

CURRICULUM VITAE

Khandker M. Nurul Habib, Ph.D., P.Eng.

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

Rank: Associate Professor
Status: Tenured
SGS Status: Full Member
Personal: Born in 1976 in Bangladesh. Married.
Citizenship: Canadian

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ACADEMIC HISTORY

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

ADVANCED TRAINING

- Post Doctoral Fellow, Joint Program in Transportation, University of Toronto
Duration: June 2007–April 2008
Supervisor: Professor Eric J. Miller

EMPLOYMENT HISTORY

- 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
- Post Doc. 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, Statec
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:

- *Yonge-Eglinton Transportation Assessment* with Stantec for the City of Toronto 2017-2018
- *Transit Planning: State of the Art* for 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

- Associate Editor of *Transportation Letters* (April 2017-to date)
- Member of Editorial Board of
 - *Transportation Letters* (Aug 2016-to date)
- Paper Review Coordinator of *ADB10: Travel Behaviour and Values Committee* of Transportation Research Board (TRB) for
 - 96th Annual Meeting of TRB, 2017
 - 95th Annual Meeting of TRB, 2016
- Guest Editor
 - (with Dr. Stacy Bricka), *Transportation* Special Edition on 94th Annual Meeting of Transportation Research Board, 2015.
 - (with Dr. Abdul Pinjari), *Transportation Research Part B: Methodology* 2013 Special Edition on the Selected Articles from 13th Conference of the International Association of Travel Behaviour Research. Published in December 2013.

PROFESSIONAL / ACADEMIC AFFILIATIONS

- S1. Licenced Professional Engineer, Professional Engineers Ontario (PEO): 2010–Present
- S2. Licenced Professional Engineer, Association of Professional Engineers, Geologists, and Geoscientists of Alberta (APEGGA): 2009–2010
- S3. Member of the TRB Standing Committee on Traveler Behavior and Values (ADB10): 2014–2017
- S4. Committee Research Coordinator (CRC) of ADB10: 2016–2017
- S5. Member of the TRB Committee on Telecommunication and Traveler Behaviour (ADB20): 2010–2016
- S6. Friend of the TRB Committee on Transportation Demand Forecasting (ADB40): 2010–Present
- S7. TRB University of Toronto Representative: 2012–Present
- S8. TRB University of Alberta Representative: 2012–Present
- S9. Member of the Transportation Research Board (TRB): 2006–Present
- S10. Student Chapter (University of Toronto) Faculty Advisor: Institute of Transportation Engineers (ITE): 2012–Present

- S11. Student Chapter (Univ. of Alberta) Faculty Advisor: Institute of Transportation Engineers (ITE): 2008–2010
- S12. Faculty Member of Galbraith Society of Engineering Student Mentorship Program, University of Toronto: 2012–Present
- S13. Member of the Transportation Association of Canada (TAC): 2010–Present
- S14. Member of the International Association of Travel Behaviour Research (IATBR): 2006–Present
- S15. Member of the Canadian Transportation Research Forum (CTRF): 2006–Present
- S16. Member of World Society for Transportation and Land Use Research (WSTLU): 2013–Present
- S17. Member of Regional Science Association International (RSAD): 2004–Present

ACADEMIC ACHIEVEMENTS AND AWARDS

- 2016: Trottier Fellow (Transport Energy), Institut de Energie Trottier, Canada
- 2016: Dean’s Special Merit Pool Award, Faculty of App. Science & Eng., Univ. of Toronto
- 2016: ‘Certificate of Appreciation’ from Transportation Research Board, Washington DC.
- 2015: Dean’s Special Merit Pool Award, Faculty of App. Science & Eng., Univ. of Toronto
- 2014: Dean’s Special Merit Pool Award, Faculty of App. Science & Eng., Univ. of Toronto
- 2013: Minister’s Award for Transport (Process) Innovation, Alberta Ministry of Transport.
- 2012: Transportation Association of Canada Educational Achievement Award
- 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

GRANTS, CONTRACTS, AND OTHER FUNDING CURRENTLY HELD

Ref	Funding Source	Title	Cash Value (+ in kind) - Funding type	Years	Role
10	Dean’s Strategic Fund	iCity Automated Transportation Centre (iCity-ATC)	\$145,000 +\$145,000 +\$145,000	2017 - 2020	Co-I
9	NSERC Engage with ARUP	Application of Discrete Choice Modelling for Quantifying Accessibility to Jobs by Transit in Toronto	\$25,000	2017	PI

