

CURRICULUM VITAE OF PROFESSOR KHANDKER NURUL HABIB

DEPARTMENT OF CIVIL & MINERAL ENGINEERING UNIVERSITY OF TORONTO

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PART 1 – RANK AND PERSONAL INFORMATION; ACADEMIC, EMPLOYMENT, AND FUNDING HISTORY

RANK AND PERSONAL INFORMATION

Rank: Professor

Status: Tenured

SGS Status: Full Member

Personal: Born in 1976 in Bangladesh. Married, and 1 child.

Citizenship: Canadian

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ACADEMIC HISTORY

- Ph.D. (June 2007)– Univ. of Toronto, Dept. of Civil Engineering; Thesis Title – *Modelling Activity Generation Processes*
- Masters of Applied Science and Engineering (June 2002), Bangladesh Univ. of Engineering & Technology, Dept. of Civil Engineering; Thesis Title – *Evaluation of Planning Options to Alleviate Traffic Congestion and Resulting Air Pollutions in Dhaka City*
- Bachelor of Civil Engineering (June 2000) – Bangladesh Univ. of Engineering & Technology, Dept. of Civil Engineering; Thesis Title – *Modelling Flat Plate Building Structures under Lateral Loads*

ADVANCED TRAINING

- Post Doctoral Fellow June 2007–April 2008, Joint Program in Transportation, University of Toronto

EMPLOYMENT HISTORY

- Percy Edward Hart Professor in Civil & Mineral Engineering. July 2019-July 2022
- Professor, Dept. of Civil Eng., Univ. of Toronto. July 2020-Present
- Associate Professor, Dept. of Civil Eng., Univ. of Toronto. July 2015-Present
- Visiting Senior Professor, Institut de l'énergie Trottier, Montreal, Canada. Sept. 2016-Jul. 2017
- Associate Professor (Status-only), Département des Génies Civil, Géologique et des Mines, Polytechnique Montréal. Sept. 2016-Sept. 2017

- Asst. Professor (Status-only), Faculty of Forestry, Univ. of Toronto. Dec 2012–Nov 2015
- Asst. Professor, Dept. of Civil Eng., Univ. of Toronto. May 2010–June 2015
- Visiting Asst. Professor, Civil Eng., Univ. of Concepcion, Chile. Mar. 2008–Aug. 2008
- Asst. Professor, Dept. of Civil and Env. Eng., Univ. of Alberta. Apr. 2008–April 2010
- Research Associate, Dept. of Civil Eng., Univ. of Toronto. June 2007–Mar. 2008
- Special Lecturer, Dept. of Civil Eng., Univ. of Toronto. Sept. 2007–Dec. 2007
- Special Lecturer, Faculty of Geography (Scar), Univ. of Toronto. Jan. 2005–Apr. 2005
- Graduate Research Assistant, Dept. of Civil Eng., Univ. of Toronto. Sept. 2003–June 2007
- Asst. Professor, Civil Eng., Bangladesh Univ. of Eng. & Tech. Jan. 2003–Aug. 2003
- Lecturer, Civil Eng., Bangladesh Univ. of Eng. & Tech. June 2000–Dec. 2002
- Res. Fellow, Accident Res. Centre, Bangladesh Univ. Eng. & Tech. Sept. 2002–Aug. 2003
- Consultant, Bureau of Res., Test. and Consult., Bangladesh Univ. of Eng. & Tech. June 2000–Aug. 2003

PROFESSIONAL PRACTICE

Date	Position	Company
2017–Present	Director/Advisor	Transportation Systematics Inc.
2016–Present	Independent Consultant (Subcontractor)	ADVANIS Inc., Ernst & Young, OPTIMUS SBR, Alberta Transportation, Stantec, Malatest
2014–2015	Independent Consultant (Subcontractor)	AECOM, Pillar Systems
2012–2013	Independent Consultant (Subcontractor)	CIMA+
2012	Independent Consultant (Subcontractor)	Clifton Associates
2011–2012	Independent Consultant (Subcontractor)	Lee-Gosselin Associates
2010–Present	Independent Consultant (Subcontractor)	IBI Consulting
2010–2011	Independent Consultant (Subcontractor)	Ernst & Young
2009–2010	Independent Consultant (Subcontractor)	ISL Engineering
2009–2010	Independent Consultant (Subcontractor)	City of Edmonton

Some Recent Consulting Projects:

- *TRANS 2020 Origin-Destination Household Travel Survey* with Malatest for the National Capital Region, Ottawa, 2020-2021
- *Yonge-Eglinton Transportation Assessment* with Stantec for the City of Toronto 2017-2018
- *Transit Demand Forecasting* for the Alberta Ministry of Transportation 2017
- *Off-Road and Motorized Snow Vehicle Survey* with CIMA+ for Ministry of Transportation Ontario, 2012–2013.
- *Congestion Management Strategies for the Province of Alberta* with Clifton Associates for Alberta Government, 2012. This project won the 2013 Alberta Minister’s Award.
- *Transport 2045 Foundational Research Professional Services: 2012 Park & Ride Survey* with IBI Group for TransLink BC, 2011–2012.

- *West Coast Express Demand Forecasting: Stated Preference Survey Design and Mode Choice Modelling* with IBI Group for TransLink BC, 2011–2012.
- *Changing Practices in Data Collection on the Movement of People* with Lee-Gosselin Associates for the Transportation Association of Canada (TAC), 2011–2012.
- *Long-term Passenger Ridership and Revenue Forecasting Models for VIA Rail* with Ernst & Young for Transport Canada, 2009–2010.
- *Regional Travel Demand Modelling Review* with ISL Engineering for the City of Edmonton, 2009.
- *Speed Limit Reduction on Residential Roads* for the Office of Traffic Safety for the City of Edmonton, 2010.

EDITORIAL/SCHOLARLY WORKS/APPOINTMENTS

- Chair of the Standing Committee, AEP30: Traveler Behavior and Values, Transportation Research Board, National Academies of Science, Engineering and Medicine, The United States of America. April 2021-April 2026
- Associate Editor of *Transportation Letters* (Taylor & Francis): April 2017-Aug 2020
- Editor of *Transportation Research Records: Journal of Transportation Research Board* (Sage): Jan 2020-Jan 2021
- Member of Editorial (Advisory) Board of
 - *Transportation* (Springer): Jan 2019-to date
 - *Transportation Letters* (Taylor & Francis): Aug 2016-to date
 - *Transportation Research Records: Journal of Transportation Research Board*: Jan 2020-to date
- Paper Review Committee Co-Chair of *ADB10: Travel Behaviour and Values Committee* of Transportation Research Board (TRB) & of *Transportation Research Records*
 - 100th Annual Meeting of TRB, 2021
 - 99th Annual Meeting of TRB, 2020
 - 98th Annual Meeting of TRB, 2019
 - 97th Annual Meeting of TRB, 2018
 - 96th Annual Meeting of TRB, 2017
 - 95th Annual Meeting of TRB, 2016
- Guest Editor
 - (with Dr. Stacy Bricka), *Transportation* (Springer) Special Edition on 95th Annual Meeting of Transportation Research Board, 2015.
 - (with Dr. Abdul Pinjari), *Transportation Research Part B: Methodology* (Elsevier) 2013 Special Edition on the Selected Articles from 13th Conference of the International Association of Travel Behaviour Research. Published in December 2013.
- Committee Research Coordinator (CRC) of the standing committee, ADB10: Travel Behavior and Value of Transportation Research Board, the National Academies of Science, Engineering and Medicine: 2016-2021

PROFESSIONAL / ACADEMIC AFFILIATIONS

- S1. Member, Zephyr Foundation, a foundation with mission is to advance rigorous transportation and land use decision-making for the public good by advocating for and supporting improved travel analysis, and facilitating its implementation: July 2022-Present
- S2. Licensed Professional Engineer, Professional Engineers Ontario (PEO) & membership number is 100123085: 2010–Present
- S3. Member of the Canadian Society of Civil Engineering (CSCE)
- S4. Member of the Transportation Research Board (TRB)
- S5. Member of Standing Committees of Transportation Research Board, National Academies of Science, Engineering and Medicine, Washington DC:
 - AEP00-Transportation Planning and Analysis: 2021–2025
 - AEP30-Traveler Behavior and Values: 2021–2025
 - ADB10-Traveler Behavior and Values: 2014–2020
 - ADB20-Telecommunication and Traveler Behaviour: 2010–2020
 - ADB40-Travel Demand Forecasting: 2019–2020
 - AEP50-Travel Demand Forecasting: 2020–2023
- S6. The University of Toronto Representative to the TRB: 2012–Present
- S7. The University of Alberta Representative to the TRB: 2008–2010
- S8. Student Chapter (University of Toronto) Faculty Advisor: Institute of Transportation Engineers (ITE): 2012–2015
- S9. Student Chapter (Univ. of Alberta) Faculty Advisor: Institute of Transportation Engineers (ITE): 2008–2010
- S10. Faculty Member of Galbraith Society of Engineering Student Mentorship Program, University of Toronto: 2012–Present
- S11. Member of the Transportation Association of Canada (TAC): 2010–Present
- S12. Member of the International Association of Travel Behaviour Research (IATBR): 2006–Present
- S13. Member of the Canadian Transportation Research Forum (CTRF): 2006–Present
- S14. Member of World Society for Transportation and Land Use Research (WSTLUR): 2013–Present
- S15. Member of Regional Science Association International (RSAI): 2004–Present
- S16. Licensed Professional Engineer, The Association of Professional Engineers and Geoscientists in Alberta (APEGA): 2009–2010

ACADEMIC ACHIEVEMENTS AND AWARDS

- 2021 Jim Davey Award for the Best Student (Ph.D. Category) Co-authored paper by the Canadian Transportation Research Forum (CTRF)
- 2020 Sandford Fleming Award from the Canadian Society of Civil Engineering.
- 2020: ‘Certificate of Appreciation for coordinating the paper review processes of the Travel Behaviour and Values Committee (ADB10)’ from Transportation Research Board, Washington DC.

- 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022 Dean’s Special Merit Pool Award, Faculty of App. Science & Eng., Univ. of Toronto
- 2019-2022: ‘Percy Edward Hart Early Career Professorship’, Awarded by the Faculty of Applied Science and Engineering, University of Toronto
- 2019 ‘Certificate of Appreciation for coordinating the paper review processes of the Travel Behaviour and Values Committee (ADB10)’ from Transportation Research Board, Washington DC.
- 2018 Certificate of Outstanding Contribution in Reviewing for the Journal of Transportation Research Part D: Transport and Environment, Elsevier
- 2018 Certificate of Appreciation for coordinating the paper review processes of the Travel Behaviour and Values Committee (ADB10)’ from Transportation Research Board, Washington DC.
- 2016 Trottier Fellow (Transport Energy), Institut de Energie Trottier, Canada
- 2016 ‘Certificate of Appreciation for coordinating the paper review processes of the Travel Behaviour and Values Committee (ADB10)’ from Transportation Research Board, Washington DC.
- 2013 Minister’s Award for Transport (Process) Innovation, Alberta Ministry of Transport.
- 2012 Educational Achievement Award, Transportation Association of Canada
- 2012 Early Researcher Award, Ontario Ministry of Economic Development and Innovation
- 2012 Outstanding Paper Award in Freight Transp., Transp. Res. Board, USA
- 2009 Pyke Johnson Award, Transp. Res. Board, USA
- 2008 Eric I. Pas Award (Honorable Mention), Intl. Assoc. of Travel Behaviour Research
- 2006 Michael von Aerde Award, Canadian Institute of Transportation Engineering
- 2006 Bombardier Ian Bowland Award, Canadian Transportation Research Forum

INVITED PRESENTATIONS / LECTURES / SPEECH

44. Invited presentation on “COVID-19 Impacts on Household Travel Demands”. Presented at the TRB Travel Survey Methods Committee– Household Survey Subcommittee 2022 Annual Meeting, Wednesday, January 26, 4:30 pm Paris Time/11 am Eastern Time
43. Invited presentation on “Use of Passively Collected Data to Model Transit Demand”, Transit Analytics Lab (TAL) Research Day, July 6, 2021. Toronto.
42. Invited expert discussion on “Effects of COVID-19 Lockdown on Daily Activity Travel Scheduling Behaviour”. 100th Annual Meeting of Transportation Research Board. January 5, 2021, Washington DC (Virtual).
41. Invited expert discussion on “Travel Modeling for New Applications: New Methods for Capturing a Change in Perspective”. 99th Annual Meeting of Transportation Research Board. January 14, 2020, Washington DC.
40. Invited expert discussion on “Sharing Economy and its Impacts”. 99th Annual Meeting of Transportation Research Board. January 14, 2020, Washington DC.
39. Invited panel Expert on “TransformTO Reference Panel” on Climate Action. Invited by the Energy and Environment Division of the City of Toronto, Aug 17: 1 pm – 3 pm at the Toronto City Hall, June 26, 2019.

38. Invited Guest Speaker on “Choice of using Bicycle and the Heteroskedastic Polized Logit Model for Modelling Mode choices including Minor Modes” for the “Super Awesome Science Show” podcast of Global News. Aug 19, 2019
37. Invited presentation on “Measuring Impacts on Demands for Transportation” for the Workshop on “Transformative Transportation” Invited by UTTRI Steering Committee. Toronto, June 26, 2019.
36. Invited presentation on “The Futures of Travel Survey Research” Invited by Transportation Information Steering Committee of the Ministry of Transportation Ontario. Toronto, Dec 04 2018.
35. Invited presentation on “The Future of Household Travel Surveys for Passenger Travel Demand Data: Lessons from the TTS2.0 Project” Invited by Ministry of Transportation Ontario. Toronto, Nov 14 2018.
34. Invited presentation on “Continuous Research and Development on Passenger Travel Data Collection: the TTS2.0” Invited by Ministry of Transportation Ontario. Toronto, May 14 2018.
33. Invited lectures on (4 presentations) “Public Transit Planning and Modelling” Invited by Alberta Ministry of Transportation. Edmonton, March 27 and 28, 2017. Topics:
 - a. Transit ridership forecasting models
 - b. The four-stage depiction of the multimodal transportation system
 - c. User’s perspective of transportation system performance
 - d. Travel surveys for evidence-based investigation
32. Invited lectures (4 presentations) on “Econometrics for Evidence-Based Transportation Demand Analysis” Invited by Département des génies civil, géologique et des mines Polytechnique Montréal. Montreal, March 14, 2017. Topics:
 - a. Evidence-based analysis, econometric model, and parameter estimation
 - b. Aggregate demand forecasting models
 - c. Disaggregate demand forecasting models
 - d. Advanced choice models and Stated Preference surveys
31. Invited presentation on “TTS2.0 Survey Methods R &D Program for the GGH” Invited by Agence Métropolitaine de Transport (AMT) Montreal, Montreal, February 1, 2017
30. Invited presentation on “Continuous Household Travel Surveys as an Alternative to Crosssectional Household Travel Surveys” Invited by Agence Métropolitaine de Transport (AMT), Montreal, February 1, 2017
29. Invited presentation on “Modelling Demands for Transportation Energy: Application and Scope in Transportation Planning”. Invited by Au nom du Pôle-E3 de HEC Montréal. Montreal, January 31, 2017
28. Invited presentation on “Capturing, Measuring and Response to Changes that Influence the Demand for Transportation and Travel behaviour”. Invited by Institut de Energie Trottier, Montreal. Montreal, December 1, 2016
27. Invited presentation on “A Comprehensive Utility Maximizing System of Travel Option Modelling: Modelling Passenger Travel Demand the Way It Should Be”. Invited by Département des génies civil, géologique et des mines Polytechnique Montréal. Montreal, November 29, 2016
26. Invited presentation on “An Econometric Investigation of the Influence of Transit Passes on Transit Users’ behaviour in Toronto” Invited by CIRRELT of University de Montreal. Montreal, November 3, 2016

