

#### 2024 ASEE St. Lawrence Section Annual Conference at the Lassonde School of Engineering

**Conference Program** 

April 26 — 27, 2024
Bergeron Centre for
Engineering Excellence



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#### **Teaching Award Winner**



Dr. Shivaun D. Archer

Senior Lecturer

Meinig School of Biomedical Engineering

Cornell University

The ASEE St. Lawrence Section recognizes Dr. Shivaun Archer as the 2024 Outstanding Teacher for her contributions in developing 28 innovative labs across the biomedical engineering curriculum and her deep caring for students. She extends her impact by mentoring new faculty, leading teaching workshops, and sharing her work through ASEE.

#### **Conference Officials**

#### **Conference Chair**

• Mojgan Jadidi, York University, Canada

#### **Organizing Committee**

- Emily Hammond, University of Buffalo, USA, (Paper Chair)
- Koenraad Gieskes, Binghamton University, USA
- Kathryn Dimiduk, Cornell University, USA
- David Titley-Peloquin, McGill University, Canada
- Lawretta Ononye, State University of New York at Canton, USA
- Hadas Ritz, Cornell University, USA

#### **Local Organizing Committee**

- Marzieh Ahmadzadeh, York University, Canada
- Maleknaz Nayebi, York University, Canada
- Damith Tennakoon, York University, Canada
- Melissa Abraham, York University, Canada

#### **Current Officers**

#### ASEE St. Lawrence Section



Chair Koenraad Gieskes

Assistant Director
Engineering Design Division
Binghamton University



Conference Chair Mojgan Jadidi, PhD, PEng Associate Professor, Teaching stream, Civil Engineering, Lassonde School of Engineering, York University



Awards Chair
David Titley-Peloquin

Senior Faculty Lecturer
McGill University
Department of
Bioresource Engineering
McGill University



**Secretary Dr. Lawretta Ononye** 

Associate Professor
Canino School of
Engineering Technology
State University of New
York at Canton

#### **Current Officers (cont.)**

#### ASEE St. Lawrence Section



**Treasurer Kathryn Dimiduk** 

Director, James McCormick
Family Engineering
Teaching Excellence Institute
Cornell University



Officer at Large Hadas Ritz

Senior Lecturer, Sibley School of Mechanical and Aerospace Engineering Cornell University



Past Chair Emily Hammond

Associate teaching Professor
Department of Engineering
Education, School of
Engineering and Applied
Sciences
University of Buffalo

#### **Conference Information**

#### **Topics**

Academic and industry collaboration
Assessment of teaching and learning
Connected engineering communities
Diversity, equity, inclusion, and accessibility in
engineering

Experiential learning and project-based learning Integrating technology into engineering education Leadership and entrepreneurship in engineering Outreach and pipeline solutions

Trends and innovations in engineering education

#### Registration

Registration is required for all attendees and presenters. Badges are required for admission to all events. Registration fees include admission to the conference banquet and closing reception.

#### **Conference Information (cont.)**

#### Hotel Accommodations

On-campus

Special Price Hotel on campus at Executive Learning Center (for bookings made prior to March 25, 2024)

- Email: reservations@schulich.yorku.ca
- Phone: 1 416-650-8300
- Provide these details when booking:
  - Block Name: 2024 ASSE STL Conference at Lassonde
  - Block Number: 692663

# Hotel Accommodations Off-campus

#### **Courtyard by Marriott Toronto Vaughan**

150 Interchange Way, Toronto, ON L4K 5P7

#### <u>Homewood Suites – Toronto Vaughan</u>

618 Applewood Crescent, Vaughan, Ontario, L4K 4B4, Canada

#### **Residence Inn Toronto Vaughan**

11 Interchange Way, Vaughan, Ontario, Canada, L4K 5W3

#### **Spring Hill Suites Toronto Vaughan**

612 Applewood Crescent, Vaughan, Ontario, Canada, L4K 4B4

#### **Hilton Garden Inn**

3201 Highway 7 Vaughan, Ontario L4K 5Z7, Canada

#### **Conference Information (cont.)**

#### **Parking**

Arboretum

Closest parking location to conference building

Cost (maximum): \$2.50/half-hour (\$20.00 max) Weekday Evenings: \$2.50/half-hour (\$8.00 max)

after 6:00 p.m.)

