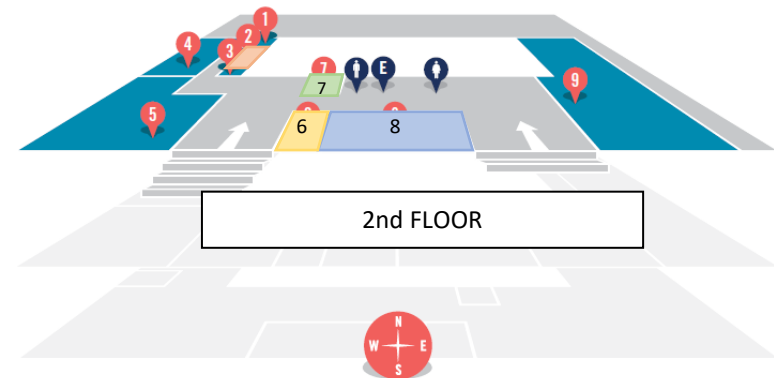
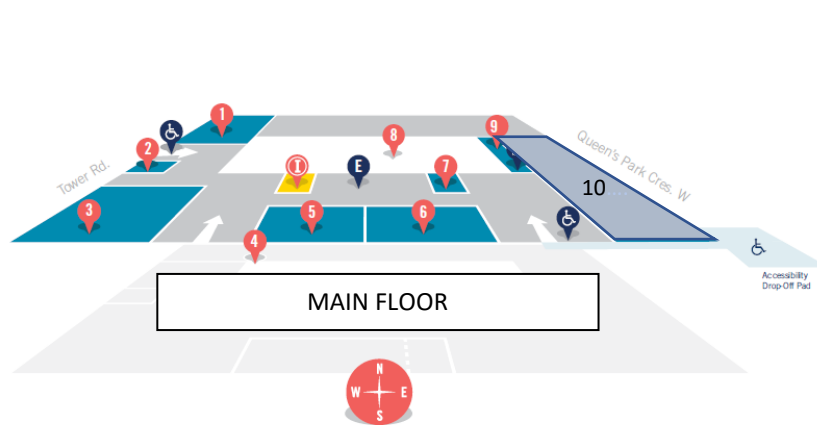


ROOMS

Great Hall (Main Floor, #10)
Debates Room (2 nd Floor, #8)
Donald Burwash (South Dining) Room (2 nd Floor, #2)
Committees' Room (2 nd Floor, #3)
Meeting Room (2 nd Floor, #7)

View papers in timeslot: 8:50 – 10:35 10:50 – 12:35 2:45 – 4:30



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|---|---|--|
| I Information HUB | 4 Theatre Entrance (box office and theatre auditorium) | 9 Lower Gallery |
| 1 Justina M. Barnicke Gallery/Art Museum | 5 Map Room | 10 Great Hall |
| 2 Meeting & Event Services Office | 6 East Common Room | E Elevator |
| 3 Reading Room | 7 Chapel | W Washroom |
| | 8 Quad | ♿ Accessible Entrances via Queen's Park Cres. (W) and Tower Rd. (E) |

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|----------------------------|----------------------------|---------------------------|
| 1 North Dining Room | 6 Committees Room | E Elevator |
| 2 South Dining Room | 7 Meeting Room | ♀ Women's Washroom |
| 3 Board Room | 8 Debates Room | ♂ Men's Washroom |
| 4 Music Room | 9 The Gallery Grill | |
| 5 Library | | |

8:50 – 10:35

Authors	Title
public health and vulnerable populations	
Nathaniel Frisbee, Jed Long, Adrian Buttazzoni, Jinhung Lee, Alexander Wray, Jason Gilliland	Potential Pathways through which School Neighbourhood Walkability Influences Active School Travel and Academic Performance
Ayshia Bailie, Paul Peters	A National Epidemic with Severe Local Implications: A Global to Local Review of Substance Use to Analyze the State of Addictions in Rural Eastern Ontario
Angelo Ilersich, Rae Jewett	The Seniority of Flooding Risk in Nova Scotia
Amanda Norton, Matthew Adams	The Spatiotemporal Relationships Between Air Pollution and Census Data: Identifying Vulnerable Groups
<i>Jingheng Yan withdrawn</i>	<i>Air Quality Changes in the Greater Toronto Area under the Impacts of COVID-19 Lockdowns</i>
transportation analysis	
Arif K. Rafiq	Geospatially Unifying Transportation for Smart Applications
Sajjad Pakdamansavoji, James Elder	Computer Vision System for Traffic Counts at Intersections
Trong Thao Tran, James H. Elder	Symmetry-based monocular 3D vehicle ground-truthing for traffic analytics
Ali Hassan, Gunho Sohn	Agent-based modelling and simulation of sidewalk delivery robots' interaction with pedestrians
Adonai García	Reporting Illegal Parking with Esri Technology
urban planning and design	
Sarah Chan, Kendra Munn	Identifying Underused Land in Toronto for Potential Redevelopment
Shannon Bassett	Recovering Shahjahanabad-the Old Walled City of Delhi-through Ecological Urbanism and Participatory Conservation GIS Crowd-Sourcing and Data Visualization
Sara Wagner, Gonzalo Martinez Santos, David Kossowsky, Matthew Roorda, Sara Diamond	Generative Design for Complete Communities
Derrick Kessie, James Voogt	Assessing the Spatio-Temporal Behaviours of Incomplete Urban Surface Temperatures