25. Invited presentation on “TTS2.0 R&D Project: Developing Comprehensive Data Program for Passenger Travel Demand”. Invited by the Transportation Information Steering Committee (TISC) at the Kick-off Meeting of Transportation Tomorrow Survey 2016, Ministry of Transportation Ontario, Toronto, May 11, 2015.
24. Invited presentation on “Sample Size Determination for the Household Travel Surveys: The Case of TTS in GTHA”. Invited by the Transportation Information Steering Committee (TISC), Ministry of Transportation Ontario, Toronto, September 21, 2015.
23. Invited presentation on “Development of Travel Demand Management Evaluation Tool”. The annual meeting of the Travel Demand Management Coordination Committee (TDMCC) of Ontario. Metrolinx Office in Toronto. Toronto, September 08, 2015
22. Invited presentation on “Practices of Sample Sizes of Household Travel Surveys: Review of Current Practices”. Organized by the Transportation Information Steering Committee (TISC), Ministry of Transportation Ontario, Toronto, June 22, 2015.
21. Invited lecture on “Pilot Testing for Improved Household Travel Surveys”. Organized by the Data Management Group (DMG, who maintain the Transportation Tomorrow Survey), University of Toronto, Toronto,, June 19, 2015.
20. Invited lecture on “Sample Surveys for Household Travel Surveys”. Organized by the Transportation Information Steering Committee (TISC), Ministry of Transportation Ontario, Toronto, May 4, 2015.
19. Invited lecture on “Survey methods 101: Overview of key survey methodological issues that must be addressed in any data collection effort” for a workshop on “Travel survey methods issues and options for the Greater Golden Horseshoe”. Organized by the Data Management Group ((DMG) who maintain the Transportation Tomorrow Survey), University of Toronto, Toronto, October 3, 2014.
18. Invited lecture on “Travel demands of older people: Facts and reality buried under aggregate picture” for Transportation 2014 Lecture Series of Transportation Association of Canada, Toronto, June 18, 2014.
17. Opening Key Note Address on “Advanced in modelling methods and costs of status quo”. 1st Research Day of UTTRI, Toronto, Canada. Toronto, November 25, 2013.
16. Invited for discussion on “Academic research on carsharing” in the scientific committee meeting of Shared Vehicle Mobility and Public Transit: Partner for the 21st Century Conference of Carsharing Association, Toronto, September 16, 2013.
15. Invited Webinar: “Application of choice models for informed transportation planning and decision making” for National Course on Transportation, Sponsored by CITE, March 14, 2013.
14. Invited presentation “Capturing heterogeneity in choice models: Absolute versus relative heterogeneity” for Journées de l’Optimisation: 2012 Optimization Days. HEC, Montreal, Canada, May 7–9, 2012.
13. Invited presentation “Overview of the recent advances in choice modelling”. Paper presented at the workshop on recent advances in choice modelling. Presented at the 91st Annual Meeting of Trans. Res. Board, Washington DC, January 22–26, 2012.
12. Invited webinar “Application of choice models for informed transportation planning and decision making” for National Course on Transportation sponsored by CITE (The group of lecturers conducting this course is awarded the TAC Educational Achievement Award 2012), February 2, 2012.

11. Roundtable discussion participant “Hubs and spiderwebs: Integrated transit for Canadian cities”. Hosted by ReNew Canada, Thales, and Arup at Toronto Board of Trade, Toronto, Canada, September 12, 2011.
10. Panelist “Light rail and bus rapid transit: Do they drive local economic development?”. Translog Conference, Hamilton, Canada, June 15, 2011.
9. Invited speaker “TDM evaluation: Evidence-based approach”. GTHA TDM Coordinating Committee Meeting, Toronto, March 23, 2011.
8. Guest speaker “Transit-oriented development: Challenges and opportunities in Ontario places to grow plan”. Urban Studies Program, Innis College, University of Toronto, Toronto, Canada, March 22, 2011.
7. Guest speaker “Modelling spatial location choice”. Graduate course on Transportation and Development (CIV 1535), University of Toronto, Toronto, Canada, March 3, 2011.
6. Invited speaker “Advances in econometric choice modelling: Application in activity-based travel demand modelling”. Department of Civil Engineering, the State University of New York at Buffalo, Buffalo, USA, November 12, 2010.
5. Invited speaker “Application of econometrics in time use modelling”. Department of Civil Engineering, University de Chile, Santiago, Chile, August 15, 2008.
4. Invited speaker “Modelling trip timing and mode choice”. Department of Civil Engineering, University de Concepcion, Concepcion, Chile, August 18, 2008.
3. Invited speaker “Why do some people still use transit”. CSCE-ITE-University of Alberta joint Workshop on Sustainable Transportation, Edmonton, Canada, March 15, 2009.
2. Invited speaker “Transportation engineering and planning: Critical research frontiers”. ITE North Alberta Section Annual Luncheon, Edmonton, Canada, October 15, 2008.
1. Invited speaker “Hazardous road location program: Identification and countermeasures”. The second workshop of Accident Research Centre (ARC), Bangladesh University of Engineering and Technology, Dhaka, Bangladesh, December 23, 2003.

GRANTS, CONTRACTS, AND OTHER FUNDING CURRENTLY HELD AND COMPLETED

	Number- Currently Held	Number- Completed	Total Cash Value: Currently Held	Total Cash Value for my Research Group: Currently Held	Total Cash Value: Completed	Total Cash Value for my Research Group: Completed
Research Grants	14	30	\$9,679,552	\$1,076,765	\$1,516,760	\$1,935,682
Research Contracts	4	16	\$1,340,000	\$410,000	\$3,103,549	\$1,193,832
Total	18	46	\$11,019,552	\$1,486,765	\$4,620,309	\$3,129,514

PART 2 – RESEARCH PRODUCTS

Peer-reviewed journal papers: Published/In-Press	166
Peer-reviewed journal papers: Under review/Preparation	11
Book chapters	5
Peer-reviewed (full paper) conference presentations	157
Peer-reviewed (abstract only) conference presentations	88
Technical report	64

REFEREED JOURNAL ARTICLES (Underlined names indicate student co-authors)

Journal Papers Published or in Press:

166. Loa, P., Habib, K.M.N. 2023. Identifying the Determinants of Anticipated Post-pandemic Mode Choices in the Greater Toronto Area: A Stated Preference Study. *Transportation Research Records* (In-Press)
165. Loa, P., Ong, F., Habib, K.M.N. 2023. How has Anticipated Post-pandemic Ride-sourcing Use Changed During the COVID-19 Pandemic? Evidence from a Two-cycle Survey of the Greater Toronto Area. *Transportation Research Records* (In-Press)
164. Wang, K., Liu, Y., Gao, Y., Habib, K.M.N. 2023. “Exploring the Choice between In-Store versus On-line Grocery Shopping through an Application of Semi-Compensatory Independent Availability Logit (SCIAL) Model with Latent Variable”. *Journal of Retailing and Consumer Services* 71: 103191
163. Liu, Y., Miller, E.J., Habib, K.M.N. 2022. “Inferring Trip Destination Purposes for Trip Records Collected through Smartphone Apps: A Case Study in Toronto”. *ASCE Journal of Transportation Engineering Part A: Systems* (In-Press)
162. Hossain, S., Loa, P., Ong, F., Habib, K.M.N. 2022. “The Determinants of Commute Mode Usage Frequency of Post-Secondary Students in the Greater Toronto and Hamilton Area”. *Transportation Research Part A* 166:164-185
161. Wang, K., Hossain, S., Habib, K.M.N. 2022. “What Happens when Post-Secondary Programs Go Virtual for COVID-19: Effects of Forced Telecommuting on Travel Demands of Post-Secondary Students during the Pandemic”. *Transportation Research Part A* 166: 62-85
160. Hossain, S., Habib, K.M.N. 2022. “Inferring Origin and Destination Zones of Transit Trips through Fusion of Smart Card Transactions, Travel Surveys, and Land-Use Data”. *Transportation Research Part A* 165: 267-284
159. Mashrur, S.K., Wang, K., Habib, K.M.N. 2022. “Will COVID-19 be the End for the Public Transit? Investigating the Impacts of Public Health Crisis on Transit Mode Choice” *Transportation Research Part A* 164: 352-378
158. Dianat, A., Hawkins, J., Habib, K.M.N. 2022. “Assessing the Impacts of COVID-19 on Activity-Travel Scheduling: A Survey in the Greater Toronto Area”. *Transportation Research Part A* 162:296-314
157. Mashrur, S.K., Lavoie, B., Wang, K., Habib, K.M.N. 2022. A Joint Model of Transit Usage Frequency and in-Vehicle Safety Perception During the COVID-19 Pandemic. *Transportation Research Record* (In-Press)

156. Bakioglu, G., Salehin, M.F., Wang, K., Atahan, A.O., Habib, K.M.N. 2022. Examination of the Role of Safety Concerns from Autonomous Vehicle Ownership Choice: Results of a Stated Choice Experiment in Istanbul, Turkey. *Transportation Letters* (In-Press, Page: 1-12, <https://doi.org/10.1080/19427867.2021.2007679>)
155. Hawkins, J., Ahmed, U., Roorda, M.J., Habib, K.M.N. 2022. “Measuring the Process of Urban Gentrification in Toronto” *Cities* 126 (2022)103708
154. Chung, B., Hasnine, S., Habib, K.M.N. 2022. “How Far to Live and With Whom? The Role of Modal Accessibility on Toronto Students’ Choices of Living Arrangements and the Distance they are Willing to Live from University” *Transportmetrica Part A* (In-Press, Page:1-23, <https://doi.org/10.1080/23249935.2022.2055197>)
153. Hawkins, J., Habib, K.M.N. 2022. “A Multi-Source Data Fusion Framework for Joint Population, Expenditure and Time Use Synthesis”. *Transportation* (In-Press, Page: 1-25, <https://doi.org/10.1007/s11116-022-10279-8>)
152. Shakib, S., Hawkins, J., Habib, K.M.N. 2022. “Investigating the Effects of COVID-19 Pandemic on the Perception of Residential Accessibility in Greater Toronto and Hamilton Area”. *Transportation Research Record* (In-Press, Page: 1-17, <https://doi.org/10.1177/03611981221086640>)
151. Loa, P., Hossain, S., Liu, Y., Habib, K.M.N. 2022. “How has the COVID-19 Pandemic Affected the Use of Ride-Sourcing Services? An Empirical Evidence-Based Investigation for the Greater Toronto Area”. *Transportation Research Part A* 155:46-62
150. Mashrur, S., Wang, K., Loa, P., Hossain, S., Habib, K.M.N. 2022. “Application of Protection Motivation Theory to quantify the impact of pandemic fear on anticipated post-pandemic transit usage” *Transportation Research Record* (In-Press, Page: 1-20, <https://doi.org/10.1177/03611981211065439>) (one of the **most-read articles of TRR** in 2022)
149. Hawkins, J., Habib, K.M.N. 2022. “Bayesian Estimation of Discrete Choice Models: A Comparative Analysis using Effective Sample Size”. *Transportation Letters* 14(10): 1091-1099
148. Diab, E., Srikuenthiran, S., Miller, E.J., Habib, K.M.N. 2022. “Effects of System Configurations of Automated Fare Collection on Transit Trip Origin-Destination Estimation in Greater Toronto and Hamilton Area”. *Public Transport* (In-Press, Page: 1-24, <https://doi.org/10.1007/s12469-021-00283-z>)
147. Hawkins, J., Habib, K.M.N. 2022. “The Evolution of Choice Set Formation in Dwelling Type and Location with Rising Prices: Decadal Panel Analysis in the Greater Toronto Area”. *Journal of Transportation and Land Use* 14(1):1227-1247
146. Loa, P., Mashrur, S.K., Habib, K.M.N. 2022. “What Would have been the Substitute Travel Modes of Ride-Sourcing if there were no Ride-Sourcing Service? Use of Structural Equation Model to Unravel Ride-Sourcing Competitors”. *Journal of Sustainable Transportation* (In-Press, Page: 1-14, <https://doi.org/10.1080/15568318.2021.1978018>)
145. Rashedi, Z., Hasnine, S., Habib, K.M.N. 2022. Modelling Second-Best Choices from the Choice Based Sample: Revelation of Potential Mode Switching Behaviour from Transit Passenger Surveys Public Transport. *Public Transport* (In-Press, Page: 1-25, <https://doi.org/10.1007/s12469-021-00275-z>)
144. Wang, K., Hossain, S., Habib, K.M.N. 2022. “A Hybrid Data Fusion Methodology for Household Travel Surveys to Reduce Proxy Biases and Under-Representation of Specific Sub-group of Population”. *Transportation* 49:1801-1836

143. **Habib, K.M.N.** 2022. “Investigating the endogenous social interaction effects on the choice of owning a bicycle by the university students in Toronto”. *Transportmetrica Part A* 18(3): 1794-1812
142. Liu, Y., Miller, E.J., Habib, K.M.N. 2022. “Detecting Transportation Modes Using Smart Phone Data and GIS: A Case Study in the Greater Golden Horseshoe Area”. *Transportation Letters* (In-Press, Page 1-11; <https://doi.org/10.1080/19427867.2021.1958591>)
141. Wang, K., Liu, Y., Mashrur, S.K., Loa, P., Habib, K.M.N. 2021. “COVID-19 Influenced Households’ Interrupted Travel Schedules (COVHITS) Survey: Lessons from the Fall 2020 Survey”. *Transportation Policy* 112:43-62
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Refereed Journal Submissions under Review:

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BOOK CHAPTERS

5. Moa, H., Habib, K.M.N. (2022) Integrated Land Use and Transport Models. In Potoglou, D. (eds.) *Handbook of Travel Behavior* (under review)
4. Habib, Khandker M. Nurul. (2021) Departure Time Choice Modeling. In: Vickerman, Roger (eds.) *International Encyclopedia of Transportation*. vol. 4, pp. 504-508. UK: Elsevier Ltd.
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CONFERENCE PAPERS (Underlined names indicate student co-authors)

Papers in Refereed Conference Presentations – CD or Proceedings (Full paper is peer reviewed)

157. Wang, K., Mashrur, S.K., Habib, K.M.N. "Developing a Flexible Activity Scheduling Model to Investigate Post-Pandemic 'Work Arrangement Choice' Induced Daily Activity-Travel Demands", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
156. Loa, P., Ong, F., Habib, K.M.N. "How has Anticipated Post-pandemic Ride-sourcing Use Changed During the COVID-19 Pandemic? Evidence from a Two-cycle Survey of the Greater Toronto Area", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
155. Mashrur, S.K., Wang, K., Habib, K.M.N. "Application of a Hybrid Choice Model to Assess the Influence of COVID-19 Risk Perceptions on Transit Route Choice in the Greater Toronto Area", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
154. Loa, P., Habib, K.M.N. "The Determinants of Anticipated Post-pandemic Mode Choices in the Greater Toronto Area: A Stated Preference Study", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
153. Shakib, S., Habib, K.M.N. "The Application of Rational Inattention Theory in Modelling Residential Location Choices: A Cross-Sectional Investigation Using a Stated Preference Dataset", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
152. Hossain, S., Habib, K.M.N. "Fusing Repeated Cross-sectional Revealed Preference Dataset based on Rational Inattention (RI) Theory: Accounting for Changing Modal Preferences", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
151. Ong, F., Loa, P., Habib, K.M.N. "Assessing Metro Vancouver as an Emerging Market for Ride Sourcing Services: Insights into Trip Characteristics and Impacts on Multimodal Competitions", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
150. Ong, F., Loa, P., Habib, K.M.N. "A Behavioural Analysis of Post-pandemic Modality Profiles for Non-commuting Trips in the Greater Toronto Area", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
149. **Habib, K.M.N.** "Rational Inattention in Discrete Choice Models: Estimable Specifications with Empirical Applications of RI-Multinomial Logit (RI-MNL) and RI-Nested Logit (RI-NL) Models", Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.