Saturday: \$7.00 flat Sunday: \$5.00 flat

For parking at other locations on campus, visit the York University's parking servers website:

- York University Parking:
   <a href="https://www.yorku.ca/parking/">https://www.yorku.ca/parking/</a>
- Daily Rates:
   https://www.yorku.ca/parking/parking-rates-permits/daily-rates/
- Map: <a href="https://www.yorku.ca/parking/wp-content/uploads/sites/51/2023/04/2D-KEELE\_Map\_APR-2023-Parking-r1.pdf">https://www.yorku.ca/parking/wp-content/uploads/sites/51/2023/04/2D-KEELE\_Map\_APR-2023-Parking-r1.pdf</a>

## Conference Proceedings

Conference proceedings will be published on the ASEE website (<a href="https://www.asee.org">https://www.asee.org</a>).

#### **Social Functions**

**Cash Bar Reception** April 26, 6:00PM - 6:50PM Bergeron Centre for Engineering Excellence Room 125
11 Arboretum Ln, North York, ON M3J 2S5

**Dinner Banquet** April 26, 7:00PM - 9:00PM Bergeron Centre for Engineering Excellence, Eatery

11 Arboretum Ln, North York, ON M3J 2S5

#### **Conference Schedule**

#### Friday, April 26

Registration 4:00pm - 5:00pm

Main Floor

Cash Bar Reception 6:00pm - 6:50pm

**Room 125** 

Dinner Banquet 7:00pm - 9:00pm

Eatery

Welcome **7:10pm - 7:30pm** 

Keynote Speaker 7:30pm - 8:10pm

ASEE STL Section Chair 8:30pm - 8:50pm

#### **Conference Schedule**

#### Saturday, April 27

**Registration & Breakfast** 

Main Floor

8:30am - 9:20am

9:20pm - 10:20pm

**Welcome & Plenary** 

**Room 125** 

**Technical 1** 10:30am - 11:30am

Room 217

Bhavana Kotla and Lisa Bosman, Perdue University

Junnan Cao, University of Mount Union

Janet. J. Y. Lam, University of Toronto

Kai Zhuang, Dimpho Radebe, and Mojgan Jadidi, York University

11:30am - 12:30pm

#### **Technical 2** 10:30am - 11:30am

**Room 313** 

Jimmy Hulton, Tyler Aitken, Libby (Elizabeth) Osgood, Matthew Hutchinson, and Tin Nguyen, University of Prince Edward Island

Evalyna Bogdan, Nadine Ibrahim, and Heather Murdock, York University

George G. Weinschenk and Koenraad Gieskes, Binghamton University

Trystan S. Goetze, Cornell University

#### Student Poster Session

Student Poster Session

Eatery

Lunch 12:00pm - 1:00pm

Eatery

**Technical 3** 1:00pm - 2:15pm

Room 217

Brian P. Murphy, SUNY Buffalo State University

Daniela Galatro, Cathy Chin, and Bradley Saville, University of Toronto

Darren Singh, Raafat Khankan, Yousaf Ijaz, Damith Tennakoon, and Mojgan Jadidi, York University

Michael E. Kuhl, Rochester Institute of Technology

Libby (Elizabeth) Osgood, Faculty of Sustainable Design Engineering and Christopher Power, University of Prince Edward Island

#### **Technical 4**

1:00pm - 2:15pm

**Room 313** 

Ioana E. Tiu, Koenraad Gieskes, and Melissa Simonik, Binghamton University

William Craine, Libby (Elizabeth) Osgood, University of Prince Edward Island

Juliette Sweeney, University of Toronto

Chris Rennick, Mary A. Robinson, Sophie T. Nasato, and Samantha T. White, University of Waterloo

