science Building                             |
| Durham College buildings                                | Campus Corners                                | Gordon Willey Building                             | Student Services Building | Business and Information Technology Building |
| Shared buildings  | Clean Energy Research Lab                     | Justice Wing                                       | South Village Dining Hall | Pavilion                                     |
| Parking   | Campus Fieldhouse                             | Library  | South Village Residence   |  |
| Accessible parking                                      | Campus Ice Centre                             | Residence Townhouses                               | South Wing                |  |
| Information   | Campus Recreation and Wellness Centre         | Simcoe Building                                    | Enrolment Services        |  |
| Bus stops   | Ontario Power Generation Engineering Building | Student Centre                                     |                           |  |

If you require an alternative format of this information, contact [marketing@uoit.ca](mailto:marketing@uoit.ca).

## Let's get social



Connect with us about the event online using the hashtag **#SmartCitiesDurham**.



# Welcome to Hello Tomorrow

## Time to experience, learn and contribute

The Region of Durham is looking at technology solutions to strengthen decision making and improve service delivery for the people who live and work in our communities. We're glad you've joined us to be part of the conversation.

Through discussions, exhibits and demos, we will highlight local examples of smart cities approaches, celebrate work already underway, and begin to chart where to go next.

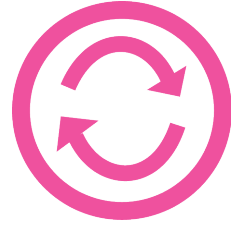
You will hear from speakers—including public sector innovators, technology entrepreneurs, community leaders and trailblazing educators—about their digital leadership journey and how we can work together to design the path forward.

### **We will explore some key themes:**

- What can we do to ensure Durham Region is a “smart” community?
- How can technology solutions create economic opportunities, improve sustainability and enhance the quality of life in Durham Region?
- How can we enhance our collaboration with traditional and non-traditional partners?
- How can we improve information sharing to empower residents?

## What is a smart city?

There is no single definition of a smart city as it can mean many different things. All smart cities use technology to collect and analyze data. Governments can use devices connected to the Internet to gather information and interact with residents and infrastructure to make better decisions. Durham Region is focused on connecting with people to address economic, social and environmental challenges.







# Thanks for your support

## We couldn't have done this without you

Thank you to all of our partners, speakers, sponsors, exhibitors and delegates for their generous support of this event.

### Partners



### Sponsors



### Supporters





# Event features

## EventMobi app

A free Hello Tomorrow: Durham Smart Cities Forum app has been developed to allow attendees to interact and provide feedback throughout the event. The app also features polls and surveys, event challenges, speaker bios and presentations/resources, and more. Download the app from the Apple Store or Google Play Store by searching “eventmobi” and entering the code HT18. A web browser version is also available at [EventMobi.com/app/HT18](https://EventMobi.com/app/HT18).

Those who aren’t able to attend the event can also use the app while watching a live broadcast of the sessions at [durham.ca/SmartCities](https://durham.ca/SmartCities).

## Live streaming

The Hello Tomorrow: Durham Smart Cities Forum will be broadcasted live at [durham.ca/SmartCities](https://durham.ca/SmartCities).

## Event challenge

Select on the Event Challenge tab in the app for the list of challenges. Collect a minimum of 500 points for a chance to win great prizes, including an iPad! The winner of the event challenge will be announced at the post-event reception. In the event of a tie, a random draw will be held. **Program event challenge code: HTprgm**

## Accessibility

This event will feature Communication Access Realtime Translation (CART) transcription and event ambassadors to offer assistance.

## GM Cadillac Super Cruise

Check out Cadillac Super Cruise, the industry’s first true hands-free driving technology for the highway. Cadillac Super Cruise redefines “hands-free” driving and provides comfort and convenience in long-distance travel and daily commutes.



# Event agenda

8:30 a.m.

**Registration and Light Breakfast**

9 a.m.

**Opening Remarks**

**Sandra Austin**, Manager, Corporate Initiatives, Region of Durham

**Dr. Robert Bailey**, Associate Provost, UOIT

9:15 a.m.

**Morning Keynote**

**Hillary Hartley**, Ontario's Chief Digital Officer

9:45 a.m.