148. Mashrur, S.K., Wang, K., Lavoie, B., Habib, K.M.N. “What can Bring Transit Ridership Back: An Econometric study on the Potential of Usage Incentives and Operational Policies in the Greater Toronto Area”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
147. Liu, Y., Loa, P., Wang, K., Habib, K.M.N. “A Multi-task Learning Deep Neural Networks Model for Stated Reference Analysis: Exploratory Analysis on Changes in Ride-sourcing Choices During the COVID-19 in Toronto”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
146. Shakib, S., Habib, K.M.N. “An Empirical Specification of Rational Inattention Multinomial Logit (RI-MNL) Model for Panel Datasets”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
145. Hossain, S., Loa, P., Mashrur, S.K., Wang, K., Dianat, A., Habib, K.M.N. “A Comprehensive Data Fusion to Evaluate the Impacts of COVID-19 on Passenger Travel Demands: Application of a Core-Satellite Data Collection Paradigm”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
144. Wang, K., Gao, Y., Liu, N., Habib, K.M.N. “Exploring the Choice between In-store Versus Online Grocery Shopping through an Application of Semi-Compensatory Independent Availability Logit (SCIAL) model with Latent Variables”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
143. Loa, P., Ong, F., Habib, K.M.N. “Identifying Profiles of Ride-sourcing Users in the Metro Vancouver Region for a Better Understanding of Ride-sourcing Behaviour”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
142. Dianat, A., Wang, K., Habib, K.M.N. “Internet and Communication Technology (ICT) Expansion and Continuation During the COVID-19 Pandemic: Evidence from The Greater Toronto Area”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
141. Wang, K., Liu, Y., Hossain, S., Habib, K.M.N. “Who drops off web-based travel surveys? Investigating the implications of respondents dropping out of travel diaries during online travel surveys”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
140. Ye, X., Guan, X., Wang, K., Habib, K.M.N. “An Improved Random Walk Method Verified in a Large-Scale Urban Network for the Sampling of Alternatives in Route Choice Modeling”, Will be presented at the Transportation Research Board 2023 Annual Meeting, January 8-12, Washington DC, USA.
139. Hossain, S., Habib, K.M.N. “Inferring Origin and Destination Zones of Transit Trips through Fusion of Smart Card Transactions, Travel Surveys, and Land-Use Data”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
138. Hossain, S., Loa, P., Ong, F., Habib, K.M.N. “The Determinants of Commute Mode Usage Frequency of Post-Secondary Students in the Greater Toronto and Hamilton Area”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
137. Hawkins, J., Habib, K.M.N. “A Framework for Transportation and Land-Use Integration as a Parallel Constrained Multiple Discrete Continuous Extreme Value (PC-MDCEV) Home

- Production Model”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
136. Shakib, S., Habib, K.M.N. “A Hybrid Efficient-Adaptive Choice Experiment Design for Investigating Post COVID-19 Pandemic Residential Mobility and Location Choice in Greater Toronto Area.”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 135. Liu, Y., Wang, K., Loa, P., Habib, K.M.N. “Modelling the Frequency of Home Deliveries: An Induced Travel Demand Contribution of Aggrandized E-shopping in Toronto during COVID-19 Pandemics”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 134. Mashrur, S.K., Wang, K., Loa, P., Hossain, S., Habib, K.M.N. “Application of Protection Motivation Theory to Quantify the Impact of Pandemic Fear on Anticipated Post-pandemic Transit Usage”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 133. Hossain, S., Loa, P., Ong, F., Habib, K.M.N. “Exploring the Spatiotemporal Factors affecting Bicycle-Sharing Demand during the COVID-19 Pandemic”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 132. Mashrur, S.K., Wang, K., Loa, P., Hossain, S., Habib, K.M.N. “Application of Protection Motivation Theory to Quantify the Impact of Pandemic Fear on Anticipated Post-pandemic Transit Usage” Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 131. Shakib, S., Hawkins, J., Habib, K.M.N. “To What Extent the COVID-19 Lockdowns May Influence Residential Relocation Decisions? An Empirical Investigation using a Mixed Cross-Nested Logit Model in the Greater Toronto Area”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 130. Shakib, S., Hawkins, J., Habib, K.M.N. “Have Pandemic Lockdowns Changed Households’ Perceived Accessibility of Their Residence? Evidence from Residential Property Value Alteration in Greater Toronto Hamilton Area”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 129. Liu, Y., Miller, E.J., Habib, K.M.N. “Inferring Trip Destination Purposes for Trip Records Collected through Smartphone Apps: A Case Study in Toronto”. Presented at the 101st Annual Meeting of Trans. Res. Board, January 9–13, 2022. Washington DC
 128. Mashrur, S.K., Wang, K., Habib, K.M.N. “Will COVID-19 be the End for the Public Transit? Investigating the Impacts of Public Health Crisis on Transit Users’ Modal Choice Preferences” Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC
 127. Dianat, A., Hawkins, J., Habib, K.M.N. “Assessing the Impacts of COVID-19 on Activity-Travel Scheduling: A Survey in the Greater Toronto Area”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 126. Habib, K.M.N., Hawkins, J., Shakib, S., Loa, P., Mashrur, S.K., Dianat, A., Wang, K., Hossain, S., Liu, Y., 2021. Assessing the Impacts of COVID-19 on Urban Passenger Travel Demand in the Greater Toronto Area: Description of A Multi-Pronged and Multi-Staged Study with Initial Results. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 125. Loa, P., Mashrur, S.K., Habib, K.M.N. “What Would have been the Substitute Travel Modes of Ride-Sourcing if there were no Ride-Sourcing Service? Use of Structural

- Equation Model to Unravel Ride-Sourcing Competitors”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
124. Hawkins, J., Habib, K.M.N. “Bayesian Estimation of Discrete Choice Models: A Comparative Analysis using Effective Sample Size”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 123. Hawkins, J., Habib, K.M.N. “The Causal Influence of Built Form on Patterns of Household Consumptions: Evidence from Household Expenditure Survey”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 122. Wang, K., Hossain, S., Habib, K.M.N. “What Happens when Post-Secondary Programs go Virtual for COVID-19? Effects of Forced Telecommuting on Travel Demands of Post-Secondary Students”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 121. Hawkins, J., Habib, K.M.N. “A Multi-Source Data Fusion Framework for Joint Population, Expenditure and Time Use Synthesis”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 120. Bakioglu, G., Salehin, M.F., Wang, K., Habib, K.M.N. “Investigating the Role of Safety Concern on Automatic Vehicle Ownership Choices: A Stated Choice Experiment in Istanbul, Turkey”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 119. Hawkins, J., Habib, K.M.N. “A Latent Auction Model of Firm Establishment Location Choice for the Greater Toronto Area”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 118. Liu, Y., Miller, E.J., Habib, K.M.N. “Detecting Transportation Modes Using Smart Phone Data and GIS: A Case Study in the Greater Golden Horseshoe Area”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 117. Hawkins, J., Habib, K.M.N. “The Evolution of Choice Set Formation in Dwelling Type and Location with Rising Prices: Decadal Panel Analysis in the Greater Toronto Area”. Presented at the 100th Annual Meeting of Trans. Res. Board, January 9–13, 2021. Washington DC.
 116. Cheung, B., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “An Inductive Experimental Approach to Developing Web-based Travel Survey Builder: Developing a Guideline to Design an Efficient Web-Survey Platform”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 115. Harding, C., Imani, A., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “Are We There Yet? Assessing Smart-Phone Apps Full-Fledged Tool for Activity-Travel Surveys”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 114. Hawkins, J., Habib, K.M.N. “Travel Distance and Land Use: Application of a Generalized Box-Cox Model with Conditional Spatial Lag Dependence”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 113. Hasnine, S., Hawkins, J., Habib, K.M.N. “Effects of Built Environment and Weather on Demands for Transportation Network Companies: An Analysis of Historical Uber Data in Toronto”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 112. Hossain, S., Habib, K.M.N. “Inferring the Purposes of Using Ride-Hailing Services through Data Fusion of Trip Trajectories, Secondary Travel Surveys, and Land-Use Data”.

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111. Kasrarian, D., Adhikari, S., Kossowsky, D., Luubert, M., Hall, B., Hawkins, J., Habib, K.M.N., Bowes, J., Diamond, S., Hess, P., Wolfe, M., Fervolden, J., Roorda, M.J. “Evaluating Walkable Streets with a 3D Stated Preference Survey”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 110. Loa, P., Hossain, S., Habib, K.M.N. “On the Role of Land-Use and Transit Network Attributes Influencing the Relationship between Public Transit and Ride-Hailing Service Usages in Toronto”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 109. Azizisoldouz, S., Hasnine, S., Sukai, M., Habib, K.M.N. “Looking through the Perceptions of Blinds: The Potential Impacts of Connected Autonomous Vehicles (CAVs) on Pedestrians with Visual Impairment”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 108. Azizisoldouz, S., Hasnine, S., Sukai, M., Habib, K.M.N. “Will Connected Autonomous Vehicles be able to Communicate with Visually Impaired Pedestrians? Findings and Policy Lessons from a Stated-adaptive Survey”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 107. Li, W., Shalaby, A. Habib, K.M.N. “Exploring the Ridership Impacts of Ride-hailing on Multimodal Public Transit in Toronto”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 106. Hawkins, J., Habib, K.M.N. “The Symbiosis between Subway Disruption and a Surge in Ride-Hailing Trips in Toronto: Finding the Subway Disruption Regimes of Switching Subway to Uber”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 105. Zhang, H., Hawkins, J., Habib, K.M.N. “A Joint Model of Residential and Work Location Choices by using the Gibbs Sampling Approach with an Empirical Application for Single person Households in Ottawa”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 104. Harding, C., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “Lessons from a Large-Scale Experiment on the Use of Smartphone Apps to Collect Travel Diary Data: The “City Logger” for the Greater Golden Horseshoe (GGH) Area”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 103. Loa, P., Habib, K.M.N. “How does Toronto Transit Treat the Post-Secondary Students for Discretionary Trips in the City? A Choice Model-based Analysis of Accessibility by Transit in Toronto”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020. Washington DC.
 102. Hawkins, J., Habib, K.M.N. “Heterogeneity in Marginal Cost of Urban Mobility: Evidence from a Large-Scale Household Travel Survey in Greater Toronto and Hamilton Area”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020, Washington DC.
 101. Hasnine, S., Habib, K.M.N. “Transportation Demand Management (TDM) and Social Justice: A Case Study of Differential Impacts of TDM Strategies on Various Income Groups”. Presented at the 99th Annual Meeting of Trans. Res. Board, January 12–16, 2020, Washington DC.

100. Hawkins J., Habib, K.M.N. “A Latent Auction Model of Firm Establishment Location Choice in the Greater Toronto Area”. Presented at the 66th Annual North American Meetings of the Regional Science Association International NARSC – RSAI November 13-16, 2019, Pittsburgh, Pennsylvania.
99. Hawkins J., Ahmed, U., Roorda, M., Habib, K.M.N. “Measuring the Process of Urban Gentrification: A Composite Measurement of the Gentrification Process in Toronto”. Presented at the 66th Annual North American Meetings of the Regional Science Association International NARSC – RSAI November 13-16, 2019, Pittsburgh, Pennsylvania.
98. Hasnine, S., Aboudina, A., Abdulhai, B., Habib, K.M.N. “Mode Shift Impacts of Optimal Time-Dependent Congestion Pricing in Large Network: A Simulation-based Case Study in Greater Toronto Area”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
97. Diab, E., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “Effects of System Configurations of Automated Fare Collection on Transit Trip Origin-Destination Estimation in Greater Toronto and Hamilton Area”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
96. Lo, A., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “Impacts of Multiple Sample Frames on Data Quality of Household Travel Surveys: The Case of the 2016 Transportation Tomorrow Survey”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
95. Lin, T., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “Examining the Viability of an Inverted-Sampling Method of Conducting Household-based Travel Surveys via Respondent’s Employers”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
94. Weiss, A., Habib, K.M.N. “Comparing Methods for Capturing Spatial Correlation between Alternatives: An Application to High school Location Choices”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
93. Kamel, I., Hasnine, S., Shalaby, A., Habib, K.M.N., Abdulhai, B. “Evaluating Time-based Transit Fares: Integrated Model of Departure Time and Travel Mode Choice within a Dynamic Multimodal Assignment Framework”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
92. Habib, K.M.N. “Mode Choice Modelling for Hailable Trips: An Investigation of the Competition of Uber with Other Modes by Using an Integrated Non-Compensatory Model with Probabilistic Choice Set Formation”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
91. Hossain, S., Hasnine, S., Habib, K.M.N. “A Behavioural Latent Class Model of Joint Mode and Departure Time Choice: Investigating Commuter Mode and Departure Time Choice Behaviour in the Greater Toronto and Hamilton Area”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
89. Diab, E., Akbari, S., Shalaby, A., Habib, K.M.N. “Mode Choice in Commuter Rail Catchment Area: Recent Trends and Role of Policy Interventions in the Greater Toronto Area”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.

88. Hasnine, S., Habib, K.M.N. “A Dynamic Discrete Choice Model for Tour-based Mode Choices”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
87. Hasnine, S., Habib, K.M.N., “Modelling the Dynamics between Tour-based Mode Choice and Tour-Timing Choices in Daily Activity Scheduling ” Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
86. Rashedi, Z., Habib, K.M.N. “A Semi-Compensatory Choice Model with Probabilistic Choice Set: Combining Implicit Choice Set within Probabilistic Choice Set Formation”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
85. Weiss, A., Salehin, M.F., Habib, K.M.N. “A Joint RP-SP Survey to Understand the Impacts of Autonomous Vehicle on Travel Mode Choice in the Greater Toronto Area”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
84. Hawkins, J., Weiss, A., Habib, K.M.N. “Household-level Dynamics in Residential Choice Modelling with a Latent Auction Method”. Presented at the 98th Annual Meeting of Trans. Res. Board, January 13–17, 2019, Washington DC.
83. Akbari, S., Habib, K.M.N. “Role of Spatial Configuration in Commuting Trade-offs of Two Worker Households: A Case Study in the Greater Toronto Area”. Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
82. Hawkins, J., Habib, K.M.N. “A Spatial-Temporal Hedonic Price Model to Investigate the Dynamics of Housing Price in Contexts of Urban Form and Transportation Services in Toronto” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
81. Hasnine, S., Habib, K.M.N., “What About the Dynamics in Daily Travel Mode Choices? A Dynamic Discrete Choice Approach for Tour-Based Mode Choice Modelling” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
80. Weiss, A., Habib, K.M.N. “A Generalized Parallel Constrained Choice Model for Intra-Household Escort Decision of High School Students” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC..
79. Chung, B., Hasnine, S., Habib, K.M.N. “How Far to Live and With Whom? The Role of Modal Accessibility on Toronto Students’ Choices of Living Arrangements and the Distance they are Willing to Live from University” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
78. **Habib, K.M.N.** “A Heteroskedastic Polarized Logit (HPL) Model to Investigate the Competition of Bicycle for the Bikeable Trips with the Other Modes” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
77. Akbari, S., Diab, E., Shalaby, A., Habib, K.M.N. “A Study on the Mode Choice of Commuters Living Near Commuter Train Stations in the Greater Toronto and Hamilton Area” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 201, Washington DC.
76. Hasnine, S., Graovac, A., Camargo, F., Habib, K.M.N. “A Random Utility Maximization (RUM) based Measure of Accessibility to Transit: Accurate Capturing of First-Mile Issue in Urban Transit” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
75. **Habib, K.M.N.** “The Importance of Peers in Student Cycling Choice: A Discrete Choice Model with Endogenous Social Interactions for the Choice of Owning a Bike by a