Vanessa Ironside and Lisa Lim-Cole, York University

#### **Coffee Break**

2:15pm - 2:30pm

Eatery

**Technical 5** 

2:30pm - 3:45pm

Room 217

Rajarajan Subramanian and Sofia M. Vidalis, Pennsylvania State University at Harrisburg

Lisa L. Greenwood, Yewande S. Abraham, Sumita Mishra, and Jennifer L. Schneider, Rochester Institute of Technology

Cindy Rottmann, University of Toronto

Reilly L. Sullivan and Libby Elizabeth Osgood, University of Prince Edward Island

#### **Technical 6**

2:30pm - 3:45pm

**Room 313** 

David Titley-Peloquin, Alice Cherestes, Gernando Altamura, McGill University

Katherine Abrey, Deanna Malone, Maddy Cronin, and Libby (Elizabeth) Osgood, University of Prince Edward Island

Andrew L. Maxwell, Victoria B. Horvath, Nicholas Di Scipio, York University

Maryam Nasri and Stephanie R. Goldberg, Buffalo State University

Break 3:45pm - 4:00pm

Eatery

Closing Remarks and 4:00pm - 4:30pm Awards Ceremony

Eatery

Ice Cream and Networking 4:30pm - 5:00pm

#### **Speaker Profiles**



Franz Newland
Associate Professor at
York University

Dr Franz Newland is an associate professor – teaching stream at York University in the Department of Earth & Space Science & Engineering. He is also a romantic idealist, who recognizes and inadequately tries to work to overturn his privilege. Through this privilege and good fortune, he has been able to collaborate on creating the "cross-campus capstone classroom", which has won the Airbus GEDC award for diversity in June 2020 and the STLHE D2L award in June 2023. He was also awarded the ASEE St Lawrence Section Outstanding Educator award in April 2021. He is a lifelong learner, a dotty dad, husband and friend to a quaker parrot.

#### **Speaker Profiles**



Lisa Cole
Director of
Programming at k2i –
Lassonde School of
Engineering, York
University

Lisa Cole is the Director of Programming at k2i (kindergarten to industry) academy at the Lassonde School of Engineering. The k2i academy is an innovative ecosystem, committed to dismantling systemic barriers to opportunity for underrepresented students in STEM. Launched in June 2020, k2i academy works alongside some of the largest school boards in Canada to co-create strategic directions for system change work in STEM education in Ontario. Alongside innovative partners and collaborators, k2i academy has reached over 27,000 youth, educators, families, and community members in over 230,000 hours of STEM learning experiences.

k2i has employed over 400 high school students in work-integrated learning programs and empowered over 130 undergraduate STEM students to engage in this work as mentors and leaders. The k2i academy is an award-winning team, passionate about creating equitable and inclusive opportunities for students to explore STEM fields and careers, and to develop the skills and mindsets that will enable them to become future innovators, critical thinkers, and problem solvers.

10:30AM-11:30AM| Bergeron Room 217

Moderated by Marzieh Ahmadzadeh

A Review of Photovoice-Based
Entrepreneurial-Minded Pedagogical
Interventions in the Engineering Classroom:
Definitions, Benefits, and Challenges

Bhavana Kotla and Lisa Bosman (Perdue University)

2 Influences of course evaluation frequency on teaching and student learning

Junnan Cao (University of mount union)

3 Impact of lecture recordings in a post-COVID environment

Janet. J. Y. Lam (University of Toronto)

Art-Inspired Pedagogies in Engineering Education

Kai Zhuang, Dimpho Radebe, and Mojgan Jadidi (York University)

10:30AM-11:30AM| Bergeron Room 313

Moderated by Maleknaz Nayebi

# What is Success? Lessons Learned from a Student-Taught Co-Curricular CAD Program

Jimmy Hulton, Tyler Aitken, Libby (Elizabeth) Osgood, Matthew Hutchinson, and Tin Nguyen (University of Prince Edward Island)