**Smart Durham Panel**

**Jamie Austin**, Deputy General Manager, Durham Region Transit

**Brian Kelly**, Manager of Sustainability, Region of Durham

**Kalyan Chakravarthy**, Chief Information Officer (CIO), Region of Durham

**Audrey Andrews**, Manager, Strategic Partnerships and Initiatives, Region of Durham

**Moderated by:**

**Dr. Darren Levine**, Manager of Research and Innovation, Region of Durham

**Dr. Daniel Sparks**, Research Coordinator, Region of Durham

## Join the conversation

Use the live polls and surveys in the app to engage during the sessions.





# Event agenda

11 a.m.

## **Morning Networking Break**

11:15 a.m.

## **Technology Spotlight**

**Alex Shalash**, Founder and CEO, HERO Smart City Management and Resiliency Simulation Platform

11:30 a.m.

## **Interactive Education Panel**

**Dr. Khalid Elgazzar**, Assistant Professor, Canada Research Chair in Internet of Things (IoT), UOIT

**Ali Hirji**, Project Manager, Durham College AI/Hub

**George O'Toole**, Innovation Education Coach, Durham District School Board

### **Moderated by:**

**Dr. Dan Hoornweg**, Chair, Energy Systems and Nuclear Science Research Centre, UOIT

12:30 p.m.

## **Networking Grab and Go Lunch**

1:15 p.m.

## **Smart Inclusivity**

**Jamie Coons**, Councillor, Mississaugas of Scugog Island First Nation





# Event agenda

1:30 p.m.

## **Faces of Leadership in a Connected Community Panel**

**Sherry Colbourne**, President and CEO, Spark Centre

**Pat Shaw**, Founding Advisor, Coding for Veterans

**Jamie Coons**, Councillor, Mississaugas of Scugog Island First Nation

### **Moderated by:**

**Angela Gibson**, Director, Corporate Policy and Strategic Initiatives, Region of Durham

2:15 p.m.

## **Smart City Innovation**

**Murray Marven**, Senior Consultant, IoT and Smart City Solutions, Bell Canada

2:30 p.m.

## **Afternoon Networking Break**

2:45 p.m.

## **Transportation Spotlight – Connected Autonomous Vehicles**

**Raed Kadri**, Director, Automotive Technology and Mobility Innovation, Ontario Centres of Excellence

# Get your game on

Want to know who won the game? Meet us at the post-event reception to hear the announcement.



# Event agenda

3:05 p.m.

## **Student Innovation Showcase**

Shagun Maheshwari, Student Innovator, The Knowledge Society

3:15 p.m.

## **ThinkLink Graphics**

Disa Kauk, ThinkLink Graphics

3:20 p.m.

## **Wrap Up**

3:30 to 5 p.m.

## **Post-event Reception at Durham College AI/Hub**

What is your **one big idea**  
for a smarter **Durham?**

Connect with us on social media or email us at  
[SmartCities@durham.ca](mailto:SmartCities@durham.ca).







# Meet the speakers

For full speaker biographies, please view the Hello Tomorrow: Durham Smart Cities Forum app.