- University Student in Toronto” Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
74. Dianat, L., Habib, K.M.N., Miller, E.J., “Modeling and Forecasting Daily Non-Work/School Activity Patterns in an Activity-Based Model Using Skeleton Schedule Constraints”. Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018, Washington DC.
 73. Dianat, L., Habib, K.M.N., Miller, E.J., “Investigating the Influence of Assigning a higher Priority to Scheduling Work and School Activities in the Activity-Based Models on the Simulated Travel/Activity Patterns”. Presented at the 97th Annual Meeting of Trans. Res. Board, January 8–12, 2018.
 72. Hasnine, S., Weiss, A., Habib, K.M.N., “Is It the Person or Urban Context? The Role of Urban Travel Context in Defining Mode Choices for School Trips of Post-Secondary Students in Toronto”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 71. Hasnine, S., Weiss, A., Habib, K.M.N., “An SP Pivoted on RP Survey for Employer-Based Travel Demand Management Policies in the Region of Peel, Ontario”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 70. Dianat, L., Habib, K.M.N., Miller, E.J., “Modelling Non-Work School Activity Patterns in a Week-Long Activity-Based Modelling Using Skeleton Schedule Constraints”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 69. Dianat, L., Habib, K.M.N., Miller, E.J., “Week-long Scheduling of Work Activity Episodes: A Two-Level Dynamic Framework”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 68. Hui, V., Habib, K.M.N., “Homelessness vis-à-vis Transportation Induced Social Exclusions: An Econometric Investigation of Travel Behaviour of Homeless Individuals in Toronto”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 67. Habib, K.M.N., Hasnine, S., “An econometric investigation on the influence of transit pass on transit user’s behaviour”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 66. Habib, K.M.N., El-Assi, W., “On the role of station accessibility, multimodal competitions and contextual variables in retaining customer based on urban commuter rails”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 65. **Habib, K.M.N.** “On the factors influencing the choices of weekly telecommuting frequencies of post-secondary students in Toronto”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 64. Rashedi, Z., Hasnine, S., Mendonca, M., Habib, K.M.N. “Ex-ante and ex-post evaluation of smart commute strategies in the GTHA: Comparison of aggregate and disaggregate approaches”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
 63. Weiss, A., Habib, K.M.N. “Who’s picking up the kids from daycare? Understanding intra-household dynamics in drop-off and pick-up task allocations for household with dependent children”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.

62. Habib, K.M.N., Weiss, A., Hasnine, S., “On the heterogeneity and substitution patterns in mobility tool ownership choices of post-secondary students in Toronto”. Presented at the 96th Annual Meeting of Trans. Res. Board, January 8–12, 2017, Washington DC.
61. Pulikanti, S., Habib, K.M.N. 2016. “Investigating the choice-making behaviour of transport users: The role of psychology and choice contexts in commuting mode choice process”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
60. Shalaby, A., Habib, K.M.N., Lee-Gosselin, M., Morency, C., Roorda, M.J., Srikukenthiran, S., Miller, E.J. 2016. “Survey of transportation agencies on the current state of transportation data collection practice in Canada”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
59. Hui, V., Habib, K.M.N. 2016. “Transportation-related social exclusions and homelessness: What does the role transportation play in improving the circumstances of homeless individuals”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
58. Li, L., Hasnine, S., Habib, K.M.N., Persaud, V., Shalaby, A. 2016. “Investigating the interplay between the attributes of at-fault and not-at-fault and the associated impacts crash injury occurrence and severity levels”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
57. Rashedi, Z., Hasnine, S., Habib, K.M.N. 2016. “Exploiting the elicited confidence rating of SP surveys for better estimates of choice model parameters: The case of commuting mode choices in a multimodal transportation system”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
56. Mahmoud, M., Habib, K.M.N., Shalaby, A. 2016. “Application of RP/SP data to the joint estimation of mode choice models: Lessons learned from an empirical investigation into cross-regional commuting trips in the Greater Toronto and Hamilton Area”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
55. Lamers, J., Ferber, S., Habib, K.M.N. 2016. “Accessibility to community services in the City of Toronto: A measure of social exclusions”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
54. Akbari, S., Mahmoud, M., Shalaby, A., Habib, K.M.N. 2016. “Empirical models of transit demand with walk access/egress for planning transit-oriented developments around commuter rail stations in the Greater Toronto and Hamilton Area”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
53. Habib, K.M.N., Rashedi, Z., Hasnine, S., El-Assi, W. 2016. “Simultaneous capturing of complementary/supplementary relationship in consideration set formation and flexible substitution pattern in discrete choice: Application of elicited consideration set from SP survey”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
52. Louie, J., Shalaby, A., Habib, K.M.N. 2016. “Modelling disruption duration for Toronto’s subway system: An empirical investigation using the hazard model”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
51. **Habib, K.M.N.** 2016. “Can we improve choice model parameter estimates by jointly modelling the SP choice with corresponding elicited confidence ratings”. Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.

50. Habib, K.M.N., El-Assi, W. 2016. "How large is too large? The issue of sample size requirements of regional household travel surveys, the case of the Transportation Tomorrow Survey in the Greater Toronto and Hamilton Area". Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
49. Weiss, A., Habib, K.M.N. 2016. "Examining the difference between park & ride and kiss & ride station choice using spatially weighted error correlation choice model". Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
48. Hasnine, S., Weiss, A., Habib, K.M.N. 2016. "Development of an employer-based TDM strategy evaluation with and advanced discrete choice model in its core". Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016, Washington DC.
47. Habib, K.M.N., El-Assi, W., Hasnine, S., Lamers, J. 2016. "Activity-travel behaviour of non-workers in the National Capital Region of Canada: Application of CUSTOM". Presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016.
46. Wenneman, A., Roorda, M., Habib, K.M.N. "A disaggregate analysis of the relationship between commercial vehicle parking citation, parking supply, and parking demand". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
45. AbdulAzim, T., Abdelgawad, H., Habib, K.M.N., Abdulhai, B. "A framework to automate travel activity recognition using land use data: The case of four-square in the Greater Toronto and Hamilton Area (GTHA)". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
44. Mahmoud, M., Habib, K.M.N., Shalaby, A. "Survey of cross-regional intermodal passenger travel (Script): A joint RP/SP survey integrated with multimodal trip planning tool". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
43. Mahmoud, M., El-Assi, W., Habib, K.M.N. "Effect of built environment and weather on bike sharing demand: Station level analysis of commercial bike sharing in Toronto". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
42. Idris, A.O., Habib, K.M.N., Shalaby, A. "Evaluating transit ridership overestimation in mode shift modelling". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
41. Habib, K, M.N., Hui, V. "An activity-based approach of investigating travel demand of older people: Application of time-space constrained scheduling mode for older people in the National Capital Region of Canada". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
40. Mahmoud, M., Weiss, A., Habib, K.M.N. "Latent captivation or mode culture? The investigation into mode choice preference structures in competitive modal arrangements". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
39. Habib, K.M.N. "Comprehensive Utility based System of Travel Options Modelling (CUSTOM) considering dynamic time-budget constrained potential path areas in activity scheduling process: Application in modelling workers' daily activity-travel scheduling". Presented at the 94th Annual Meeting of Trans. Res. Board, January 13–17, 2015, Washington DC.
38. Mitra, R., Papaioannou, E., Habib, K.M.N. "The past and the present of active school transportation: An exploration of the built environment effects in Toronto, Canada from

- 1986–1996”. Presented at the World Symposium on Transportation and Land Use Research (WSTLUR), Delft, Netherlands, June 24–27, 2014.
37. Hui, V., Habib, K.M.N. “An evaluation of transport-related exclusion of the at-risk community (homeless people) in Toronto”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 36. Farber A., Bartholomew, K., Li, X., Paez, A., Habib, K.M.N. “Social equity in distance-based transit fares”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 35. Habib, K.M.N. “Evaluating the potential of transportation-related social exclusion of elderly people: An application of a joint mode choice and travel distance demand model in the National Capital Region (NCR) of Canada”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 34. Nourinejad, M., Wenneman, A., Habib, K.M.N., Roorda, M.J. “Truck parking in urban areas: Application of choice modelling within traffic microsimulation”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 33. Habib, K.M.N., Mann, J., Mahmoud, M., Weiss, A. “Synopsis of bicycle demand in the City of Toronto: Application of an integrated econometric model with latent variables”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 32. Srikukenthiran, S., Shalaby, A., Habib, K.M.N. “Using latent-class model to examine sensitivity of local conditions on stair and escalator choice in Toronto subway stations”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 31. Mahmoud, M., Habib, K.M.N., Shalaby, A. “Park and ride access station choice model for cross-regional commuter trips in the Greater Toronto and Hamilton Area (GTHA)”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 30. Akbari, S., Habib, K.M.N. “Oil vulnerability in the Greater Toronto Area: Spatial analysis of socioeconomic risks from higher fuel prices”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 29. Ruitz, T., Habib, K.M.N. “Scheduling decision styles on leisure and social activities”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 28. **Habib, K.M.N.**, “Home location and commuting tradeoffs of two commuter households: The case of the National Capital Region (NCR) of Canada”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 27. Idris, A.O., Habib, K.M.N., Shalaby, A. “Dissecting the role of transit service attributes in attracting commuter: Lessons from a comprehensive RP-SP study on commuting mode switching behaviour”. Presented at the 93rd Annual Meeting of Trans. Res. Board, January 12–16, 2014, Washington DC.
 26. AbdulAzim, T., Abdelgawad, H., Habib, K.M.N., Abdulhai, B. “Using smartphone and sensor technology to automate travel data collection”. Presented at the 92nd Annual Meeting of Trans. Res. Board, January 13–17, 2013, Washington DC.
 25. Weiss, A., Habib, K.M.N. “Evolution of modal captivity and mode choice for commuting trips: A longitudinal analysis by using cross-sectional datasets”. Presented at the 92nd Annual Meeting of Trans. Res. Board, January 13–17, 2013, Washington DC.

24. Habib, K.M.N., Mahmoud, M., Coleman, J. “Effect of parking charges at transit stations on park-and-ride mode choice: Lessons learned from a stated-preference survey in Greater Vancouver, Canada”. Presented at the 92nd Annual Meeting of Trans. Res. Board, January 13–17, 2013, Washington DC.
23. Morency, C., Habib, K.M.N., Trépanier, M., Salem, S. “Route choice modelling for urban commuters: Considering bridge choice as a key determinant of selected routes”. Presented at the 92nd Annual Meeting of Trans. Res. Board, January 13–17, 2013, Washington DC.
22. Foresay, D., Habib, K.M.N., Miller, E.J., Shalaby, A. “An evaluation of the impacts of introducing new transit system on commuting mode choice and transit ridership: A case study on VIVA transit in Toronto”. Presented at the 91st Annual Meeting of Trans. Res. Board, January 22–26, 2012, Washington DC.
21. Habib, K.M.N., Sasic, A., Weis, C., Axhausen, K. “Investigating the nonlinear relationship between travel-activity scheduling and transportation system performances”. Presented at the 91st Annual Meeting of Trans. Res. Board, January 22–26, 2012, Washington DC.
20. Sherman, B., Roorda, M., Habib, K.M.N. “Comparison of parametric and non-parametric hazard models of stop durations on urban commercial vehicle tours”. Presented at the 91st Annual Meeting of Trans. Res. Board, January 22–26, 2012, Washington DC.
19. Habib, K.M.N., Sasic, A. “Mobility tool ownership and peak period non-work travel mode choices”. Presented at the 91st Annual Meeting of Trans. Res. Board, January 22–26, 2012, Washington DC.
18. Habib, K.M.N., Han, X., Lin, W.H. “Joint modelling of propensity and distance for walk trip generation”. Presented at the 91st Annual Meeting of Trans. Res. Board, January 22–26, 2012, Washington DC.
17. Costain, C., Ardron, C., Habib, K.M.N. “Synopsis of users’ behaviour of a carsharing program: A case study in Toronto”. Presented at the 91st Annual Meeting of Trans. Res. Board, January 22–26, 2012, Washington DC.
16. Osman, A., Habib, K.M.N., Shalaby, A. 2012. “Investigating the effects of psychological factors measured in a semantic scale on commuting mode choice behaviour”. Presented at the 91st Annual Meeting of Trans. Res. Board, January 22–26, 2012, Washington DC.
15. Habib, K.M.N., Carrasco, J. “Trivariate model for social activity scheduling: Start time, with-whom and time allocation”. Presented at the 90th Annual Meeting of Trans. Res. Board, January 22–27, 2011, Washington DC.
14. Habib, K.M.N. 2011. “A RUM based dynamic activity scheduling model: Application in weekend activity scheduling”. Presented at the 90th Annual Meeting of Trans. Res. Board, January 22–27, 2011, Washington DC..
13. Habib, K.M.N., Tian, Y., Zaman, H. “Modelling carpool mode choice with explicit consideration of willingness to consider carpool in the choice set formation”. Presented at the 90th Annual Meeting of Trans. Res. Board, January 22–27, 2011, Washington DC.
12. Kattan, L., Habib, K.M.N., Nadeem, S., Islam, T. 2010. “Modelling travellers’ response to incident information provided by variable message sign in Calgary, Canada”. Presented at the 89th Annual Meeting of Trans. Res. Board, January 10–14, 2010, Washington DC.
11. Paez, A., Habib, K.M.N., Bonin, J. “Joint frequency and time allocation model for shopping trip: Lesson from time use survey data”. Presented at the 88th Annual Meeting of Trans. Res. Board, January 11–15, 2009, Washington DC.

10. Habib, K.M.N., Morency, C., Zaman, H. “Modelling activity persistence and usage of car sharing in Montreal”. Presented at the 88th Annual Meeting of Trans. Res. Board, January 11–15, 2009, Washington DC.
9. Habib, K.M.N., Kattan, L., Islam, T. “Why do the people use transit? A critical investigation of Calgary transit users using latent discrete choice modelling”. Presented at the 88th Annual Meeting of Trans. Res. Board, January 11–15, 2009, Washington DC.
8. Habib, K.M.N., Kockelman, K. “Modeling the choice of residential location and home type: recent movers in Austin, Texas”. Presented at the 87th Annual Meeting of Trans. Res. Board, January 13–17, 2008, Washington DC.
7. Habib, K.M.N., Miller, E.J., Axhausen, K.W. “Investigating weekly activity-travel agenda formation using multi-week trip diary data”. Presented at the 87th Annual Meeting of Trans. Res. Board, January 13–17, 2008, Washington DC.
6. Habib, K.M.N., Carrasco, J.A., Miller, E.J. “The social context of activity scheduling: A discrete-continuous model of the relationship between “with whom” and activity episode start time and duration”. Presented at the 87th Annual Meeting of Trans. Res. Board, January 13–17, 2008, Washington DC.
5. Elgar, I., Miller, E.J., Habib, K.M.N. “Modelling mobility decisions of small office firms: Impacts on urban transportation system”. Presented at the 87th Annual Meeting of Trans. Res. Board, January 13–17, 2008, Washington DC.
4. Habib, K.M.N., Miller, E.J. “Modelling daily travel-activity program generation considering within-day and day-to-day dynamics”. Presented at the 86th Annual Meeting of Trans. Res. Board, January 21–25, 2007, Washington DC.
3. Roorda, M.J, Miller, E.J., Habib, K.M.N. “Validation of TASHA: A 24-hour travel-activity microsimulation model”. Presented at the 86th Annual Meeting of Trans. Res. Board, January 21–25, 2007, Washington DC.
2. Habib, K.M.N., Miller, E.J. “Modelling individuals’ frequency and time allocation behaviour for shopping trips/activities considering household-based random effects”. Presented at the 85th Annual Meeting of Trans. Res. Board, January 22–26, 2006, Washington DC.
1. Habib, K.M.N., Miller, E.J. “Modelling workers’ skeleton travel-activity schedules”. Presented at the 85th Annual Meeting of Trans. Res. Board, January 22–26, 2006, Washington DC.