The Flood Resilience Challenge serious game to teach complex socio-environmental issues in engineering

Evalyna Bogdan, Nadine Ibrahim, and Heather Murdock (York University)

3 Ethical Analysis Process Toward Learning Professionalism in the Applied Sciences Classroom

George G. Weinschenk and Koenraad Gieskes (Binghamton University)

A Roleplaying Game-Based Engineering Ethics Education: Lessons from the Agency of Art

Trystan S. Goetze (Cornell University)

1:00PM-2:15PM| Bergeron Room 217

Moderated by Emily Hammond

## Clean Energy Education and the Energy Transition Agenda

Brian P. Murphy (SUNY Buffalo State University)

#### 2 Strategies for Chemical Process Design: A Sustainability-based Approach

Daniela Galatro, Cathy Chin, and Bradley Saville (University of Toronto)

## Towards Development of an Interactive Mobile Application for Teaching UN SDG Goals

Darren Singh, Raafat Khankan, Yousaf Ijaz, Damith Tennakoon, and Mojgan Jadidi (York University)

## A Simulation Escape Room: Verification and Validation is the Key

Michael E. Kuhl (Rochester Institute of Technology)

## 5 Reflection in Engineering Design: Student Perceptions on Usefulness

Libby (Elizabeth) Osgood, Faculty of Sustainable Design Engineering Christopher Power (University of Prince Edward Island)

1:00PM-2:15PM| Bergeron Room 313

Moderated by Lawretta Ononye

The Effect of Male to Female Ratios on Female Students in Engineering and Technical Science Majors

Ioana E. Tiu, Koenraad Gieskes, and Melissa Simonik (Binghamton University)

2 Work-In-Progress Investigation on Academic Accommodations: Needs and Barriers for Support

William Craine, Libby (Elizabeth) Osgood (University of Prince Edward Island)

Graduate Engineering Programs: Admission,
Success, Support and Institutional Culture
Juliette Sweeney (University of Toronto)

An investigation into gender diverse populations in hackathon environments

Chris Rennick, Mary A. Robinson, Sophie T. Nasato, and Samantha T. White. (University of Waterloo)

Work-Integrated Learning: An Alternative Pathway for High School Physics

Vanessa Ironside and Lisa Lim-Cole (York University)

2:30PM-3:45PM| Bergeron Room 217

Moderated by Mojgan Jadidi

## Students Evaluate Professor's Teaching Performance: Analysis

Rajarajan Subramanian and Sofia M. Vidalis (Pennsylvania State University at Harrisburg)

# 2 Preparing the Engineers of Tomorrow: Standards Education for Infrastructure Improvement and Resilience

Lisa L. Greenwood, Yewande S. Abraham, Sumita Mishra, and Jennifer L. Schneider (Rochester Institute of Technology)

#### "Leadership as an Alienating Social Myth": Disciplinary fissures as a catalyst to interdisciplinary understanding

Cindy Rottmann (University of Toronto)

# Do We Design for People or to Make Things?: Student Motivations, Barriers and Mindsets in an International Humanitarian Engineering Experience

Reilly L. Sullivan and Libby Elizabeth Osgood (University of Prince Edward Island)

2:30PM-3:45PM| Bergeron Room 313

Moderated by Emily Hammond

## 1 Experiences with Collaborative Learning Activities in Undergraduate STEM Courses

David Titley-Peloquin, Alice Cherestes, Gernando Altamura (McGill University)

## 2 International Humanitarian Trips: Objectionable or Estimable?

Katherine Abrey, Deanna Malone, Maddy Cronin, and Libby (Elizabeth) Osgood (University of Prince Edward Island)

# The SARIT Electric Vehicle: Driving Change in Micro-Mobility at York University's Living Lab

Andrew L. Maxwell, Victoria B. Horvath, Nicholas Di Scipio (York University)

# Infusing a Series of Motor Lab Exercises and Projects into the Freshman Circuits Course

Maryam Nasri and Stephanie R. Goldberg (Buffalo State University)