8	National Capital Region, Canada	Design of Survey and Data Collection Program for Active Mode in Ottawa	\$70,000	2016 - 2017	PI
7	Development Bank of Latin America	i-City South: An Integrated Data Collection and Travel Demand Framework for the City of Montevideo of Uruguay	\$105,000	2016 - 2018	Co-PI with Eric J. Miller
6	Ministry of Research & Innovation, Ontario Research Fund (ORF) Research Excellence Round 7	iCity: Urban Informatics for Sustainable Metropolitan Growth Sponsor/Program	\$1,482,720 per year for 5 years	2015 - 2019	Co-PI with E. Miller and 13 other CO-PIs
5	Metrolinx	Travel Demand and Pattern Analysis for Planning Transit Oriented Developments (TODs) and Mobility Hubs in the GTHA	\$85,000-Contract	2015 - 2016	Co-PI with A. Shalaby
4	TISC	TTS2.0: An R&D program to develop the next generation passenger travel survey methods for the Greater Golden Horseshoe	\$999600-Contract	2015 - 2018	Co-PI with E. Miller
3	TISC	Travel Modelling Group (TMG): R&D of Demand Modelling	Contract 2016-2017: \$234,411.06 2017-2018: \$238,566.07 2018-2019: \$246,687.29	2015 - 2016 - 2019	Co-PI with E. Miller
2	NSERC DG	Data augment for integrated activity travel demand microsimulation	\$140,000-Grant	2014 - 2019	PI
1	CFI LOF and ORF	Integ. Instrumented veh. lab. for on-road experiments	\$399,544-Grant	2012 - 2017	Co-PI with B. Donmez

Acronyms:

CoI: Co-Investigator; Co-PI: Co-Principal Investigator; PI: Principal Investigator; DG: Discovery Grant; Eng.: Engage Grant; ERA: Early Researchers Award; TDM: Travel Demand Management; LOF: Leaser's

Opportunity; MEDI: Ministry of Economic Development and Innovation; ORF: Ontario Research Fund

GRANTS, CONTRACTS, AND OTHER FUNDING PREVIOUSLY HELD

Ref.	Funding Source	Title	Cash Value (+ in kind)	Years	Role
27	NSERC Engage-STANTEC	Developing Sidewalk Rating Model	\$25,000	2016	PI
26	Scout Environment	Evaluating Effects of Training on Driving Efficiency	\$8000	2016	PI
25	City of Edmonton	Continuous Travel Survey: Feasibility and Practicality	\$24,999	2015-2016	PI
24	ERA-MEDI	Modelling travel adaptation in case of increasing fuel cost	\$190,000 - Grant	2012–2016	PI
23	Metrolinx	Effectiveness of Employer-Based Travel Demand Management (TDM) Program: Evidence from SmartCommute Travel Survey Datasets	\$9,800	2016	PI
22	NSERC Engage-PARADIGM Inc.	Modelling the Impacts of Employer-based TDM strategies on Daily Activity-Travel Demand	\$25,000 (+\$1,600)	2015-2016	PI
21	NSERC Engage-ADVANIS	Modelling Home Location Choices in the GTHA	\$25,000 (+\$1,600)	2015	PI
20	Waterfront Toronto	Sustainable communities data portal	\$40,000 - Contract	2014–2015	Co-PI with E. Miller
19	Region of Peel	Developing TDM evaluation tool	\$55,000 - Contract	2014–2015	PI
18	NSERC Eng. - City of Toronto	Effects of trans. Sys. performance and weather on bike sharing demand	\$25,000 – Grant (+\$1600)	2014	PI
17	Dean's Strategic Fund	Establishment of Univ. of Toronto Transportation Research Institute	\$200,000 - Grant	2013–2015	Co-PI with E. J. Miller
16	Metrolinx	Modelling commuting mode choice of cross-regional commuters	\$50,666 - Contract	2013–2015	Co-PI with A. Shalaby

15	NSERC Eng. - 407 ETR	Modelling travel elastic measures for the residences of GTHA	\$25,000 – Grant (+\$1600)	2013	PI
14	Summerhill Impact and OCE	Effects of incentives in driving behaviour	\$7,500 - Contract	2012– 2013	PI
13	CTRF	Assessing truck parking effects on traffic congestion	\$15,000 - Grant	2012– 2013	Co-PI with PI M. Roorda
12	Hajj Research Institute, KSA	Makkah travel demand model: Conceptual framework and data need	\$143,080 - Grant	2011– withheld	Co-PI with PI A. Shalaby
11	NSERC DG Supplement	Process oriented dynamic travel demand model	\$5,000 - Grant	2011– 2012	PI
10	Metrolinx	Accessibility - a land use and transportation performance measure	\$73,700 - Contract	2011– 2012	CoI with PI A. Geneidy
9	Metrolinx and Other Planning Agencies	Establishing Travel Modelling Group (TMG)	\$150,000 - Contract	2011– 2012	Co-I with PI E. Miller
8	C-TEP	Investigating mode switching behaviour in Calgary	\$25,000 - Grant	2011– 2012	Co-I with PI L. Kattan
7	NSERC Eng. -COMB	Traffic O-D model for measuring out-of-home advertisement effects	\$25,000 – Grant (+\$1600)	2011	PI
6	Univ. of Toronto SG	Next generation travel demand models	\$70,000 - Grant	2010– 2012	PI
5	NSERC Eng. - Auto Share	Users' behaviour of a carsharing program	\$23,800 – Grant (+\$1600)	2010– 2011	PI
4	Toronto Atmospheric Fund	Data and modelling need for weekend travel demand	\$10,000 - Grant	2010	PI
3	NSERC DG	Process oriented dynamic travel demand model	\$95,000 - Grant	2009– 2014	PI
2	C-TEP	Modelling drivers' en-route decision under variable message signs	\$80,000 - Grant	2009– 2010	PI with Co-PI L. Kattan
1	Univ. of Alberta SG	Econometric modelling of travel demand and land use	\$75,000 - Grant	2008– 2010	PI

Acronyms:

AF: Atmospheric Fund; CoI: Co-Investigator; Co-PI: Co-Principal Investigator; PI: Principal Investigator;

COMB: Canadian Outdoor Marketing Bureau; C-TEP: Centre for Transportation Engineering and Planning; CTRF: Canadian Transport Research Forum; DG: Discovery Grant; Eng.: Engage Grant
KSA: Kingdom of Saudi Arabia; OCE: Ontario Centres of Excellence; SG: Start-up Grant

GRANTS, CONTRACTS, AND OTHER FUNDING APPLIED FOR

Ref.	Funding Source	Title	Cash Value (+ in kind)	Years	Role
3	NSERC CRD with Stantec	Development of a Practical Tool to Assess Transportation Impacts of Urban Developments in Toronto	\$30,000	2017	PI
1	MTO HIF	Predicting Changes in Traffic Demand in Context of Autonomous Vehicle Systems	\$113,750	2017-2018	PI

PART 2 – RESEARCH PRODUCTS

Peer reviewed journal papers: Published/Forthcoming	83
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Peer reviewed (full paper) conference presentations	72
Peer reviewed (abstract only) conference presentations	68
Invited Presentations/Lectures	30
Technical report	35

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

Journal Papers Published or in Press:

83. Habib, K.M.N., Hui, V. 2016. “An activity-based approach of investigating travel demand of older people: Application of a time-space constrained scheduling model for older people in the National Capital Region (NCR) of Canada”. *Transportation* 44: 555-573
82. Hui, V., Habib, K.M.N. 2017. “Homelessness vis-à-vis Transportation Induced Social Exclusions: An Econometric Investigation of Travel Behaviour of Homeless Individuals in Toronto”. *Transportation Research Record* (Forthcoming)
81. Dianat, L., Habib, K.M.N., Miller, E.J. 2017. “A two-level weeklong dynamic work activity scheduling model”. *Transportation Research Record* (conditionally accepted)
80. Rashedi, Z., Hasnine, S., Mendonca, M., Habib, K.M.N. 2017. “Ex-ante and ex-post evaluation of smart commute strategies in the GTHA: Comparison of aggregate and disaggregate approaches”. *Transportation Research Record* (Forthcoming)
79. Weiss, A., Habib, K.M.N. 2017. “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”. *Transportation Research Record* (Forthcoming)
78. Hasnine, S., Weiss, A., Habib, K.M.N. 2017. “An SP pivoted on RP survey for evaluating employer-based travel demand management strategies: A case for the Region of Peel, Ontario”. *Transportation Research Record* (Forthcoming)
77. 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”. *Transport Geography* 59: 111-119
76. Habib, K.M.N., El-Assi, W., Hasnine, S., Lamers, J. 2017 “Daily activity-travel behaviour of non-workers in the National Capital Region (NCR) of Canada”. *Transportation Research Part A* 97:1-16
75. **Habib, K.M.N.** 2016. “Can we improve choice model parameter estimates by jointly modelling the SP choices with corresponding elicited confidence ratings?” *Transportation Research Part A* 95:305-319
74. Louie, J., Shalaby, A. Habib, K.M.N. 2017. “Modelling disruption duration for Toronto’s subway system: An empirical investigation using the Hazard model”. *Accident Analysis and Prevention* 98: 232-240
73. Li, L., Hasnine, S., Habib, K.M.N., Shalaby, A., Persaud, B. 2016. “Investigating the interplay between the attributes of at-fault and not-at-fault drivers and the associated

- impacts on crash injury occurrence and severity level”. *Transportation Safety & Security* (Forthcoming)
72. Aboudina, A., Abdelgawad, H., Abdulhai, B., Habib, K.M.N. 2016. “Dynamic congestion pricing in large networks: Modelling approach and a case study on the Greater Toronto Area”. *Transportation Research Part A* 94: 411-430
71. Mahmoud, M., Weiss, A., Habib, K.M.N. 2016. “Latent captivation and mode culture? An investigation into mode choice preference structures in competitive modal arrangements (multimodal urban areas)”. *Canadian Journal of Civil Engineering* 43:420-428
70. Ruitz, T., Habib, K.M.N. 2016. “Scheduling decision styles on leisure and social activities”. *Transportation Research -Part A* 88: 304-317
69. Hasnine, S., Weiss, A., Habib, K.M.N. 2016. “Development of an employer-based TDM strategy evaluation tool with and advanced discrete choice model in its core”. *Transportation Research Record* 2542: 65-74
68. El-Assi, W., Mahmoud, M., Habib, K.M.N. “Effects of built environment and weather on bike sharing demand: Station level analysis of commercial bike sharing in Toronto”. *Transportation* (Forthcoming)
67. Habib, K.M.N., Bricka, S. 2015. Capturing, measuring and responding to changes that influence travel behaviour. *Transportation* 42:915-917
66. García-Garcés, P., Ruiz, T., Habib, K.M.N. 2016. “Effect of travel behaviour change programs on time allocated to driving”. *Transportmetrica A* 12(1):1-19
65. Wong, B., Habib, K.M.N. “Effects of accessibility to the stations on intercity travel mode choices in contexts of high speed rail in Windsor-Quebec Corridor”. *Canadian Journal of Civil Engineering* 42: 930-939
64. Akbari, S., Habib, K.M.N. 2015 “Home location and commuting tradeoffs of two-commuter households: The case of the National Capital Region (NCR) of Canada”. *Transportmetrica Part A* 11(10): 897-917
63. Salem, S., Habib, K.M.N. “Use of Repeated Cross-sectional Travel Surveys to Develop a Meta Model of Activity-Travel Generation Process Models: Accounting for Changing Preference in Time Expenditure Choices”. *Transportmetrica Part A* 11(8): 729-749
62. Idris, A.O., Habib, K.M.N., Shalaby, A. 2015. “Evaluating transit ridership over estimation in mode shift modelling”. *Transportation Research Part A* 78:551-565
61. Wenneman, A., Roorda, M., Habib, K.M.N. 2015. “A disaggregate analysis of the relationship between commercial vehicle parking citation, parking supply, and parking demand”. *Transportation Research Record* 2478: 28-34
60. Mahmoud, M., Habib, K.M.N., Shalaby, A. 2015. “Survey of cross-regional intermodal passenger travel (Script): A joint RP/SP survey integrated with multimodal trip planning tool” *Transportation Research Record* 2526: 108-118
59. AbdulAzim, T., Abdelgawad, H., Habib, K.M.N., Abdulhai, B. 2015. “A framework to automate travel activity recognition using land use data: The case of four-square in the Greater Toronto and Hamilton Area (GTHA)”. *Transportation Research Record* 2526: 136-142.
58. Idris, A.O., Habib, K.M.N., Tudela, A., Shalaby, A. 2015. “Investigating the effects of psychological factors on commuting mode choice preferences”. *Journal of Transportation Planning and Technologies* 38(3): 265-276.