disturbances and natural disasters

Liz Sutherland, Jordan Fuller	The Northern Tornadoes Project
Aaron L. Jaffe, Connell S. Miller, Liz Sutherland, Jordan Fuller, Lesley Elliot, David M. L. Sills	Mapping Canada’s Billion-Dollar Derecho
Fahim Jessa, Connell Miller, Greg Kopp	Use of NDVI from satellite imagery to assess tornado tracks in crops
Daniel G. Butt, Connell S. Miller	Implementing Deep Learning Models into ArcGIS Pro to Automate Large-Scale Tornado Treefall Analysis
Ima Ituen	Understanding trends of disturbances and GHG emissions in forests in Northern Ontario

demographic analysis and data privacy

Matthew Palm, Jeff Allen, Steven Farber	Shifted Mobility: Who Works Nights And Evenings, How They Commute, and Why It Matters For Equity and Wellbeing
Helen Hambly, Shayla Spalding	Lessons Learned in GIS Mapping and Socio-Economic Analysis of Rural Broadband
Grant McKenzie	Designing user-centered location privacy tools
Christopher Macdonald Hewitt, Zachary Taylor	Canadian Communities Policy Observatory
Jeff Allen	Updating the Canadian Longitudinal Census Tract Database (1951-2021)

10:50 – 12:35

Authors	Title
smart cities	
Robert Nutifafa Arku, Adrian Buttazzoni, Kwadwo Agyapon-Ntra, Elmond Bandauko	Highlighting smart city mirages in public perceptions: A Twitter sentiment analysis of four African smart city projects
Steve Czajka	TELUS Smart City
Ali Hassan, Afnan Ahmad, Connie Ko, Gunho Sohn, Michael Luubert, Jon Salter, Brent Hall	An Innovative Approach to Developing Campus Digital Twin at York University
Shahram Sattar, Peyman Azari, Gopika Rajan, Songnian Li	3D Dashboard Development for Smart Campus using ArcGIS Enterprise
Afnan Ahmad, Gunho Sohn	Deep Neural Network Optimization for Indoor Localization
parks and outdoor recreation	
Jason Gilliland, Alexander Wray, Shiran Zhong	An overview of how Esri technology was used to realize a national research project (ParkSeek) on parks and wellbeing
Alexander Wray, Shiran Zhong, Jason Gilliland	Building a national geodatabase of parks and recreational facilities: A hands-on example of using Workflow Manager for ArcGIS in research
Shiran Zhong, Alexander Wray, Jason Gilliland	The development of a geographic ecological momentary assessment tool to understand quality of experiences in parks and recreational facilities
Zhe Chang	Measuring the spatial accessibility and quality of urban parks for the youth population in London Ontario
Matthew Ketchin, Jed Long	MORI: Mapping Outdoor Recreation Intensity
hydrology and flood risk	
Mark Empey, Robert Radovanovic	DEM Resolution and Resampling Method on Watershed Delineation
Alex Furukawa	From Water Levels to UAVs: GIS and Remote Sensing in Support of Peatland Hydrological Studies
Wenxuan Zhu, Emmanuel Stefanakis Carina Luo	Agent Based Models in Flood Simulation Using GIS To Develop a Climate Risk Atlas to Address Extreme Heat and Flood Risks in Essex County
Amerald Fang, Derek Thomas Robinson	Hydraulic Erosion using Game Engines

remote sensing and data acquisition

Natalia Hrynko, Jed A Long	Utilizing Artificial Intelligence to Process Camera Trap Images
Farzad Shirzaditabar, Richard J. Heck, Mike Catalano	Introducing Geonics EM38-4 for GIS, environmental and agricultural studies
Qian Li, Baoxin Hu	Enhancing individual tree species classification using fusion approaches with multisource remote sensing data
Tasneem Naheyan, James Elder	Using Linear Perspective to Extend the Range of Depth Cameras for 3D Modeling Applications

2:45 – 4:30

Authors	Title
transportation equity	
Adonai Garcia, David Tran, Kevin Gingerich	Route Choice Model Based On The Level Of Comfort For Electric Cargo Cycles
Milad Malekzadeh, Jed A. Long	How trip attributes can influence our happiness level
Ming Xiaomeng Xu, Jeff Casello	Multiday Smartphone Data for Pedestrian Behavior Analysis: A Case Study in Kitchener-Waterloo Area
Reyhane Javanmard, Jinhyung Lee, Jinwoo Park, Kyusik Kim	Leveraging 2SFCA to evaluate the impacts of new public transit services on accessibility considering supply-demand dynamics
GIStories	
Paul Heersink	Mapping the Sunken Ships of the Second World War
Angelina Abi Daoud, Olivia Maddigan, Madinakhon Sulaymonova	eastQUAKE: Visualizing Earthquakes in Eastern Canada
Authors: (TBD – winning student team members); Challenge organizers: Alexander G. Watts, Laura Rosella, Kieran Petrasek, Lori Diemert	Winning Team Presentation for the 2023 University of Toronto Geospatial Data Visualization Challenge
Henry J.M. Gage, Chantel E. Markle, Alex M. Tekatch, Sophie L. Wilkinson, James M. Waddington	Beaver as ecosystem engineers: A remote sensing approach to examine fire severity in beaver-impacted wetlands
Teaching with GIS and Geomatics	
J.D. MacLean	COGS: Geo-Technologies Used In Student Projects And Our Current Programs
Patrick DeLuca	Teaching a Modern GIS
Emmanuel Stefanakis	Geomatics Engineering Education in the Digital Reality
Andrew Clark, Russell Schnurr, Michael Fabro, Justin Adema	Teaching Model Builder & Python through a community-based Project: Case study of a 15-Minute City
Alicia Urquidi Díaz, Kara Handren	The Scholars GeoPortal Redevelopment Project