#### **Poster Session**

A Review of Photovoice-Based Entrepreneurial-Minded Pedagogical Interventions in the Engineering Classroom: Definitions, Benefits, and Challenges

Bhavana Kotla, Lisa Bosman

Algorithms and Education: A Review of the Current and Future Effects of Using Artificial Intelligence in the Classroom

Nicholas Garner

#### **Buffalo State University Transformer Trainer**

Joshua Gagliardi, Caleb J Saxbury, Christian A Prem, Daemani Devonshire

#### **COSMOS IV**

Dante Cracchiola, Jinnan Wu, Colin Pfeifer, Sang Chin

#### Crossing Boundaries and Building Leadership Competencies in a Global Engineering Course: A Case Study

Anuli S. Ndubuisi, Philip Asare, Mesha Ajaz, James Slotta

#### **Poster Session (cont.)**

## Do students develop social justice principles through an international service-learning experience?

Analiya Benny, Libby (Elizabeth) Osgood

## Investigating the effects of project-based learning on engineering career preparedness

Spencer R. Davis, Jennifer L. Bailey

#### **Novel Amputee Board**

Katherine Abrey, Adiel Rutabana, Victoria Yates, Mohamed Alzohary, Elizabeth (Libby) Osgood

## The Learning Divide: Understanding Educational Disparities Amidst Crisis

Emily J. Wiesenfeld

#### W.A.N.D.A for the C.O.S.M.O.S

Samuel F. Molino, Jamaal M. Huff, Joseph D. Genau

#### **Writing and Presentation in Engineering Education**

Jake D. Ritchie

#### **Special Thanks**



Melissa Abraham

Events Coordinator
Lassonde School of Engineering
York University



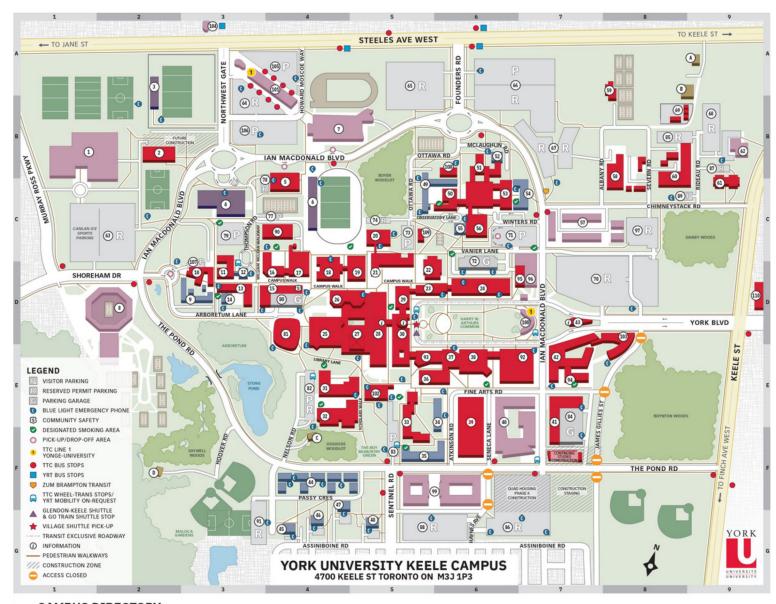
**Salvatore Paneduro** 

Director of Educational Innovation Lassonde School of Engineering York University

Special thanks go to Melissa Abraham and Lassonde Education Innovation Studio (LEIS) Team! This conference came together because of their patience, diligence, strong relationships, and unwavering commitment to "make it happen".

Thank you!