57. Mitra, R., Papaioannou, E., Habib, K.M.N. 2016. “The past and the present of active school transportation: An exploration of the built environment effects in Toronto, Canada from 1986–1996”. *Journal of Transportation and Land Use* 9(2): 1-17.
56. Habib, K.M.N., Mann, J., Mahmoud, M., Weiss, A. 2015. “Synopsis of bicycle demand in the City of Toronto: Application of an integrated econometric model with latent variables”. *Transportation Research Part A: Policy and Practice* 70: 67-80.
55. Akbari, S., Habib, K.M.N. 2015. “Oil vulnerability in the Greater Toronto Area: Spatial analysis of socioeconomic risks from higher fuel prices”. *International Journal of Environmental Science and Technology* 11: 2347-2358.
54. Imaz, A., Habib, K.M.N., Shalaby A., Idris, A.O. 2015. “Investigating the factors affecting transit user loyalty”. *Public Transport* 7(1): 39-60
53. Weiss, A., Mahmoud, M., Kucireck, P., Habib, K.M.N. 2014. “Issues and strategies involved in developing agent-based multimodal network simulation model for transportation planning: Lessons from a case study in the Greater Toronto and Hamilton Area”. *Canadian Journal of Civil Engineering* 41(10): 900-908.
52. Farber A., Bartholomew, K., Li, X., Paez, A., Habib, K.M.N. 2014. “Social equity in distance-based transit fares”. *Transport Research Part A: Policy and Practice* 67: 297–303.
51. Habib, K.M.N, Swait, J., Salem, S. 2014. “Using repeated cross-sectional travel surveys to increase forecasting robustness: Accounting for changing mode preferences”. *Transportation Research Part A: Policy and Practice* 67: 110–126.
50. **Habib, K.M.N.** 2015. “An investigation on mode choice and travel distance demand of older people in the National Capital Region (NCR) of Canada: Application of a utility theoretic econometric choice model”. *Transportation* 42: 143–161.
49. Habib, K.M.N., Weiss, A. 2014. “Evolution of modal captivity and mode choice for commuting trips: A longitudinal analysis by using cross-sectional datasets”. *Transportation Research Part A: Policy and Practice* 66: 39–51.
48. **Habib, K.M.N.** 2014. “Household level commuting mode choice, car allocation and car ownership level choice of two-worker households: The case of the City of Toronto”. *Transportation* 41(3): 651–672.
47. Idris, A.O., Habib, K.M.N., Shalaby, A. 2014. “Dissecting the role of transit service attributes in attracting commuter: Lessons from a comprehensive RP-SP study on commuting mode switching behaviour”. *Transportation Research Record* 2014: 107-117.
46. Mahmoud, M., Habib, K.M.N., Shalaby, A., 2014. “Park and ride access station choice model for cross-regional commuter trips in the Greater Toronto and Hamilton Area (GTHA)”. *Transportation Research Record* 2419(5):92-100.
45. Majumder, J., Kattan, L., Habib, K.M.N., Fung, T.S. 2013. “Travellers’ response to variable message sign”. *International Journal of Urban Studies* 17(2): 259-280.
44. Foresay, D., Habib, K.M.N., Miller, E.J., Shalaby, A. 2013. “The transferability of work trip mode choice models in an expanding suburban area: The case of York Region, Ontario”. *Transportmetrica* 10(6): 469-482.
43. Nourinejad, M., Wenneman, A., Habib, K.M.N., Roorda, M.J. 2014. “Truck parking in urban areas: Application of choice modelling within traffic microsimulation”. *Transportation Research Part A: Policy and Practice* 64: 54–64.