**Alex Shalash**  
CEO and Founder  
**HERO Smart City Management  
and Resiliency Simulation  
Platform**



**Dr. Daniel Hoornweg**  
Chair, Energy Systems and  
Nuclear Science Research  
Centre  
**UOIT**



**Ali Hirji**  
Project Manager  
**Durham College AI/Hub**



**Dr. Daniel Sparks**  
Research Coordinator, Research  
and Innovation Unit,  
Social Services  
**Region of Durham**



**Angela Gibson**  
Director, Corporate Policy and  
Strategic Initiatives  
**Region of Durham**



**Dr. Darren Levine**  
Manager, Research and  
Innovation Unit, Social Services  
**Region of Durham**



**Audrey Andrews**  
Manager, Strategic Partnerships  
and Initiatives, Social Services  
**Region of Durham**



**Disa Kauk**  
Graphic Recorder  
**ThinkLink Graphics**



**Brian Kelly**  
Manager of Sustainability  
**Region of Durham**



**George O'Toole**  
Innovation Education Coach  
**Durham District School Board**



# Meet the speakers



**Hillary Hartley**  
Chief Digital Officer and Deputy  
Minister  
Province of Ontario



**Pat Shaw**  
Founding Advisor  
Coding for Veterans



**Jamie Austin**  
Deputy General Manager of  
Business Services  
Durham Region Transit



**Shagun Maheshwari**  
Student Innovator  
The Knowledge Society



**Jamie Coons**  
Councillor  
Mississaugas of Scugog  
Island First Nation



**Raed Kadri**  
Director, Automotive Technology  
and Mobility Innovation  
Ontario Centres for Excellence



**Kalyan Chakravarthy**  
Chief Information Officer (CIO)  
Region of Durham



**Dr. Robert Bailey**  
Associate Provost  
UOIT



**Dr. Khalid Elgazzar**  
Assistant Professor, Canada  
Research Chair in Internet of  
Things (IoT)  
UOIT



**Sandra Austin**  
Manager, Corporate Initiatives  
Region of Durham



**Murray Marven**  
Senior Consultant, IoT and  
Smart Cities Solutions  
Bell Canada



**Sherry Colbourne**  
President and CEO  
Spark Centre





# The exhibitors



## **1COMMUNITY1**

1COMMUNITY1 is a Social Networking Solution with a focus on developing community. It is a multi-faceted platform creating connections between citizen, government and business – both on-line and in real-world applications.

[1community1.ca](http://1community1.ca)



## **Business Advisory Centre of Durham (BACD)**

BACD is a not-for-profit that helps entrepreneurs and small businesses in the Durham Region start or grow their business.

[bacd.ca](http://bacd.ca)



## **Central Lake Ontario Conservation Association (CLOCA)**

CLOCA's mandate is to establish and undertake programs to promote the conservation, restoration, development and management of natural resources in partnership with local municipalities and the province.

[cloca.ca](http://cloca.ca)



## **City of Oshawa**

The Teaching City's Initiative is a partnership between the City of Oshawa and a number post-secondary institutions, aimed at studying and discovering ways to improve the future of municipalities.

[oshawa.ca/TeachingCity](http://oshawa.ca/TeachingCity)



## **City of Pickering**

Pickering provides an unprecedented quality of life, has the highest diversity rate in Durham, and continues to attract residents and businesses from all over the world.

[pickering.ca](http://pickering.ca)



## **CNIB GTA Foundation Hub**

Celebrating 100 years in 2018, the CNIB Foundation is a non-profit organization driven to change what it is to be blind today. CNIB delivers innovative programs and powerful advocacy that empower people impacted by blindness to live their dreams and tear down barriers to inclusion.

[cnib.ca](http://cnib.ca)

# The exhibitors



## **Durham Region Economic Development and Tourism Division**

The Economic Development and Tourism Division's priority is to lead, facilitate and support various investment attraction and expansion initiatives.

[InvestDurham.ca](http://InvestDurham.ca)



## **Durham Region Transit**

Durham Region Transit is the regional public transit operator in Durham Region.

[DurhamRegionTransit.com](http://DurhamRegionTransit.com)



## **Durham Regional Police Service**

The Durham Regional Police Service (DRPS) is the police service operated by and serving Durham Region.

[drps.ca](http://drps.ca)



## **General Motors (GM) of Canada**

GM's vision is to be the world leader in transportation products and services.

[gm.ca](http://gm.ca)



## **North Line**

North Line is an international innovator, manufacturer, and distributor of intelligent traffic, data, and asset management solutions.

[NorthLineCanada.com](http://NorthLineCanada.com)



## **Oshawa Power and Utilities Corporation (OPUC)**

OPUC is a diversified holding company that has demonstrated leadership and innovative solutions with a customer-centred and strategic focus.

[puc.on.ca](http://puc.on.ca)



## **Smart Commute**

Smart Commute helps anyone who is going from A To B explore and try out smart travel options such as walking, cycling, transit and carpooling.

[SmartCommute.ca](http://SmartCommute.ca)







# About Durham Region

## Location

As the largest municipality in the Greater Toronto Area, Durham Region features a variety of landscapes and communities. With abundant green space and urban amenities, Durham Region's impeccable blend of location, land and infrastructure offers residents a balanced lifestyle.

## Talent

Durham's diverse and inclusive workforce—known for its innovation and creativity—is both highly skilled and educated. As one of the fastest growing communities in North America, Durham's affordable real estate and excellent quality of life help to ensure immigration remains a significant catalyst for growth. The result: a community rich in cultural heritage and strong in creative culture.

## Education and innovation

Durham Region is home to several post-secondary institutions—University of Ontario Institute of Technology (UOIT), Trent University, Queen's University, Durham College and Centennial College—which have been recognized for their collaborative research, leading-edge innovation, and market-driven academic programming.