Abstracts in Refereed Conference Presentations – CD or Proceedings (Only abstract is peer reviewed)

89. Hossain, S., Loa, P., Ong, F., Habib, K.M.N. “Exploring the Impacts of the COVID-19 Pandemic on Bicycle Sharing Demands in Toronto.” Presented at the 2021 TAC Conference & Exhibits. Sep 19-22, 2021, Quebec City, Quebec
88. Hossain, S., Loa, P., Wang, K., Mashrur, Sk., Dianate, Al., Habib, K.M.N. “A comprehensive data fusion exercise to evaluate the impacts of COVID-19 on passenger travel demand in the GTA”. Presented at the *Engineering Research Days: Empowering Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
87. Loa, P., Hossain, S., Mashrur, Sk., Liu, Y., Wang, K., Ong, F., Habib, K.M.N. “Exploring the Impacts of the COVID-19 Pandemic on Modality Profiles for Non-Mandatory Trips in the Greater Toronto Area”. Presented at the *Engineering Research Days: Empowering*

- Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
86. Loa, P., Ong, F., Habib, K.M.N. “Assessing the Competition of Transportation Network Companies and Public Transit in the Greater Vancouver Region”. Presented at the *Engineering Research Days: Empowering Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
 85. Mashrur, Sk., Wang, K., Hossain, S., Loa, P., Habib, K.M.N. “An Assessment of the Impacts of COVID-19 Lockdown in Summer 2020 on Transit Use in the Greater Toronto Area”. Presented at the *Engineering Research Days: Empowering Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
 84. Shakib, S., Hawkins, J., Habib, K.M.N. “To What Extent the COVID-19 Related Lockdowns May Influence the Household Relocation Decisions?”. Presented at the *Engineering Research Days: Empowering Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
 83. Liu, Y., Miller, E.J., Habib, K.M.N. “Combining Smartphone App into a Web-based Smart Survey Tool”. Presented at the *Engineering Research Days: Empowering Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
 82. Salehin, F., Habib, K.M.N. “Travel Demand Modelling in the Context of Transformative Transportation Technologies”. Presented at the *Engineering Research Days: Empowering Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
 81. Wang, K., Liu, Y., Mashrur, Sk., Loa, P., Habib, K.M.N. “COVid-19 influenced Households’ Interrupted Travel Schedules (COVHITS) Survey: Lessons from the Fall 2020 Cycle”. Presented at the *Engineering Research Days: Empowering Innovation*. Faculty of Applied Science and Engineering, University of Toronto. June 24-25, 2021
 80. Hossain, S., Loa, P., Wang, K., Mashrur, S.K., Dianat, A., “A Comprehensive Data Fusion Exercise to Evaluate the Impacts of COVID-19 on Passenger Travel Demands in the Greater Toronto Area”. Presented at the 56th Canadian Transportation Research Forum (CTRF) Conference. May 16-19, 2021 (online)
 79. Habib, K.M.N., Sukhai, M.A., Emerson, R.W., Greco, L. “Looking Forward: Autonomous Vehicles and Accessibility. The Landscape from an Accessibility Perspective, Steps towards Realizing Enhanced Mobility for Persons who are Blind or have Sight Loss”. Paper presented at the Business of Automated Mobility Forum conference, Nov 5-6, 2020 (online)
 78. Loa, P., Hawkins, J., Habib, K.M.N. “Using SP Experiments to Understand the Impacts and Utilization of Ride-Hailing Services in the City of Toronto”. Paper Presented at the Joint Meeting of the Shared-Use Vehicles and Ridesharing Solutions Sub-Committees (AP020-1 and AP020-2) of the Transportation Research Board. January 15, 2020, Washington DC.
 77. Li, W., Shalaby, A, Habib, K.M.N. “Exploring the Ridership Impacts of Ride-Hailing Services in Multimodal Transit System across Time Periods”. Paper Presented at Conference on “Research and Applications on the Use of Massive Passive Data for Public Transport”, 8-10 July 2019. Paris, France
 76. Loa, P., Hossain, S., Habib, K.M.N. “Understanding the Influence of Built Environment and Zonal Attributes on the Relationship between Public Transit and Ride-Hailing Services”.

- Paper Presented at Conference on “Research and Applications on the Use of Massive Passive Data for Public Transport”, 8-10 July 2019. Paris, France
75. Rashedi, Z., Habib, K.M.N. “Capturing Endogenous Network Externalities in a Mode Choice Model”. Paper presented at the 15th International Association of Travel Behaviour Research (IATBR) Conference, July 15-20, 2018, Santa Barbara, California.
 74. Weiss, A., Salehin, M.F., Habib, K.M.N. “Evidence-based Assessment of the Impacts of Autonomous Vehicle Systems on Transportation Demands in the Greater Toronto and Hamilton Area”. Paper presented at the 15th International Association of Travel Behaviour Research (IATBR) Conference, July 15-20, 2018, Santa Barbara, California.
 73. Hawkins, J., Weiss, A., Habib, K.M.N. “Household-level Dynamics in Residential Choice Modelling with a Latent Auction Method”. Paper presented at the 15th International Association of Travel Behaviour Research (IATBR) Conference, July 15-20, 2018, Santa Barbara, California.
 72. Chung, B., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “Development of a Web Survey Builder Platform for Household Travel Surveys”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
 71. Weiss, A., Hasnine, S., Martinson, R., Fadi, J., Habib, K.M.N. 2017. Measuring pedestrian perception of walking. *Journal of Transport & Health*. Volume 7, Supplement. Pages: S62-S63
 70. El-Assi, W., Morency, C., Miller, E.J., Habib, K.M.N. “Investigating the Capacity of Continuous Household Travel Survey in Capturing the Temporal Rhythm of Travel Demands”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
 69. Habib, K.N., Miller, E.J., Srikukenthiran, S. Lee-Gosselin, M., Morency, C., Roorda, M.J., Shalaby, A. “TTS 2.0: A Research and Development (R&D) Project on Passenger Travel Survey Methods”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
 68. Harding, C., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “Evaluation of cost-effectiveness and feasibility of in-person surveys as an augment to the regional travel survey: a case study in the Toronto area”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
 67. Harding, C., Zhang, Z.T., Srikukenthiran, S. Miller, E.J., Habib, K.M.N. “On the User Experience and Performance of Smartphone Apps as Personalized Travel Survey Instruments: Results from an Experiment in Toronto”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
 66. Harding, C., Zhang, Z.T., Srikukenthiran, S., Miller, E.J., Habib, K.M.N. “An Experimental Study for Evaluating Smartphone Apps as Personalized Passenger Travel Survey Tools in Toronto”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
 65. Hasnine, S., Habib, K.M.N., “Using Google Map to Input Transportation Level of Service Attributes: Application in Tour-based Mode Choice Modelling”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017
 64. Srikukenthiran, S., Lin, T., Miller, E.J., Habib, K.M.N. “Impact of a Multiple Survey Frames on Data Quality of Household Travel Surveys: The case of the 2016 Transportation Tomorrow Survey”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.

63. Srikukenthiran, S., Lin, T., Miller, E.J., Habib, K.M.N. “Inverted Sampling Frames to overcome Under-Coverage of specific Population Cohorts: Examining the viability of recruiting households via employers and institutions”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
62. Wielinski, G., Trepanier, M., Morency, C., Habib, K.M.N. “Measuring Carsharing Behavioural Change Over Eight Years of Passive Data Stream: Results and Methodological Challenge”. Presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017
61. Weiss, A., Hasnine, S., Habib, K.M.N. 2017. “Comparing the Generalized Spatially Correlated Logit (GSCL) and the Spatially Weighted Error Correlation (SWEC) Model for Capturing the Intricacies of Spatial Choices”. Presented at the 2017 International Symposium of Locational Decisions. July 9-14, 2017, Toronto.
60. Trépanier, M., Morency, C., Habib, K.M.N. “Étude de la dynamique du comportement des usagers à l’intérieur d’un écosystème de services d’autopartage à Montréal” 52^e Congrès de l’Association québécoise des transport, April 03-05, 2017, Montreal, Canada
59. Morency, C., Trépanier, M., Habib, K.M.N., Salem S. “Quand le pont dicte le trajet! (When the bridge dictates the path)”. 50^e Congrès de l’Association québécoise des transport, March 30-April 01, 2015, Montreal, Canada.
58. Akbari, S., Hasnine, S., Papaioannou, E., Bernardino, A., Habib, K.M.N. “Modelling the tipping point of home and mobility ownership changes: A joint econometric investigation on housing & mobility tool ownership change in the face of increasing commuting cost in the Greater Toronto and Hamilton Area”. Presented at the 14th IATBR Conference, July 19-23, 2015, Windsor, UK
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 11. Miller, E.J., K.N. Habib, M. Lee-Gosselin, C. Morency, M.J. Roorda and A. S. Shalaby, “Changing Practices in Data Collection on the Movement of People, Report V: A Framework for Urban Passenger Transportation Data Collection & Management”. Report to the Transportation Association of Canada, Île d'Orléans, Québec: Lee-Gosselin Associates Ltd., September 2012, 56 pages.

10. Miller, E.J., K.N. Habib, M. Lee-Gosselin, J. Hoy, C. Morency, M.J. Roorda and A. S. Shalaby, "Changing Practices in Data Collection on the Movement of People, Report IV: A Survey of Canadian Urban Transportation Data Collection Methods and Usage". Report to the Transportation Association of Canada, Île d'Orléans, Québec: Lee-Gosselin Associates Ltd., September 2012, 62 pages
9. Miller, E.J., K.N. Habib, M. Lee-Gosselin, C. Morency, M.J. Roorda, A. S. Shalaby, "Changing Practices in Data Collection on the Movement of People, Report III: Survey of Data Sources for Urban Transportation Applications". Report to the Transportation Association of Canada, Île d'Orléans, Québec: Lee-Gosselin Associates Ltd., September 2012, 40 pages.
8. Habib, K.N., C. Morency and E.J. Miller, "Changing Practices in Data Collection on the Movement of People, Report II: Data Integration/Fusion". Report to the Transportation Association of Canada, Île d'Orléans, Québec: Lee-Gosselin Associates Ltd., April 2012, 17 pages.
7. Miller, E.J., K.N. Habib, M. Lee-Gosselin, C. Morency, T.H. Rashidi, M.J. Roorda, A. S. Shalaby, "Changing Practices in Data Collection on the Movement of People, Report I: Literature Review". Report to the Transportation Association of Canada, Île d'Orléans, Québec: Lee-Gosselin Associates Ltd., December 2011, 104 pages.
6. Habib, K.M.N. "Understanding users' behaviour of the carsharing program". Report submitted to AutoShare, Toronto. Report to AutoShare, May 2011, 41 pages.
5. Habib, K.M.N. "Evaluating the potential impact of weekend traffic emissions in reaching Toronto's greenhouse gas emission reduction target". Report submitted to the Toronto Atmospheric Fund, City of Toronto, August 2011, 47 pages.
4. Habib, K.M.N. "Regional level traffic flow for outdoor marketing measurement". Report submitted to COMB, September 2011, 27 pages
3. Kattan, L., Habib, K.M.N. "Modelling traveller's response to incidence information provided through variable message signs in Calgary". Report submitted to Centre for Transportation Engineering and Planning (C-TEP), Alberta Transportation, November 2009, 8 pages
2. Miller, E.J., F. Chinguanco, B. Farooq, K.M.N. Habib and M.A. Habib, "Development of an Operational Integrated Urban Model System, Volume IV: Demographic & Labour Market, Toronto". Report submitted to Urban Transportation Research & Advancement Centre, University of Toronto, December 2008, 42 pages.
1. Miller, E.J., J.A. Carrasco, K.M.N. Habib and M.J. Roorda, "Development of an Operational Integrated Urban Model System, Volume VII: Activity Travel Modelling, Toronto". Report submitted to Urban Transportation Research & Advancement Centre, University of Toronto, December 2008, 20 pages.

Other Publications (Theses):

3. Habib, K.M.N. "Modelling activity generation processes". Ph.D. thesis, University of Toronto, Toronto, Canada, June 2007.
2. Habib, K.M.N. "Evaluation of planning options to alleviate traffic congestion and resulting air pollution in Dhaka City". M.Sc. thesis, Bangladesh University of Engineering & Technology, Dhaka, June 2000.

1. Habib, K.M.N. “Modelling flat plate building structures under lateral load”. B.Sc. thesis, Bangladesh University of Engineering & Technology, Dhaka, June 2000.

PART 3 – TEACHING AND SUPERVISION

TEACHING EXPERIENCE

Instructor: University of Toronto, Toronto, Canada

- CME 263: Probability Theory for Civil and Mineral Engineers (Winter 2011–Winter 2016)
- CIV 1520: Travel Survey Methods (Fall 2010–Present)
- CIV531: Transportation Planning (Fall 2015–Present)
- CIV 1504: Applied Probability and Statistics in Civil Engineering (Fall 2017–Present)
- CIV 1538: Demand Analysis (Winter 2012–Present)
- CIV 1599: Transport Economics (Winter 2016, Offered as a reading course)
- CIV 1505: Transportation Research Seminars (Fall and Winter 2012–Fall 2016)

Instructor: University of Alberta, Edmonton, Canada

- CIVE 315: Introduction to Transportation Engineering (Winter 2009 and 2010)
- CIVE 612: Transportation Planning (Fall 2008 and 2009)
- CIVE 613: Travel Demand and Transportation Policy Analysis (Fall 2009)

Instructor: Bangladesh University of Engineering & Technology, Dhaka, Bangladesh

- Traffic Engineering Sessional (4th-year civil engineering): June 2000–August 2003
- Transportation Engineering Sessional (3rd-year civil engineering): June 2000– August 2003
- Engineering Material Sessional (2nd-year civil engineering course): June 2000–August 2003
- The strength of Materials Sessional (2nd-year civil engineering course): June 2000–August 2003

Sessional Instructor: University of Toronto, Toronto, Canada

- CIV 1504: Applied Probability and Statistics for Civil Engineers (Fall 2007)

Sessional Instructor: The University of Toronto at Scarborough, Scarborough, Canada

- Geography and Planning C18: Urban Transportation Policy Analysis (Winter 2005)

HIGHLY QUALIFIED PERSONNEL (HQP) SUPERVISION

	Currently		Completed		Total
	Supervising	Co-supervising	Supervised	Co-supervised	
Ph.D. Thesis	8	4	5	4	21
Post-Doc Fellow			2	4	06
M.A.Sc. Thesis	2	0	14	8	24
M.Sc SM Thesis Project	2				02
M.Eng. Research Project			29		29
Undergraduate Thesis	3		26		29
Post-Grad Analysts	0	0	10	0	10
UG Analysts/RA			42		42
Voluntary Research Mentoring			5		05
Total	15	2	124	12	168

Current Ph.D. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
21. Kaili Wang	TBD		Sep. 2021-Aug 2025
20. Yicing (Nora) Liu	TBD	Prof. Eric J. Miller of UofT	Sep. 2021-Aug 2025
19. Xin Guan	Route Choice Behaviour of Travellers in Shanghai using Mobile phone and GPS data	Prof. Xin Ye of Tongji University, Chine	Sep 2021-Aug 2022 *Visiting Ph.D. Student at UofT
18. Ya Gao	Impact of High-Speed Rail on Inter-City Commuter Mode Choice	Prof. PanHaiXiao of Tongji University, Chine	Sep 2021-Aug 2022 *Visiting Ph.D. Student at UofT
17. Sk. Md. Mashrur	Agent-based dynamic traffic microsimulation for activity-based travel demand models		Sept. 2019-Sept 2023
16. Patrick Loa	Using Repeated Crosssectional Data to Improve Demand Model Prediction Capacity		Sept. 2019-Sept 2023