42. Habib, K.M.N., Morency, C., Trepanier, M., Salem, S. 2014. “Application of an Independent Availability Logit Model (IAL) for route choice modelling: Considering bridge choice as a key determinant of selected routes for commuting in Montreal”. *Journal of Choice Modelling* 9: 14–26.
41. Pinjari, A., Habib, K.M.N., Miller E.J. 2013. Editorial: Selected articles presented in 13th IATBR Conference. *Transportation Research Part B: Methodology* 58: 151–153.
40. Habib, K.M.N., Sasic, A. 2014. “A GEV model with scale heterogeneity to investigate mobility tool ownership and peak period non-work travel mode choices”. *Journal of Choice Modelling* 10: 46–59.
39. Moniruzzaman, M., Paez, A., Habib, K.M.N., Morency, C. 2013. “Mode use and trip length of seniors in Montreal”. *Journal of Transport Geography* 30: 89–99.
38. Habib, K.M.N., Sasic, A., Weis, C., Axhausen, K. 2013. “Investigating the nonlinear relationship between travel-activity scheduling and transportation system performances”. *Transportation Research Part A: Policy and Practice* 49: 342–357.
37. Habib, K.M.N., Han, X., Lin, W.H. 2013. “Joint modelling of propensity and distance for walk trip generation”. *Transportmetrica A: Transport Science* 10(5): 420–436
36. Sasic, A., Habib, K.M.N. 2013. “A heteroskedastic GEV model with cross-nested/overlapping choice set: Application in modelling commuting departure time choices in GTHA”. *Transportation Research Part A: Policy and Practice* 50: 15–32.
35. Habib, K.M.N., Mahmoud, M., Coleman, J. 2013. “Effect of parking charges at transit stations on park-and-ride mode choice: Lessons learned from a stated-preference survey in the Greater Vancouver, Canada”. *Transportation Research Record* 2351(2): 163–170.
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Refereed Journal Submissions under Review:

1. Habib, K.M.N. “A comprehensive utility-based system of travel options modelling (CUSTOM) considering dynamic time-budget constrained Potential Path Area (PPA) in activity scheduling process: Application in modelling worker’s daily activity-travel schedules”. (under the first review)
2. Papaioannou, E., Habib, K.M.N., “A study of CHOICE: Car and house ownership in the face of increasing commuting cost”. (under review)
3. 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 (under review)
4. Salem, S., Habib, K.M.N., “Use of repeated crosssectional travel surveys to develop a meta-model of activity-travel scheduling process”. (under review)

5. Weiss, A., Habib, K.M.N., “Intra-household interactions in peak period household travel demand: A joint econometric investigation to overcome missing data issue in revealed preference survey”. (under review)
6. Habib, K.M.N., Hasnine, S., “An econometric investigation on the influence of transit pass on transit user’s behaviour”. (under review)
7. Habib, K.M.N., “Modelling the choice and timing of driving license: Revelation from a hazard model applied to post-secondary students in Toronto”. (under review)
8. 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” (under review)
9. Srigoarkar, M., Habib, K.M.N. “Does lane design determine bicycling uptick for warm and all-seasons cyclists?” (under review)
10. 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” (under review)
11. Akbari, S., Mahmoud, M., Shalaby, A., Habib, K.M.N. “Empirical models of transit demand and walk access/egress for planning Transit Oriented Development (TOD) around commuter rail stations in the Greater Toronto and Hamilton Area”. (under review)
12. Hasnine, S., Lin, T., Weiss, A., Habib, K.M.N. “Is it the person or the urban context? The role of urban contexts in defining mode choices for school trips of post-secondary students in Toronto”. (under review)
13. Lin, T., Hasnine, S., Habib, K.M.N., “Influences of latent attitudinal factors on the level of multimodality of post-secondary students in Toronto”. (under review)

Refereed Journal Submissions under Preparation (core work done, writing underway):

1. Hasnine, S., Habib, K.M.N., Farber, S. “An economic evaluation of TDM strategies: A case study in the Region of Peel, Ontario”. *Research in Transport Economics*
2. Habib, K.M.N., Hasnine, S., Rashedi, Z. “Role of endogeneity between SP choice and corresponding elicited confidence ratings, inertia effects and socio-economic variables in the joint RP-SP choice models”.
3. Habib, K.M.N., El-Assi, W., Lin, T. 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. *Transportation* (conditionally accepted)
4. Akbari, A., Habib, K.M.N. “An empirical investigation of commuting trade-offs of two-worker households using stated preference survey: Using angle and distance to capture spatial configuration”.
5. Lamers, J., Weiss, A., Habib, K.M.N. “Household based models of day care utilization and day care location choice”.
6. Habib, K.M.N., Rashedi, Z., Hasnine, S. “Modelling second-based choice from choice-based sample: Revelation of potential mode switching behaviour from a hybrid GEV model”
7. Habib, K.M.N., Rashedi, Z., Hasnine, S., El-Assi, W., Mahmoud, M. “Simultaneous capturing of complementary/supplementary relationship in consideration set and flexible substitutions pattern in discrete choice: Application of elicited consideration set from SP surveys”.