#### **Campus Map**



#### **CAMPUS DIRECTORY**

	ACADEMIC, ADMINISTRATION COMMERCIAL BUILDINGS	VE &	
59	190 Albany Road	ALB	A8
110	4747 & 4751 Keele Street		D9
92	Accolade East	ACE	E7
93	Accolade West	ACW	E5
33	Atkinson	ATK	E5
17	Allan I. Carswell Astronomical Observatory, Petrie	PSE	D4
29	Behavioural Science	BSB	D5
41	Bennett Centre for Student Services, Admissions	BCS	E7
81	Bergeron Centre for Engineering Excellence	BRG	D4
24	Bookstore, York Lanes	YL	D6
69	Bus Compound		<b>B8</b>
10	Calumet College	CC	D3
27	Central Square	CSQ	D5
58	Central Utilities Building	CUB	B8
38	Centre for Film & Theatre	CFT	E6
16	Chemistry	CB	D4
26	Curtis Lecture Halls	CLH	D4
94	Executive Learning Centre	ELC	E7
21	Farquharson Life Sciences	FRQ	D5
23	First Student Centre	STC	D5
108	Founders Annex North	FAN	B6
109	Founders Annex South	FAS	C5
50	Founders College	FC	C6
31	Health, Nursing & Environmental Studies	HNE	E4
32	Ignat Kaneff Building, Osgoode Hall Law School	OSG	E4
36	Joan & Martin Goldfarb Centre for Fine Arts	CFA	E5
95	Kaneff Tower	KT	<b>D7</b>
61	Kinsmen	K	C9
19	Lassonde Building	LAS	D5
90	Life Sciences Building	LSB	C4
43	Lorna R. Marsden Honour Court & Welcome Centre	HC	D7
20	Lumbers	LUM	C5

51	McLaughlin College	MC	B6	
11	Norman Bethune College	BC	D3	
17	Petrie Science & Engineering	PSE	D4	
60	Physical Resources Building	PRB	<b>B8</b>	
03	Rob and Cheryl McEwen Graduate Study & Research Building	MB	D8	
28	Ross Building	R	D5	
25	Scott Library	SCL	D4	
27	Scott Religious Centre, CSO	SRC	D5	
02	Second Student Centre	SSC	E5	
42	Seymour Schulich Building	SSB	E7	
2	Sherman Health Science Research Centre	SHR	B2	
18	Steacie Science & Engineering Library	vSTL.	D4	
22	Stedman Lecture Halls	SLH	D5	
13	Stong College	SC	D3	
4	Tait McKenzie Centre	TM	C3	
56	Vanier College	VC	C6	
30	Vari Hall	VH	D5	
39	Victor Phillip Dahdaleh Building	DB	E6	
5	West Office Building	WOB	C4	
15	William Small Centre	WSC	D4	
53	Winters College	WC	C6	
24	York Lanes	YL	D6	
	RESIDENCES & APARTMENTS	5		
48	320 Assiniboine Road	AS2	G5	
47	340 Assiniboine Road	AS4	F4	
46	360 Assiniboine Road	AS6	G4	
45	380 Assiniboine Road	AS8	G4	
34	Atkinson Residence	AR	E6	
9	Calumet Residence	CR	D3	
49	Founders Residence	FR	C5	
12	Norman Bethune Residence	BR	D3	
44	Passy Gardens, 2–18 Passy Cres.	PASSY	F4	
14	Stong Residence	SR	D3	
52	Tatham Hall	TH	<b>B6</b>	
35	The Pond Road Residence	PON	F5	
55	Vanier Residence	VR	C6	
54	Winters Residence	WR	<b>C7</b>	