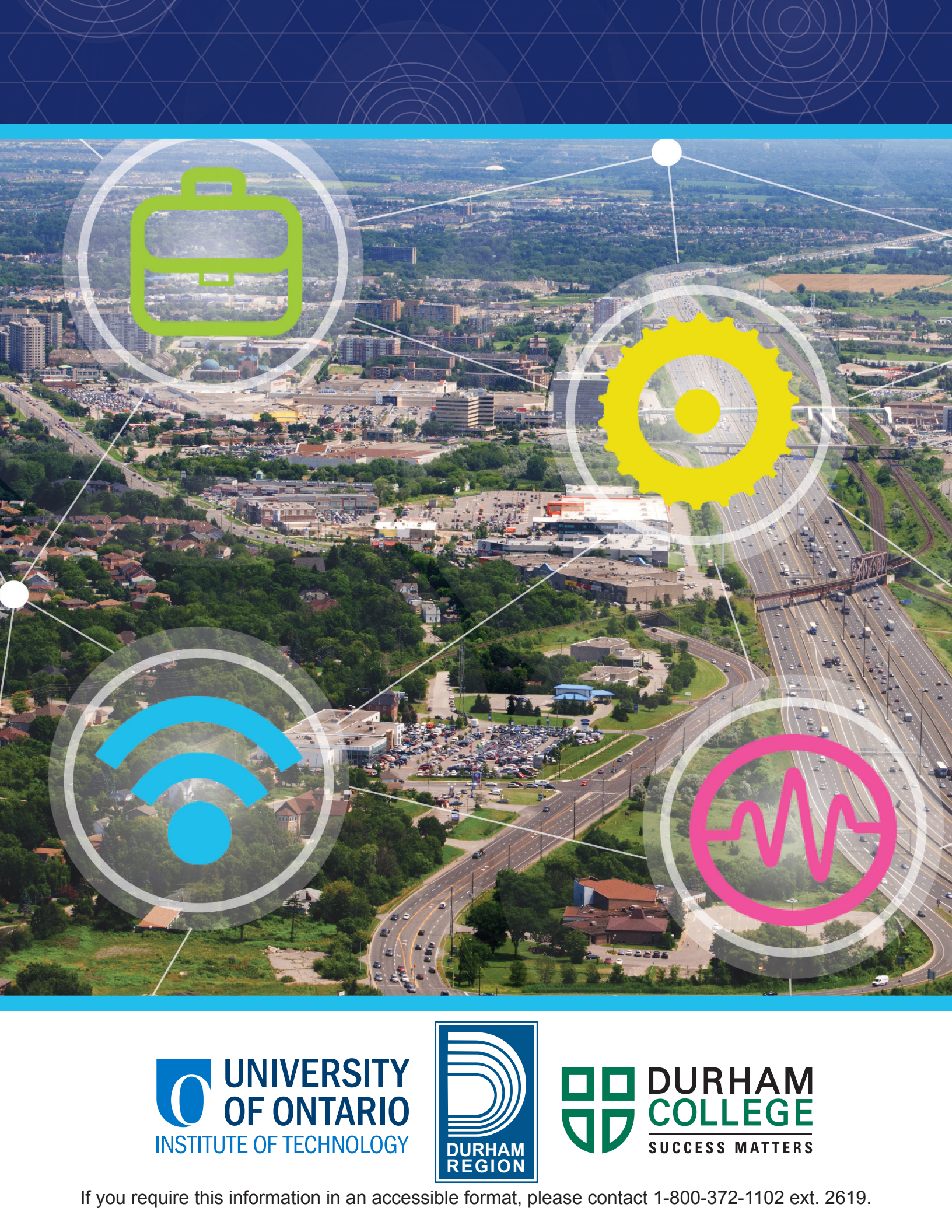
Our local centres of excellence offer opportunities for entrepreneurs, innovators, investors, researchers and students to come together to exchange ideas, help each other succeed, and be part of an innovation ecosystem.

# Smart Cities Challenge

In November 2017, Infrastructure Canada announced the federal Smart Cities Challenge, inviting Canadian municipalities, including regional governments and Indigenous communities, to collaborate with residents, businesses, and community organizations, to adopt a smart cities approach using data and connected technology to address local issues.

This forum will be the first of a series of public engagement activities undertaken by the Region as it collaborates with key stakeholders to develop and submit an application for Infrastructure Canada's next round of the Smart Cities Challenge, which is anticipated to be launched in 2019.





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