8. Lamers, J., Farber, S., Habib, K.M.N., “Accessibility to commuting services in the City of Toronto: A measure of social exclusion”.
9. Mahmoud, M., Habib, K.M.N., Shalaby, A. “An application of RP/SP data for joint modelling of mode choice models: Lessons learned from an empirical investigation on cross-regional commuting trips in the Greater Toronto and Hamilton Area”.
10. Rashedi, Z., Hasnine, S., Mahmoud, M., Habib, K.M.N. “Exploiting the elicited confidence ratings of SP surveys for better estimates of choice model parameters: The case of commuting mode choices in a multimodal transportation system”.

BOOK CHAPTERS

3. Weiss, A., Kucireck, P., Habib, K.M.N. 2015. “Case Study: Toronto”. In A. Horni, K. Nagel and K. Axhausen (Eds), *The Multi-Agent Transport Simulation MATSim*, pages 553-554.
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1. Habib, K.M.N., Miller, E.J., Elgar, I. 2008. “Stress triggered a household decision to change dwelling: A comprehensive and dynamic approach”. In R. Kitamura and T. Yoshii (Eds.), *The Expanding Sphere of Travel Behaviour Research* pages 819–848, Emerald, UK.

CONFERENCE PAPERS (Underlined names indicate student co-authors)

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

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.
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.
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.
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.
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.

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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.
 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.
 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.
 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.
 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.
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 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.
 60. Shalaby, A., Habib, K.M.N., Lee-Gosselin, 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.
 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.
 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.
 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.
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 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.

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.
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.
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.
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.
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.
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”. Will be presented at the 95th Annual Meeting of Trans. Res. Board, January 10–14, 2016.
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.
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.
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.
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.
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.
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.
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.
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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
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.
 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.
 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 stated-preference survey in Greater Vancouver, Canada”. Presented at the 92nd Annual Meeting of Trans. Res. Board, January 13–17, 2013.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.
 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.

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.
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.
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.
9. Habib, K.M.N., Kattan, L., Islam, T. “Why do the people use transit? A critical investigation on Calgary transit users using latent discrete choice modelling”. Presented at the 88th Annual Meeting of Trans. Res. Board, January 11–15, 2009.
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.
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.
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.
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.
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.
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.
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.
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.

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

71. Chung, B., Srikukenthiran, S., Habib, K.M.N., Miller, E.J. “Development of a Web Survey Builder Platform for Household Travel Surveys”, to be presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
70. El-Assi, W., Morency, C., Habib, K.M.N., Miller, E.J. “Investigating the Capacity of Continuous Household Travel Survey in Capturing the Temporal Rhythm of Travel Demands”

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", to be presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
68. Harding, C., Srikukenthiran, S., Habib, K.M.N., Miller, E.J. "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", to be presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
67. Harding, C., Zhang, Z.T., Srikukenthiran, S. Habib, K.M.N., Miller, E.J., "On the User Experience and Performance of Smartphone Apps as Personalized Travel Survey Instruments: Results from an Experiment in Toronto", to be presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
66. Harding, C., Zhang, Z.T., Srikukenthiran, S., Habib, K.M.N., Miller, E.J. "An Experimental Study for Evaluating Smartphone Apps as Personalized Passenger Travel Survey Tools in Toronto", to be 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. to be presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017
64. Srikukenthiran, S., Lin, T., Habib, K.M.N. Miller, E.J., "Impact of a Multiple Survey Frames on Data Quality of Household Travel Surveys: The case of the 2016 Transportation Tomorrow Survey", to be presented at the 11th International Conference on Transport Survey Methods, Quebec, September 24-29, 2017.
63. Srikukenthiran, S., Lin, T., Habib, K.M.N. Miller, E.J. "Inverted Sampling Frames to overcome Under-Coverage of specific Population Cohorts: Examining the viability of recruiting households via employers and institutions", to be 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" to be 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., S. Salem. "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
57. Weiss, A., Habib, K.M.N., “Intra-household interactions in peak period household travel demand: A joint econometric investigation to overcome missing data issue in revealed preference survey”. Presented at the 14th IATBR Conference, July 19-23, 2015, Windsor, UK
56. Salem, S., Habib, K.M.N., “Use of repeated crosssectional travel surveys to develop a meta-model of activity-travel scheduling process”. Presented at the 14th IATBR Conference, July 19-23, 2015, Windsor, UK
54. Papaioannou, E., Habib, K.M.N., “A study of CHOICE: Car and house ownership in the face of increasing commuting cost”. Presented at the 14th IATBR Conference, July 19-23, 2015, Windsor, UK
53. Mahmoud, M., Habib, K.M.N., Shalaby, A. “Data fusion of revealed and stated preference information for joint estimation of mode choice models: A case study on cross-regional intermodal commuting trips in the Greater Toronto and Hamilton Area”. Presented at the 14th IATBR Conference, July 19-23, 2015, Windsor, UK
52. Wenneman, A., Roorda, M. Habib, K.M.N. “Commercial vehicle parking citations, parking supply, and parking demand: A case study in Toronto”. Presented at the 9th International Conference on City Logistic Conference, June 17-19, 2015, Tenerife, Canary Island, Spain
51. Mahmoud, M., El-Assi, W., Habib, K.M.N., Shalaby, A. “How active modes compete with motorized modes in high density areas: A case study of Downtown Toronto”. Presented at the 50th Annual Conference of Canadian Transport Research Forum (CTRF), May 24-26, 2015, Montreal, Canada
50. Li, L., Hasnine, S., Habib, K.M.N., Persaud, B. Shalaby, A. “Looking at a niche category of traffic fatality: Applying ordered probability model to identify influencing factors affecting pedestrian-cyclist injury severity in Toronto”. Presented at the 50th Annual Conference of Canadian Transport Research Forum (CTRF), May 24-26, 2015, Montreal, Canada
49. Miller, E.J., Lee-Gosselin, M., Habib, K.M.N., Roorda, M.J., Morency, C., Shalaby, A. “A framework of urban passenger data collection”. Presented at the 10th International Conference on Transport Survey Methods. Sydney, Australia, Nov. 16–21, 2014.
48. Weiss, A., Hasnine, M., Habib, K.M.N. “Travel demand management evaluation tool: Opportunity for evidence-based policy selection”. Presented at the ACT Canada Sustainable Mobility and Healthy Community Summit, Markham, Ontario, Canada, Nov. 30–Dec. 3, 2014.
47. El-Assi, W., Mahmoud, M., Habib, K.M.N. “Factors driving public bike share demand: The case of Bike Share Toronto”. Presented at the ACT Canada Sustainable Mobility and Healthy Community Summit, Markham, Ontario, Canada, Nov. 30–Dec. 3, 2014.
46. Nourinejad, M., Papaioannou, E., Roorda, M., Habib, K.M.N. “Simulation of winter storm on an urban corridor”. Presented at the 49th CTRF Conference, Windsor, Canada, June 1–4, 2014.
45. Weiss, A., Mahmoud, M., Kucireck, P., Habib, K.M.N. “Developing a dynamic agent-based multimodal traffic simulation model for transport planning and simulation”. Presented at the 49th CTRF Conference, Windsor, Canada, June 1–4, 2014.