15. Alireza Dianat	Operational Activity-Based Model		Jan. 2019- Jan. 2023
14. Gozde Bakioglu	Autonomous Vehicle Ownership Choice Model	Prof. Ali O. Attahan of Istanbul Technical University, Turkey	Sept. 2019- Sept 2020 *Visiting Ph.D. Student at UofT
13. Saeed Shakib	Operational Land Use Transportation Interaction Model.		Jan. 2019- Jan. 2023
12. Sanjana Hossain	An Integrated Data System for Travel Demand and Land Use Modelling		Sept. 2017- Sept. 2021
11. Md. Faizus Salehin	Enhanced Travel Demand Model for Behavioural Adaptation under the Automated Vehicle System		Sept. 2017- Sept. 2021
10. Tamer AbdulAzim	Connected Travellers: A Real-Time Intelligent Framework to Automate the Collection of Personal Travel Data Using Smartphones	B. Abdulhai (Civil Eng.)	Jan. 2010- Aug. 2020

Completed Ph.D. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
9. Zohreh Rashedi	Uncertainty in Travel Demand Modelling		Sept. 2014- Dec. 2021
8. Jason Hawkins	Modelling Spatial Location Choice and Transition for a Changing Urban Landscape		Sept. 2017- March. 2021
7. Sami Hasnine	Modelling Daily Tour-based Mode Choices for Activity-Travel Schedules		Jan. 2015- Feb. 2019
6. Saidal Akbari	Land-use and Transportation Interactions through the Lenses of Two-Worker Households, Rising Commuting Costs and Transit-Oriented Development		Sept. 2013- Mar. 2018
5. Leila Dianat	Week-Long Model of Non-Work Activity Scheduling	E.J. Miller	Sept. 2011- Sept. 2017
4. Adam Weiss	Intra-Household Interactions in Travel Demand Models		Sept. 2013- Sept. 2017
3. Sarah Salem	Investigating Temporal Transferability of Activity-Based Travel Demand Modelling Approaches		Sept. 2011- Sept. 2016
2. Mohamed Mahmoud	Demand Modelling of Cross-Regional Commuting Trips in Multimodal Networks	A. Shalaby (Civil Eng.)	Sept. 2011- May 2015

1. Ahmed Osman Idris	Modal Shift Forecasting Models for Transit Service Planning	A. Shalaby (Civil Eng.)	May 2008– August 2013
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Post-Doctoral Fellows:

Student Name	Thesis Topic	Year
6. Md. Sami Hasnine	Activity-based Travel Demand Microsimulation	2019
5. Adam Weiss	Demand Estimation in the Context of Automated Vehicle Technologies	2017-2017
4. Ehab Diab	GO Transit Smart Card Data to Investigate Transit Usage Behaviour	2017
3. Ahmadreza Faghieh-Imani	TTS2.0: Core-Satellite Approach of Passenger Travel Survey	2016-2018
2. Siva Srikukenthiran	TTS2.0: Core-Satellite Approach of Passenger Travel Survey	2017– 2018
1. Siva Srikukenthiran	TTS2.0: Core-Satellite Approach of Passenger Travel Survey	2015– 2016

Current M.A.Sc. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
24. Brenden Lavoie	Effects of AVs on Passenger Travel Demands		Sep. 2021- Aug 2023
23. Felita Ong	Share and On-Demand Mobility Modes in Vancouver		Sep. 2020- Aug 2022

Completed M.A.Sc. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
22. Kaili Wang	Challenges, Issues and Opportunities in Household Travel Surveys	E.J. Miller	Sept. 2019-Aug 2021
21. Yicong Lui (Nora)	Combining a Smartphone App into a Web-based Smart Survey Tool	E.J. Miller	Sept. 2019-Aug 2021
20. Albert Lo	Evaluating the Impacts of Transit Investments on Travel Demands		Sept. 2017-Aug 2019
19. Sina Azizoldouz	Automated/Connected Automated Transportation System and the Perspective of Most Vulnerable Roads User (People with Vision loss)		Sept. 2017-Aug 2019

18. Wenting Li	Investigating the Competition between Ride-hailing Service and Public Transport in the City of Toronto	A. Shalaby	Sept. 2017-Aug 2019
17. Patrick Loa	Design and Implementation of Core-Satellite Structure for Urban Passenger Data		Sept. 2017-Aug 2019
16. Brittany Chung	STAI SI: State of The Art Internet Survey Interface	E. Miller	Sept. 2016-Aug 2018
15. Wafic El-Assi	Investigating the Capacity of Household Travel Surveys in Replacing Traditional Cross-sectional Surveys		Sept. 2015– Aug 2016
14. James Lamers	Understanding the Travel Behaviour of Families with Dependent Children Within the Context of Activity Based Modelling		Sept. 2014–Dec. 2016
13. Vivian Hui	Transportation and Social Equity of Homeless People in Toronto		Sept. 2013– Aug. 2015
12. Sami Hasnine	A Comprehensive Study on the Effectiveness of Office-Based TDM Policies		Sept. 2013–Apr. 2015
11. Adam Wenneman	Commercial Vehicle Operations in Urban Areas: Identifying Policies to Reduce Negative Impacts	M. Roorda (Civil Eng.)	Sept. 2012–Aug. 2014
10. Eilli Papaioannou	A Study of Car and House Ownership in the face of Increasing Commuting Expenses (CHOICE)		Sept. 2012–Aug. 2014
9. Adam Weiss	Investigating Modal Captivity for Commuting in the Greater Toronto and Hamilton Area		Sept. 2011– Aug. 2013
8. Billy Wong	Evaluating the Effects of Accessibility to Transit Stations on Intercity Mode Choice: Application of Web-based Stated Preference Survey		Sept. 2011–Aug. 2013
7. Yuan Tian	Modelling Activity Location Choice for Trip Destination Models		Sept. 2010–Aug. 2011
6. Ana Sasic	Modelling Departure Time and Mode Choice: Evaluating of Dynamic Transportation Policies		Sept. 2010–May 2012
5. Joydip Majumder (University of Calgary)	Traveller’s Response to Real Time Traffic Information: A Case Study on Variable Message Signs in Calgary	L. Kattan (University of Calgary)	Sept. 2009–Aug. 2011

4. David Foresay	Impact of VIVA Transit System on Mode Choices of York Region People	E. Miller and A. Shalaby (Civil Eng.)	Sept. 2009–Aug. 2011
3. Md. Hamid Zaman (University of Alberta)	Investigation of Commuting Mode Choice with Respect to TDM Policies		Sept. 2008–May 2010
2. Md. Tazul Islam (University of Alberta)	Unravelling the Relationship between Trip Chain and Mode Choice using Structural Equation Modelling		Sept. 2008–May 2010
1. Nicholas Day	Modelling Mode Choice and Trip Timing for Work Trip	E. Miller (Civil Eng.)	Jan. 2007–Apr. 2008

Completed M.Eng./MSc. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation

Completed M.Eng. Students:

Student Name	Thesis Title	Year
31. May Lim- M.Sc. Sustainable Management (Inst. Of Management and Innovation)	Sustainable Demand Management: Electric Vehicle and Waterfront Development	2019
30. Seepedeh Sahabadi- M.Sc. Sustainable Management (Inst. Of Management and Innovation)	Transit First and Last Mile Problems in Toronto	2019
29. Hangyang Zhang (EMMA)- MEng (Civil)	Modelling Home and Work Location Choices	January 2018- August 2018
28. Yixi Luo	MEngCEM Project: Smart-phone based Personal Travel Survey	Summer 2017
27. Tamer Ladan	MEng (Civil) Project: Modelling satellite surveys for active travel in the City of Ottawa	Summer 2017
26. Imran Sharif us Salam	MEng (Civil) Project: A Multimodal Traffic Assignment Model for the Greater Toronto and Hamilton Area	Summer 2016
25. Tian Lin (CEM Intern)	MEngCEM Project: Data Imputation for Passenger Travel Demand	Summer 2016
24. Mustafa Ersin Sharier	MEng (Civil) Project: Investigating Place of Residence and Place of Employment Choices	Fall 2015

23. Mehmetcan Ersoz (University of Toronto)	MEng (Civil) Project: Feasibility of a Highway Project in Niagara Peninsula	Fall 2015
22. Khwaja M Waker (University of Toronto)	MEng (Civil) Project: Use of GIS to Evaluate the Impact of 2008-2009 Economic Recession in the GTHA	Spring 2015
21. Jacob Louie (University of Toronto)	MEng (Civil) Project: Building statistical models to predict durations of subway system incidences	Fall 2014- Spring 2015
20. Aitor Imaz (University of Toronto)	MEng (Civil) Project: Investigating the Factors Affecting Transit User Loyalty	Summer 2013
19. Saidal Akbari (University of Toronto)	MEng (Civil) Project: Oil Vulnerability in the Greater Toronto Area: Spatial Analyses of Socioeconomic Risks from Higher Fuel Prices	Winter-Spring 2013
18. Kareem Kobeissi (University of Toronto)	MEng (Civil) Project: Modelling Intercity Mode Choice by using RP Data	Summer 2012
17. Pushpa Adhikary (University of Toronto)	MEng (Civil) Project: Coding and Calibrating TransCAD Network Model for GTHA	Fall 2011
16. Cindy Costain (University of Toronto)	MEng (Civil) Project: Investigating Users' Behaviour of a Carsharing Program	Summer 2011
15. Carolyn Ardron (University of Toronto)	MEng (Civil) Project: Evaluating Potential Impact of Weekend Traffic Emission in Reaching Toronto's GHG Emission Reduction Target	Summer 2011
14. Mohammed Mouattamid (University of Alberta)	MEng (Civil) Project: EM Algorithm for Non-Parametric Estimation of Mixing Distribution	Winter-Spring 2010
13. Mohammed Almasi (University of Alberta)	MEng (Civil) Project: Microscopic Transportation Analysis of Highway 16A in Stoney Plain Using VISSIM	Winter-Spring 2010
12. Yasin Zia (University of Alberta)	MEng (Civil) Project: Investigating Time Expenditure Behaviour using Canadian Time use Survey Data	Winter-Spring 2010
11. Shariq Khan (University of Alberta)	MEng (Civil) Project: Collecting Psychometric Data on Selected Sample-3 in Edmonton	Winter-Spring 2010
10. Mohammad Munir (University of Alberta)	MEng (Civil) Project: Collecting Psychometric Data on Selected Sample-2 in Edmonton	Fall 2009
9. Raquibul Hasan Waheed (University of Alberta)	MEng (Civil) Project: Collecting Psychometric Data on Selected Sample-1 in Edmonton	Fall 2009
8. Nasrullah Dogar (University of Alberta)	MEng (Civil) Project: Designing a Psychometric Survey for Mode Choice Modelling	Fall 2009

7. Parsa Shirvani (University of Alberta)	MEng (Civil) Project: Developing a Simulation Tool for Policy Evaluation using Discrete Choice Model	Fall 2009
6. Ashfaq Ahmed (University of Alberta)	MEng (Civil) Project: Transportation Planning Practice in Small City: A Case Study on Red Deer, Alberta	Winter-Spring 2009
5. Mehdi Khan (University of Alberta)	MEng (Civil) Project: Relationship between Transportation Accessibility, Urban Form, and Housing Market	Winter-Spring 2009
4. Adnan Akram (University of Alberta)	MEng (Civil) Project: Transit Oriented Development for Edmonton Region	Fall 2008
3. Amir Bhurgri (University of Alberta)	MEng (Civil) Project: Evaluating Transit Investment with Respect to Urban Growth	Fall 2008
2. Saeed Hamidi (University of Alberta)	MEng (Civil) Project: Evaluating Latent Demand for Transit Extension	Fall 2008
1. Arif Ali (University of Alberta)	MEng (Civil) Project: Estimating GHG from Road Construction Projects	Summer 2008

Current Undergraduate Thesis Students:

Student Name	Thesis Title	Year

Completed Undergraduate Thesis Students:

Student Name	Thesis Title	Year
29. Oliver Liang (Engineering Science)	Comparative Study on Level of System Optimum that can be Achieved by various levels of Transportation Automation	Sep. 2018– May 2019
28. David Boroto (Engineering Science)	Use of Shared Mobility Services to Alleviate Transport Related Social Exclusion of Homeless People in the City of Toronto	Sep. 2018– May 2019
27. Kaili Wang (Civil Engineering)	Investigating People’s Willingness to Pay for Automation in their Cars	Sep. 2018– May 2019
26. Daming Gao (Engineering Science)	Investigating Bicycle Travel Demand in the City of Toronto	Sep. 2017– May 2018
25. Patrick Loa (Engineering Science)	Predicting Travel Demand of Elderly Population in the GTHA	Jan. 2017– May 2017
24. Albert Lo (Industrial Engineering)	High Occupancy Vehicle Lanes in GTHA: A Review	Jan. 2017– May 2017
23. Herman Hui (Engineering Science)	Investigating Equity Issue Related to Flat Fare System of Toronto Transit Commission	Sept. 2015– May 2016
22. Danhui Li (Civil Engineering)	Investigating Aggregate Travel Demand Stability in the GTA	Sept. 2015– Dec 2015
21. Zijun (Nichole) He (Engineering Science)	The Role of Sample Size in Model Prediction Uncertainty	Sept. 2014– May 2015

20. Shashank Pulikanti (Engineering Science)	Investigating Choice Making Behaviour in Transportation: Role of Psychology and Choice Context	Jan. 2015– May 2015
19. Brian Lui (Engineering Science)	Activity Type Choice Set for Activity Scheduling Model	Sept. 2014– May 2015
18. Patrick Zerr (Engineering Science)	Destination Location Choice for Activity-Based Modelling	Sept. 2014– Dec. 2014
17. Fabian Chow (Engineering Science)	Investigating Input Uncertainty of Travel Demand Models	Sept. 2014– May 2015
16. Luigi La Corte (Civil Engineering)	Investigating the appropriateness of P3 procurement for Canadian municipalities	Jan. 2015– May 2015
15. Waif El-Assi (Civil Engineering)	Investigating Factors Influencing Bike Sharing Demand in Toronto	Sep 2014– Dec 2014
14. Nicole Tan (Engineering Science)	Evaluating Effects of Bike Infrastructure on Bike Commuting in the National Capital Region	Sept. 2013– Dec. 2013
13. Mohammed Rashed (Engineering Science)	Determining Trip Activity Using Smartphone Data and Location-based Algorithm	Sept. 2013– Dec. 2013
12. Agina Mung (Engineering Science)	Investigating Reverse Commuting Trends in the National Capital Region of Canada	Sept. 2013– Dec. 2013
11. Jenessa Man (Engineering Science)	Quantifying Built Environment Impact on Bicycle Travel Behaviour in the City of Toronto	Sept. 2012– May 2013
10. Naveed Enam (Civil Engineering)	The investigation into Incorporating Signal System in Transportation Planning Network by Using MATSim	Sept. 2012– Dec. 2012
9. Ishwar Purushottam (Engineering Science)	Developing a MATSim Auto Assignment Model for the National Capital Region	Sept. 2012– May 2013
8. Vivian Hui (Engineering Science)	An Investigation of Transport-related Exclusion for the At-Risk Community in Toronto	Sept. 2012– May 2013
7. Ryan Sostarich (Engineering Science)	Connecting Risky Driving Behaviour to Travel Demand	Sept. 2012– Dec. 2012
6. Shahrzad Borjian (Civil Engineering)	Investigating Intra-Household Joint Trip Making Behaviour in Toronto	Sept. 2011– May 2012
5. Rob Dunlop (Engineering Science)	Investigating the Relationship between Accessibility and the Level of Bicycle Use in Toronto	Sept. 2011– May 2012
4. Balazs Hertel (Engineering Science)	Benchmarking Nonmotorized Transportation Demand for GTA	Sept. 2011– Dec. 2011
3. Landy Cheung (Engineering Science)	Investigating the Evolution of System Dynamics: Transportation Demand-Supply Interactions Over time in GTHA	Sept. 2011– Dec. 2011