	PARKING GARAGES - VISIT	ORS	
80	Arboretum Lane Parking Garage	APG	D4
84	Student Services Parking Garage	SPG	E7
72	York Lanes Parking Garage	YPG	D6
	PARKING LOTS - VISITORS		
83	Atkinson Lot		F5
107	Calumet Lot		<b>D3</b>
66	Founders Road East Lot		A6
73	Lumbers Lot		C5
82	Nelson Road Lot		E4
64	Northwest Gate Lot		<b>B3</b>
105	Northwest Gate North Lot		A4
106	Northwest Gate South Lot		<b>B3</b>
89	Physical Resources South Lot		C8
77	Thompson Road East Lot		C3
79			C3
71	Vanier Lot		C6
	PARKING LOTS - RESERVED	PERM	IT
67	Albany Road Lot	PERM	B7
67 97	Albany Road Lot Chimneystack Lot	PERM	B7 C8
67 97 66	Albany Road Lot Chimneystack Lot Founders Road East Lot	PERM	B7 C8 A6
67 97 66 65	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot	PERM	B7 C8 A6 A5
67 97 66 65 88	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot	PERM	B7 C8 A6 A5 G5
67 97 66 65 88 87	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot	PERM	B7 C8 A6 A5 G5 B9
67 97 66 65 88 87 74	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot	PERM	B7 C8 A6 A5 G5 B9 C5
67 97 66 65 88 87 74 82	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4
67 97 66 65 88 87 74 82 64	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3
67 97 66 65 88 87 74 82 64 91	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot Passy Crescent Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3 G3
67 97 66 65 88 87 74 82 64 91 85	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot Passy Crescent Lot Physical Resources North Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3 G3 B8
67 97 66 65 88 87 74 82 64 91 85 68	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot Passy Crescent Lot Physical Resources Fast Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3 G3 B8
67 97 66 65 88 87 74 82 64 91 85 68 63	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot Passy Crescent Lot Physical Resources East Lot Shoreham Drive Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3 G3 B8 B9 C2
67 97 66 65 88 87 74 82 64 91 85 68 63 86	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot Passy Crescent Lot Physical Resources North Lot Physical Resources East Lot Shoreham Drive Lot The Pond Road Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3 G3 B8 B9 C2 G6
67 97 66 65 88 87 74 82 64 91 85 68 63 86 78	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot Passy Crescent Lot Physical Resources Fast Lot Shoreham Drive Lot The Pond Road Lot West Office Building Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3 G3 B8 B9 C2 G6
67 97 66 65 88 87 74 82 64 91 85 68 63 86	Albany Road Lot Chimneystack Lot Founders Road East Lot Founders Road West Lot Haynes Avenue Lot Kinsmen Lot Lumbers North Lot Nelson Road Lot Northwest Gate Lot Passy Crescent Lot Physical Resources North Lot Physical Resources East Lot Shoreham Drive Lot The Pond Road Lot	PERM	B7 C8 A6 A5 G5 B9 C5 E4 B3 G3 B8 B9 C2 G6

	VISUAL PERFORMANCE		
	ARTS FACILITIES		
92	Art Gallery of York University	ACE	E7
37	Burton Auditorium ×	BU	E6
93	Gales Gallery	ACW	E6
38	Joseph G. Green Studio Theatre	CFT	E6
92	McLean Performance Studio	ACE	E7
92	Price Family Cinema	ACE	E7
92	Sandra Faire & Ivan Fecan Theatre	ACE	E7
92	Tribute Communities Recital Hall	ACE	E7
	ATHLETICS & RECREATION F	ACILI	TIES
3	Alumni Field	STA	A2
4	Tait McKenzie Centre	TM	C3
6	York Lions Stadium	YLS	C4
_	HISTORICAL HOUSES		
			-
D	Hoover House	HOH	F2
С	Skennen'kó:wa Gamig *bab∙ 4 bГ`	SKG	F4
В	Stong Barn	SB	A9
A	Stong House	SH	A9
	NON-YORK U BUILDINGS		
96	Archives of Ontario *	AO	D7
1	Canlan Ice Sports *	ICE	B1
62	CMiC Building	CMB	B9
57	Harry Sherman Crowe Housing Co-op	HCC	C7
101	Pioneer Village TTC subway station	PVS	A3
40	Seneca @ York.	SAY	E7
40	Stephen E. Quinlan Building	SAT	E/
8	Tennis Canada - Sobeys Stadium *	TC	D2
7	Track & Field Centre *	TFC	<b>B4</b>
99	The Quad Student Housing	QSH	F6
	(managed by Forum Campus Suites)		
104	York Region Transit Terminal		A3
100	York University TTC subway station	YUS	D6

Shared use
 Temporarily Closed