44. Garcés, P.G., Sánchez, T.R., Habib, K.M.N. “Effects of travel behaviour change programs on time allocation to driving”. Presented at the Conference of Pan American Society for Transport Research, Santander, Spain, June 11–13, 2014.
43. Wenneman, A., Roorda, M., Habib, K.M.N. “Investigating the relationship between illegal commercial vehicle parking, parking demand and the built environment”. Presented at the 49th CTRF Conference, Windsor, Canada, June 1–4, 2014.
42. Weiss, A., Mahmoud, M., Kucireck, P., Habib, K.M.N. “Issues and strategies involved in developing agent-based multimodal network simulation model for transportation planning: Lessons from a case study in the Greater Toronto and Hamilton Area”. Paper presented at Transportation Association of Canada (TAC) Conference, Winnipeg, Manitoba, September 22–25, 2013.
41. Papaioannou, E., Habib, K.M.N. “Moving towards smart mobility and residential relocation in response to increasing driving cost”. Paper presented at the QUEST EVVE Conference, Ottawa, October 21, 2013.
40. Wenneman, A., Nourinejad, M., Habib, K.M.N., Roorda, M. “Truck parking in urban areas: Application of choice modelling within traffic microsimulation”. Paper presented at the METRANS Urban Freight Conference, Los Angeles, USA, October 5, 2013.
39. Nourinejad, M., Wenneman, A., Habib, K.M.N., Roorda, M. “Truck parking in urban areas: Application of choice modelling within traffic microsimulation”. Paper presented at the 48th Annual CTRF Conference, Halifax, Canada, June 10–12, 2013.
38. Nourinejad, M., Wenneman, A., Habib, K.M.N., Roorda, M. “Truck parking in urban areas: Application of choice modelling within traffic microsimulation”. Paper presented at the Complete Street Forum Conference, Toronto, Canada, May 27, 2013.
37. AbdulAzim, T., Abdelgawad, H., Habib, K.M.N., Abdulhai, B. “Connected travellers: Advanced activity, vehicle data and information services using smartphones”. Paper presented at the ITS Canada Annual Conference-Intelligent Transport for Smart Cities, Toronto, Canada, May 26, 2013.
36. Krumdieck, S., Page, S., Habib, K.M.N., Watcharasukarn, M. “Travel adaptive capacity: Investigating demographic factors and different urban forms”. Paper presented at the Energy Conference, Wellington, New Zealand, February 12–14, 2013.
35. Mahmoud, M., Habib, K.M.N., Shalaby, A. “Modelling transit mode choice for inter-regional commuting trips: Joint model of mode choice, access mode choice and access station choice”. Paper presented at the ACT Canada Sustainable Mobility Summit, Hamilton, Canada, November 2, 2012.
34. Wong, B., Habib, K.M.N., Elias, W., Shifan, Y. “Linking daily short-term activity-travel decision with long-term housing choices: Joint RP-SP based econometric approach”. Paper presented at the 13th IATBR Conference, Toronto, Canada, July 15–20, 2012.
33. 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”. Paper presented at the 13th IATBR Conference, Toronto, Canada, July 15–20, 2012.
32. Sasic, A., Habib, K.M.N. 2012. “A heteroskedastic GEV model with cross-nested/overlapping choice set: Application in modelling commuting departure time choices in GTHA”. Paper presented at the 13th IATBR Conference, Toronto, Canada, July 15–20, 2012.