2. Tim Cheng (Engineering Science)	Investigating the Accuracy of Travel Cost Estimates in DUE Traffic Assignment Model	Sept. 2011– Dec. 2011
1. Michael J. Lee (Engineering Science)	Comparing Travel Behaviour in Two Cities: Toronto and Ottawa	Sept. 2011– Dec. 2011

Undergraduate (UG) Research Analysts/Assistants (RA):

Name	Department	Research Topics/Project	Year
43. Lavan Sivarajasingham	Civil-3 rd Year	Travel Data Assimilation and Fusion	2022- Summer Fellow
42. Brenden Lavoie	Civil-4 th Year	Travel Data Assimilation and Fusion	2021- Summer Fellow
41. Daming Gao	EngSci-3 rd Year	Data fusion for Core-Satellite Structure	2017- Summer Fellow
40. Albert Lo	IPE-4 rd Year	Effects of different sampling frame and recruiting procedure on data quality in 2016 TTS	2017- Summer Fellow
39. Patrick Loa	EngSci-4 rd Year	Satellite Survey Design	2017- Summer Fellow
38. Zoe (Tengteng) Zhang	Civil-3 rd Year	Sample Frame and Passive Data	2016- Summer Fellow
37. Jeremy Chan	EngSci-2 nd Year	Sample Frame and Passive Data	2016- Summer Fellow
36. Cici (Meishi) Chen	EngSci-2 nd Year	Smart Phone based Data Collection	2016- Summer Fellow
35. Britanny Chung	U Waterloo Civil-4 th Year	Web Tool for Household Travel Survey	2016- Summer Fellow
34. Zhexiang Wang	Civil-2 nd Year	Data Imputation and Descriptive analysis	2016- Summer NSERC USRF
33. Shirin Ashtari	Civil-3 rd Year	Investigating Home Location Choices in Toronto	2016- Summer Fellow
32. Sarah Tasnuva	Civil-2 nd Year	Air Transportation Demand	2016- Summer Fellow
31. Wafic El-Assi	Civil-Final Year	Sampling for Crossectional and Continuous Household Travel Survey2	2015- Summer NSERC USRF
30. Patrick Loa	EngSci-3 rd Year	Household Travel Survey Issues: Literature Review	2015- Summer Fellow
29. James Scott	Civil Engineering-2nd Year	Developing a Microsimulation Model for Activity-travel Demand	2014–Summer Fellow
28. Wafiq El-Assi	Civil Engineering-3rd Year	Estimating Bike Sharing Demand in Toronto	2014–Summer Fellow

27. Safinur Majumder	Civil Engineering-3rd Year	Activity Scheduling in Time and Space	2014–Summer Fellow
26. Zijun He	Engineering Science-2nd Year	Developing a Microsimulation Model for Population Synthesis	2014- Summer NSERC USRF
25. Savannah Forest	Civil Engineering-2nd Year	Developing a Microsimulation Model for Population Synthesis	2014- Summer NSERC USRF
24. Yiwei Yan	Civil Engineering-2nd Year	Developing Accessibility Indices from Land Use and Transportation Network Data	2013– Summer Fellow
23. Yinjiao Hu	Civil Engineering-3rd Year	Detailing Transit Network in MATSim for GTHA	2013– Summer Fellow
22. Ruoyan (Jenna) Wu	Civil Engineering-2nd Year	Developing Accessibility Indices from Land Use and Transportation Network Data	2013– Summer Fellow
21. Pan Ding	Civil Engineering-2nd Year	Developing Accessibility Indices from Land Use and Transportation Network Data	2013–Summer Fellow
20. Mohammed Mohannad	Civil Engineering-3rd Year	Detailing Transit Network in MATSim for GTHA	2013– Summer Fellow
19. Meng Liu	Civil Engineering-2nd Year	Developing Accessibility Indices from Land Use and Transportation Network Data	2013– Summer Fellow
18. Di Niu	Civil Engineering-2nd Year	Developing Accessibility Indices from Land Use and Transportation Network Data	2013– Summer Fellow
17. Ankit Bhardwaj	Civil Engineering-3rd Year	Developing Multimodal Transportation Network Simulation Model for the GTHA	2013 - Summer UTEA–NSERC
16. Vivian Hui	Engineering Science-4th Year	Issues of Transportation of Homeless People in Toronto	2012, 2013– Summer Fellow
15. Yi Liang	Engineering Science-2nd Year	Coding Transit Network Assignment for GTHA in MATSIM	2012, 2013– Summer Fellow

14. Tian Lin	Engineering Science-2nd Year	Coding Transit Network Assignment for GTHA in MATSIM	2012– Summer Fellow
13. Matthew Chan	Engineering Science-2nd Year	Coding Transit Network Assignment for GTHA in MATSIM	2012– Summer Fellow
12. Tarek Al-Fotou	Civil Engineering-2nd Year	Generating Land Use Attributes for the GTHA by using GIS	2012, 2013– Summer Fellow
11. Yiding Hu	Civil Engineering-2nd Year	Generating and Validating Transit Network Level-of-Service Attributes	2012–Summer Fellow
10. Adham Bakr	Civil Engineering-2nd Year	Generating Land Use Attributes for the GTHA by using GIS	2012– Summer Fellow
9. Emil Jayatileke	Civil Engineering-2nd Year	Canadian Travel Survey: Investigating Spatial Transferability	2011– Summer Fellow
8. Emma (Xiao Han)	Civil Engineering-3rd Year	Direct Demand Model for Non-motorized Transport	2011– Summer Fellow
7. Ishwar Purushottam	Engineering Science-3rd Year	Identifying Sheppard Line Feasible OD pairs	2011, 2012, 2013– Summer Fellow
6. Yinji Wang	Civil Engineering-3rd Year	Transportation Expenditure in Canada	2011– Summer Fellow
5. Zhong Yi Wan	Engineering Science-2nd year	Developing Web-based Survey Tool	2011- Summer NSERC USRF
4. Landy Cheung	Engineering Science-4th Year	Model Transferability and Entropy Analysis for Project Evaluation	2011– Summer Fellow
3. Joyce Cheung	Civil Engineering-2nd Year	Imputing Activity Classification in TTS Datasets	2011– Summer Fellow
2. Maya Nastic	Engineering Science-1st Year	Developing Datasets for Joint Mode and Departure Time Choice Modelling	2011– Summer Fellow
1. William Lin	Engineering Science-1st Year	Creating a Historical GIS Database for GTHA	2011– Summer Fellow

Postgraduate (PG) Research Associates:

Name	Degree and Position	Research Topics/Project	Year and Position
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10. Kavitha Mekala	Programmer	TRAISI development	Jan 2020-Jan 2022
9. Albert Lo	Data Analyst	Presto Data Analysis and Fusion	Sept 2019 – March 2020
8. Oliver Liang	Python/.Net Programmer	TRAISI Software Development	May 2019-Oct 2019
7. Tian Lin, M.Eng-CEM	Analyst	TTS2.0 Project: Results of 2016 TTS and Field Test Specifications	Jan 2017-Aug 2017
6. Brain Prieur	Computer Programmer	TTS2.0 Project: Developing Front-End of Web Survey Tool	Summer 2016
5. David La	Computer Programmer	TTS2.0 Project: Developing Front-End of Web Survey Tool	Summer 2016
4. Dr. Mohammed Mahmoud	Ph.D. in Civil & Post Doctoral Fellow	Stated Preference survey design and Transit Oriented Design study	Summer 2015
3. Dr. Siva Srikukenthiran	Ph.D. in Civil & Post Doctoral Fellow	TTS2.0 Project: Improving Household Travel Survey in the GTHA	Summer 2015-Summer 2018
2. Mohammed Rashed, B.A.Sc	B.A.Sc in EngSci & Research Associate	TTS2.0 Project: Improving Household Travel Survey in the GTHA	Summer 2015
1. Shashank Pulikanti, B.A.Sc	B.A.Sc in EngSci & Research Associate	TTS2.0 Project: Improving Household Travel Survey in the GTHA	Summer 2015

Completed Research Mentoring for Galbraith Society:

Name	Department	Research Topics/Project	Year
5. Mohammad Molani	Civil Engineering-2nd Year	Public Transit and Society	2012–2013
4. Candice Chan	Engineering Science-3rd Year		
3. Ankit Bhardwaj	Civil Engineering-2nd Year	Transportation and Society: Implications of our Activity-travel Choices	2011–2012
2. Vivian Hui	Engineering Science-2nd Year		
1. Candice Chan	Engineering Science-3rd Year		

MAJOR AWARDS RECEIVED BY MY CURRENT AND PAST HQPS

- Felita Ong:
 - 2021 CITE John Vardon Memorial Transportation Scholarship
- SK Mashroor:

- Alan Tonk Scholarship 2019-2020
- Patrick Loa:
 - TISC Ph.D. Scholarship 2019-2023
- Jason Hawkins
 - NSERC PGS 2018-2021; CRDCN Emerging Scholars Grant 2019 (Statistics Canada), OGS (2017)
- Md Faizus Salehin
 - Connaught International Doctoral Scholarship: 2017-2021
- Sanjana Hossain
 - 2021 NSERC Post Doctoral Fellowship (at MIT, USA)
 - 2021 TAC Scholarship, awarded by Transp. Assocs. of Canada
 - Trillium International Doctoral Scholarship: 2017-2021
- Albert Lo:
 - TISC MASc scholarship: 2017-2019
- Zohreh Rashedi:
 - OGS: 2015, 2016, 2017
 - Ph.D. Completion Award 2019
- James Lamers:
 - 2015 CITE Student Paper Award (First Position)
 - 2014 G. Stuart Fellowship, awarded by UTTRI, University of Toronto
 - Alan Tonks Graduate Scholarship 2014
- Sami Hasnine:
 - 2019 NSERC Post Doctoral Fellowship (at MIT, USA)
 - 2017 NSERC Graduate Scholarship
 - 2015, 2016 R. Soberman Fellowship, awarded by UTTRI, University of Toronto
 - 2015 ITE Student Presentation Award (Second Position)
- Wafic El-Assi:
 - 2015 NSERC Undergraduate Research Fellowship
 - CAA Fellowship 2015
- A. Weiss:
 - 2016 OGS
 - 2014 TAC Scholarship, awarded by Transp. Assocs. of Canada
- A. Bhardwaj: the University of Toronto Excellence Award in Natural Science and Engineering (UNTEA-NSE).
- B. Wong:
 - 2013 Rob MacIsaac Fellowship, awarded by Metrolinx
- M. Tazul Islam:
 - 2013 Alberta Innovates Graduate Scholarship
 - 2013 Honorary Izaak Walton Killam Memorial Scholarship
- S. Forest: 2014 NSERC Undergraduate Research Fellowship
- V. Hui: 2014 Transportation Association Canada (TAC) Scholarship
- Z. He: 2014 NSERC Undergraduate Research Fellowship
- A. Osman Idris: 2012–2013 Ontario Graduate Scholarship (OGS)
- A. Sasic: 2011 Richard Soberman Fellowship in Transportation Planning, awarded by UTRAC, University of Toronto

PART 4 – SERVICES

UNIVERSITY of TORONTO ADMINISTRATIVE POSITIONS

- Chair of Undergraduate Studies Committee (USC) of Civil & Mineral Engineering(Fall 2019- to Date)
- Associate Director (2018-to Date), Data Management Group (DMG), UTTRI: I provide advice and guidance on managing and disseminating Transportation Tomorrow Survey (TTS) data
- Section Chair/Coordinator of Transportation Engineering (Jan 2019-Jan 2022), Department of Civil & Mineral Engineering.
- Members of Academic Steering Committee of UTTRI: Sept 2019 to Date
- Member of Faculty Council, Faculty of Applied Science and Engineering (FASE), University of Toronto: 2010–Present
 - Member of the Faculty Academic Appeal Board (June 2017- June 2020): Members meet to evaluate the appeals submitted by undergraduate students on a variety of academic matters.
 - Member of the committee evaluating a faculty-level graduate course on quantitative methods (September 2018-Present): The committee is working on assessing the feasibility of setting faculty-level graduate courses on quantitative methods.
- Member of School of Graduate Studies (2010–Present): Member serving the examination committees and chairing the Ph.D. examinations.
- Member of “School of Cities” Interim Working Group (June 2017-Present): Members are working to develop the organizational structure and governance of the newly established cross-disciplinary unit, the School of Cities at the University of Toronto.
- Member of Departmental Council of the Dept. of Civil & Mineral Engineering, University of Toronto: 2010–Present
 - Awards Committee (September 2018-2019): members evaluate the faculty members to nominate for various awards.
 - Graduate appeal committee (2013–2018): members evaluate appeals submitted by graduate students for various academic matters.
 - Graduate admission committee (2014–2019): member evaluate various issues related to graduate admission.
 - Member of examination and degree committee (2010–2013): member evaluating the conditions/requirement for degree completions.
 - Informal evaluations (through attending dinner) for faculty hiring (three geotechnical candidates) in 2014
 - Informal evaluations (through one-to-one meeting) for faculty hiring (two candidates for joint appointment between Civil and CGEN) in 2019
 - Member of tenure reading committee of a Faculty member of Civil & Mineral Engineering in 2017
- Associate Member, University of Toronto Transportation Research Institute (UTTRI) (2013–present)
- Associate Member, Innovative Mobility Lab (IML) of School of Cities, University of Toronto (2021- present)

- Associate Member, Urban Transportation Research and Advancement Centre (UTRAC): 2010–2013
- Member of Ontario Graduate Scholarship (OGS) application selection committee (2012): I evaluate OGS applications.
- Ph.D. Comprehensive Examination Committees:
 - Ahmed Osman Idris (2010); Kasra Razaee (2011); Siva Srikukentrian (2011); Tamer AbdulAzim (2011); Toka Mostafa Muhammad (2012); Aya Aboudina (2012); Chris Bachmann (2012); Samah El-Tantawy (2012); Leila Dianat (2012); Sarah Salem (2012); Shabnam Mustari (2013); Alaa Sindi (2014); Adam Weiss (2014); Saidal Akbari (2014), Taha Islam (2015), Zohreh Rashedi Ashrafi (2015); Sina Bahramani (2016); Sami Hasnine (2016); Ayad Hammadi (2016); Wenxun-Ariel-Hu (2017); Gozde Ozondar (2017); Taras Romancyshyn (2018); Jason Hawkins (2018); Tufayel Chowdhury (2018); Lina El-Murshedi (2018); Sanjana Hossain (2019); Md Faizus Salehin (2019); Usman Ahmed (2020); Farrah Ghizzawi (2021); Patrick Loa (2021); Chandler White (2022); Feras El-Said (2022);
- Ph.D. Dissertation Committees (Departmental and SGS Examinations):
 - Mahmoud Osman (2011); Rinaldo Cavalcante (2012); Samah El-Tantawy (2012) Brice Sherman (2014); Kasra Razaee (2014); Glareh Amirjamshidi (2014); Siva Srikukenthiran (2015); Saral Salem (2016); Tamer AbdulAzim (2016); Toka Mustafa Muhammad (2017); Adam Weiss (2017); Saidal Akbari (2018); Islam Kamel (2018); Sami Hasnine (2019); Sina Bahrami (2019); Ran Tu (2020)
- Chair of Comprehensive Examination Committees:
 - Reza Ahani (Concrete Materials: 2012); Michael Colalillo (Structure: 2012); Sara Sadreddini (Env.: 2013); Bangbiao Wu (Geotech: 2014); Ding Wang (Env.: 2014); Qi Zhao (Geotech: 2015); Runxioa Zhang (Concrete: 2015); Giorgio Proestos (Structure: 2016), Seyedfarid Mirahadi (Geoscience: 2017); Pedram Mortazavi (Structure: 2018); Sharon Mondair (Water Resource: 2018); Amirreza Mahpour (Construction: 2019); Kelsey Smith (Water/Environment: 2020)
- Chair of Departmental Ph.D. Examination Committees:
 - Li Hong Shen (Env.: 2010); Trevor Hrynyk (Structural: 2012)
- Chair of SGS Ph.D. Examinations:
 - Jason Zebchuk of ECE (August 2013); Omair Noor of Chemistry (April 2015); Seyed Mahdi Hamidinejad of Industrial Engineering (Dec 2018); Murtaza Hassan of Chemistry (2021)
- Masters Thesis Second Reader/Reviewer:
 - Joshua Wang (2011); Malvika Rudra (2014); Alexander Lee (McGill University, 2015); Yiwei Yang (2015); Stephanie Pham (2017); Sirui Zhu (2017); Gregory Lue (2017); Bo Wang (2020)
- Member of Faculty Council, Faculty of Applied Science and Engineering, University of Alberta: 2008–2010
- Member of the departmental council of the Dept. of Civil & Env. Engineering, University of Alberta: 2008–2010
 - Transportation Engineering Group Coordinator: 2008–2010
 - Member of Academic Planning Committee: 2008–2010

SERVICES: EXTERNAL DEPARTMENTS & UNIVERSITIES

- Tenure Committees:
 1. Member of reading committee of Tenure evaluation for 1 faculty member of the Department of Geography and Planning, University of Toronto Scarborough. Nov 2019
 2. A reviewer of the tenure application of 1 faculty member of the Department of Civil & Environmental Engineering of American International University of Beirut, Lebanon. Dec 2019

- Ph.D. External Examiner of Other University Students
 - A. Masoud (2021). Ph.D. Thesis “A Suit of Neighbourhood Design Evaluation Tools to Help Sustain a Desired Quality of Life”. UBC Okanagan, Canada.
 - M. Harikrishna (2012). Ph.D. Thesis “Behavioural modelling of leisure travel”. Department of Civil Engineering. Indian Institute of Technology Roorkee
 - K. Narayan (2014). Ph.D. Thesis “Impact of integration of transport system on modal shift”, Department of Civil Engineering, Anna University, India
 - M. Lutfur Rahman (2017). Ph.D. Thesis “Modelling flyover induced travel demand in Dhaka, Bangladesh”. Department of Civil Engineering and Built Environment. Queensland University of Technology, Australia
 - S. Jian (2017). Ph.D. Thesis “Understanding and optimizing Carsharing system”. School of Civil and Environmental Engineering, University of New South Wales
 - B. Sharma (2018). Ph.D. Thesis “Strategic Approach in Analyzing the Demands for Park-and-Ride Facilities”, School of Civil Engineering, Faculty of Engineering, Architecture and Information Science. University of Queensland
 - Y. Mingzhu (2019). Ph.D. Thesis “Modelling household’s long-term mobility and residential decisions and short-term time use/travel choices: group decision-based approach”. Department of Geography. Hong Kong Baptists University
 - R. Krueger (2019). PhD Thesis “Mixture Model of Travel Demand Analysis”. School of Civil & Environmental Engineering. University of New South Wales, Australia

EXTERNAL PROFESSIONAL ORGANIZATION/GROUPS

- Member of Transportation Information Steering Committee (TISC) for organizing Regional Household Travel Survey in the Greater Toronto and Hamilton Area (GTHA): 2016-Present
- Member of 2016 Transportation Tomorrow Survey (TTS) Technical Advisory Committee (TAC): 2016-2017
- Member of Technical Advisory Committee of Data Management Group (DMG), the University of Toronto. 2015-Present
- Member of Technical Advisory Committee of Travel Modelling Group (TMG), the University of Toronto. 2010-Present
- Member of Travel Demand Modelling (TDM) Coordination Board of Ontario, Metrolinx: 2012–2018

CONFERENCE / WORKSHOP ORGANIZATION

Workshop Moderator: “Virtual Activities, Travel Behavior and Demand Management in a Post-Pandemic Era”. Jan 13, 2022, Washington DC

Session Chair: “Depth and Breadth of COVID-19 Impacts on Travel Behavior” Annual Meeting of Transportation Research Board (TRB), Jan 11, 2022, Washington DC

Session Chair: “Sharing Economy and its Impacts” Annual Meeting of Transportation Research Board (TRB), Jan 13, 2020, Washington DC

Session Chair: “Advances in Travel Behaviour Analysis” Annual Meeting of Transportation Research Board (TRB), Jan 14, 2019, Washington DC

Session Chair: “Advances in Travel Behavior Analysis” Annual Meeting of Transportation Research Board (TRB), Jan 10, 2018, Washington DC

Session Chair: “Spatio-Temporal Choice” 15th International Association of Travel Behaviour Research (IATBR), July 15-20, 2018, Santa Barbara, California

Member of paper review committee (reviewed 13 abstracts) of 15th International Association of Travel Behaviour Research (IATBR), July 15-20, 2018, Santa Barbara, California

Member of program/organizing committee: 11th International Conference on Travel Survey Method: Transportation Survey Method in the Era of Big Data, Sep 24-29, 2017, Quebec, Canada

Chair of the Workshop on “The State of Practice in Household Travel Survey” 11th International Conference on Travel Survey Method: Transportation Survey Method in the Era of Big Data, Sep 24-29, 2017, Quebec, Canada.

Chair of the organizing committee of the 4th Trottier Symposium on Sustainable Engineering, Energy, and Design: “Transportation: What’s Fueling the Transition”. April 11-12, HEC Montreal.

Organizer and moderator: “Workshop 1 – Transportation and Energy Demand: Role of Evidence-based Analysis in Planning and Policy Implementations”. April 11, HEC Montreal

Chair and organizer of the workshop on “Field Testing of Travel Survey” for the Data Management Group (DMG) to MTO, Nov 23, 2016, Toronto

Session Chair: ‘Behavioural Process’, Annual Meeting of Transportation Research Board (TRB), Jan 10, 2017, Washington DC

Session Chair: “Methodological Advances in Travel Behaviour Research Part I”, Annual Meeting of Transportation Research Board (TRB), Jan 11, 2016, Washington DC

Organizer and Speaker of the workshop on “Emerging Issues in Household Travel Survey that Require Pilot Testing” Organized by the Data Management Group (DMG), University of Toronto, Toronto, Canada, Nov 25, 2015

Organizer and Speaker of the workshop on “Research and Development for Survey Methods of Household Travel Surveys in the Greater Toronto and Hamilton Areas” for the Data Management Group (DMG), University of Toronto, Toronto, Canada, June 19, 2015

Organizer and Speaker of the workshop on “Travel survey methods issues and options for the Greater Golden Horseshoe”. Organized by the Data Management Group (DMG), University of Toronto, Toronto, Canada, October 3, 2014.

Organizer and Speaker of the 1st Research Day of The University of Toronto Transportation Research Institute (UTTRI) on “Advanced in modelling methods”. University of Toronto, Toronto, Canada, November 25, 2013.

Scientific Committee Member of the 2nd International Conference on Civil, Offshore and Environmental Engineering, Kuala Lumpur, Malaysia, June 3–5, 2013.

Scientific Committee Member of the 2nd International Conference on the Sustainable Systems and Environment, Sharjah, United Arab Emirates, February 12–13, 2013

International Program Committee Member of the 24th International Association of Science and Technology for Development (IASTED) Conference on Modelling and Simulation, Banff, Canada, July 17–19, 2013.

Technical Paper Reviewer of World Congress of Transportation Research (WCTR) conference, Rio De Janeiro, Brazil, July 15–18, 2013.

Session Chair, Session S27, “Route choice: Data and model”. July 17: 11:00 am–12:30 pm, Room-York, Royal York Hotel, 13th IATBR Conference, Toronto, Canada, 2012.

Session Chair, Session S6, “Car ownership: Model”. July 16: 11:00 am–12:30 pm, Room-Manitoba, Royal York Hotel, 13th IATBR Conference, Toronto, Canada, 2012.

Session Chair, Session 669, “Methodological advances in activity and travel modeling”. January 24: 7:30 pm–9:30 pm, Hilton, Columbia Hall 8, TRB Annual Meeting, Washington DC, USA, 2012.

Organizer and opening speaker, a workshop on “Recent advances in choice modeling: theoretical developments and practical applications”. January 22: 9:00 am–12:00 pm, TRB Annual Meeting, Washington DC, USA, 2012.

Session Chair, Session 710, “Automobile ownership decision making and modeling”. January 25, 8:30 am–10:15 am, TRB Annual Meeting, Washington DC, USA, 2012.

Member of the organizing committee of 13th International Association for Travel Behaviour Research Conference, Toronto, Canada, 2012.

Member of the International Scientific Committee. 9th International Transportation Specialty Conference. Organized by the Canadian Society of Civil Engineering. Edmonton, June 6–9, 2012.

Member of the Greater Toronto and Hamilton Area, Travel Demand Management Coordination Committee (March 2011–To date).

Organizing Committee Member, ITE-CSCE joint Symposium on Sustainable Transportation (Edmonton, Canada, March 2009).

Session Organizer, 12th Annual Conference of Intelligent Transportation Systems Society of Canada (Edmonton, Canada, May 2009).

Technical Committee Member, Alberta Traffic Safety Committee of Ministry of Transportation Alberta (2008–2010).

Technical Committee Member, Traffic Safety and Transportation Planning, City of Edmonton (2008–2010).

Advisor, ITE Student Chapter, University of Alberta (2008–2010).

Scientific Committee Member, International Symposium and Workshop on Sustainable Transport for Developing Countries, September 2008, Dhaka, Bangladesh.

President, Institute of Transportation Engineers Chapter at the University of Toronto (2005–2007).

General Secretary, Institute of Transportation Engineers Chapter at the University of Toronto (2005–2006).

Activity Coordinator, Civil Engineering Graduate Student Association, University of Toronto (2005–2007).

Workshop Organizer, Student Caucus of Major Collaborative Research Initiatives (MCRI), University of Toronto (2005).

Workshop Organizer, Professional Practice, and Academic Research in Civil Engineering, University of Toronto (2005).

Workshop Organizer, Bridging the Gap between Theory and Practice: Example of Large-Scale Civil Engineering Constructions (Airport), University of Toronto (2005).
Conference Volunteer, IEEE - ITSC Conference, 2006.

PEER REVIEWING PROJECT PROPOSALS AND COMPETITION APPLICATIONS

- Canada Foundation of Innovation (CFI) John R. Evans Leaders Fund Competition (2018)
- C-TEP Annual Research Project Competition (1 proposal)
- Engineering and Physical Sciences Research Council (EPSRC), UK's Research Grant Application (1 Proposal)
- FONDECYT program, Government of Chile (2 proposals)
- Hongkong Research Grant Council (RGC) (8 proposals)
- IATBR 2013 Eric I Pass Ph.D. Dissertation Award Competition (3 reviews)
- Internal Research Grant program of the City University of New York (1 proposal)
- Khalifa University of Science and Technology, Qatar Research Program (5 proposals)
- King Fahd University Research Program (2 proposals)
- Kuwait Foundation of Advance Sciences (3 Proposals)
- Member of MITACS College of Reviewers (COR): 2012–Present
- MITACS Elevates Program Application for Post Doctoral Fellowship (2 proposals)
- MITACS Accelerate Program Application for Post Doctoral Fellowship (1 proposal)
- Netherlands Organization for Scientific Research (NWO) (2 Proposals)
- NSERC Discovery Grant Application (8 proposals)
- NSF Peer Review of Proposal on Methodology (1 proposal)
- ORTEC: Oregon Transportation Research and Education Consortium (1 proposal)
- Ontario Research Fund (ORF) Early Researcher Awards (ERA) (15 proposals)
- Qatar National Research Fund: QNRF Program (8 proposals)
- SSHRC Insight Grant (1 Proposal)
- Swiss National Science Foundation Research Grant Program (6 proposals)
- University of Sharjah Research Grant (1 proposal)
- Urban Transportation Showcase Program, Transport Canada (2008–2009)
- UofT Climate Positive Energy Initiative Research Proposals (5 proposals)
- Vernieuwingsimpuls Innovational Research Innovation Scheme Grant Proposal, Government of the Netherlands (1 proposal)

PEER REVIEWING JOURNAL PAPERS & BOOK PROPOSALS:

Journal Papers:

- Annals of Tourism Research (1 paper)
- Applied Spatial Analysis and Policy (1 paper)
- ASCE Journal of Construction Engineering and Management (1 paper)
- ASCE Journal of Transportation Engineering (1 paper)
- ASCE Journal of Urban Planning and Development (7 papers)
- Big Data Analytics (1 paper)
- Canadian Journal of Civil Engineering (2 papers)

- Case Studies on Transport Policies (5 papers)
- Computers, Environment and Urban Systems (1 paper)
- Economic Analysis and Policy (1 paper)
- Environment and Planning A (1 paper)
- European Journal of Transport and Infrastructure Research (2 papers)
- Geographical System (1 paper)
- IATBR Special Issues (6 papers)
- International Journal of Environmental Science and Technologies (1 paper)
- International Journal of Sustainable Transportation (6 papers)
- International Journal of Urban Science (1 paper)
- Journal Advanced Transportation (4 papers)
- Journal of (1 paper)
- Journal of America Planning Association (1 paper)
- Journal of Choice Modelling (6 papers)
- Journal of Geographical System (1 paper)
- Journal of Intelligent Transport (1 paper)
- Journal of Planning Education and Research (2 papers)
- Journal of Regional Science (1 paper)
- Journal of Retailing and Consumer Services (1 paper)
- Journal of Transport Geography (10 papers)
- Journal of Transportation and Land Use (8 papers)
- Journal of Urbanism (1 paper)
- Journal of Urban Planning and Development (1 paper)
- Land Use and Planning (1 paper)
- Public Transport (1 paper)
- Network and Spatial Economics (1 paper)
- Professional Geographer (1 paper)
- Research in Transport Economics (2 papers)
- Scientific Data of Springer Research (2 papers/Datasets)
- Socio-economic Planning Science (1 paper)
- Transaction on Intelligent Transportation Systems (1 paper)
- Transport Policy (10 papers)
- Transport Reviews (1 paper)
- Transportation (25 papers)
- Transportation Letters (14 papers)
- Transportation Planning and Technologies (2 paper)
- Transportation Research Part A (43 papers)
- Transportation Research Part B (9 papers)
- Transportation Research Part C (9 paper)
- Transportation Research Part D (8 paper)
- Transportation Research Part E (5 papers)
- Transportation Research Record: Journal of Transportation Research Board (numerous until 2020+1 paper)
- Transportmetrica Part A (23 papers)

- Transportmetrica Part B (7 papers)
- Urban Planning and Transportation Research (2 papers)

Book Proposal for the Publishers:

- “Shared Mobility, Transportation, Transportation Network Companies, Shared Economy”, Elsevier, 2019
- “Transportation Research Proceedings of the ISCTSC Quebec Conference”, Elsevier, 2018
- “Transportation Engineering”, Taylor and Francis, 2015
- “Transportation Demand Modelling”, Elsevier, 2016
- “Global Logistic Network Modelling and Policy Simulations”, Elsevier, 2017
- “The Mixed Methods Research Workbook: Activities for Designing, Implementing and Publishing Projects”, Sage Publishing, 2017
- “Transport System Optimization: Models and Application”, Elsevier 2017
- “Urban Parking Policy”, Elsevier 2017