31. Foresay, D., Habib, K.M.N., Miller, E.J., Shalaby, A. 2012. “The transferability of work trip mode choice models in an expanding suburban area: The case of York Region, Ontario”. Paper presented at the 13th IATBR Conference, Toronto, Canada, July 15–20, 2012.
30. Habib, K.M.N, Swait, J., Salem, S. 2012. “Investigating structural changes in commuting mode choice preferences with repeated crosssectional travel survey data: The context of GTHA”. Paper presented at the 13th IATBR Conference, Toronto, Canada, July 15–20, 2012.
29. Moniruzzaman, M., Paez, A., Habib, K.M.N., Morency, C. “Mode of travel and trip length of seniors with a focus on walking”. Paper presented at the International Conference on Aging, Mobility and Quality of Life (AMQoL), Ann Arbor, USA, June 24–26, 2012.
28. Habib, K.M.N., Carrasco, J. “Trivariate model for social activity scheduling: Start time, with-whom and time allocation”. Paper presented at the 12th World Conference on Transportation Research Conference, Lisbon, Portugal, July 11–15, 2010.
27. Tudela, A., Habib, K.M.N. Osman, A. “Semantic approach of capturing psychological factors affecting mode choice: Comparative results from two countries in North America”. Paper presented at 9th International Conference on Travel Survey Methods. Puyehue, Chile, November 14–18, 2011.
26. Habib, K.M.N., Swait, J. “Using scale heterogeneity to characterize the impact of transport supply changes on demand: Mode choice in the GTA from 1986 to 2006”. Paper presented at the Computer application in Urban Planning and Urban Management Conference, Banff, Canada, July, 2011.
25. Osman, A., Habib, K.M.N., Shalaby, A. “Investigating the effects of psychological factors measured in a semantic scale on commuting mode choice behaviour”. Paper presented at the Computer Application in Urban Planning and Urban Management Conference, Banff, Canada, July, 2011.
24. Osman, A., Habib, K.M.N., Shalaby, A. “Modal shift forecasting model for transit service design”. Paper presented at the CASPT Conference, Santiago, Chile, July 23–27, 2012.
23. Tudela, A., Habib, K.M.N., Carrasco, J., Osman, A. “Incorporating the explicit role of psychological factors in mode choice: A hybrid mode choice model by using data from an innovative psychometric survey”. Paper presented at the 2nd Choice Modelling Conference, Leeds, UK, July 4–6, 2011.
22. AbdulAzim, T., Habib, K.M.N., Abdulhai, B. “Advancing the data collection process for personal travel: Automatic mode detection using mobile-based sensors”. Paper presented at the Translog Conference, Hamilton, Canada, June 15, 2011.
21. Habib, K.M.N., Morency, C., Trépanier, M. “Integrating parking behaviour within activity-based travel demand modelling”. Paper presented at the 12th IATBR Conference, Jaipur, India, December 13–18, 2009.
20. Habib, K.M.N., Morency, C., Islam, T., Grasset, V. “Modelling user’s behaviour of a carsharing program in Montreal: Application of zero-inflated dynamic ordered probit model”. Paper presented at the 12th IATBR Conference, Jaipur, India, December 13–18, 2009.
19. Habib, K.M.N. “Trivariate model of commuter start time, work duration and mode choice”. Paper presented at the 12th IATBR Conference, Jaipur, India, December 13–18, 2009.
18. Carrasco, J., Habib, K.M.N. “Understanding the social embeddedness of activity-travel participation: the case of frequency and duration of social activities”. Paper presented at the 12th IATBR Conference, Jaipur, India, December 13–18, 2009.

17. Bonin, J., Paez, A., Habib, K.M.N. “Shopping trip frequency and duration in Canada: An analysis of personal shopping preference using time use survey data”. Paper presented at the 12th IATBR Conference, Jaipur, India, December 13–18, 2009.
16. Carrasco, J., Habib, K.M.N. “Understanding the social embeddedness of activity-travel participation: the case of frequency and duration of social activities”. Paper presented at the 1st International Time Use Observatory Workshop, Santiago, Chile, January 6–8, 2009.
15. Kattan, L., Habib, K.M.N., Nadeem, S. “Variable message sign and route switching behaviour on deer foot trail, Calgary”. Paper presented at the ITSC Conference, Edmonton, Canada, May, 2009.
14. 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”. Paper presented at the 11th World Conference on Transportation Research, Berkeley, USA, June 24–28, 2008.
13. Carrasco, J.A., Habib, K.M.N., Miller, E.J. “La dimensión social en la agenda de actividades y viajes de los individuos: Un modelo de frecuencia y duración de episodios sociales”. Paper presented at the XIII Congreso Chileno de Ingeniería de Transporte, Católica Universito, Santiago, Chile, October 22–26, 2007.
12. Carrasco, J.A., Habib, K.M.N., Miller, E.J. “Elicited versus revealed personal networks: How much social activity travel can we learn from each”. Paper presented at the Workshop on Social Network and Travel Demand, Frontiers in Transportation, Amsterdam, Netherlands, October 14–16, 2007.
11. Roorda, M.J., Millar, E.J, Habib, K.M.N. “Can we simulate future activity/travel behaviour? Validation of TASHA, an activity-based travel demand microsimulation model”. Paper presented at the CITE Conference, Toronto, Canada, May 6–9, 2007.
10. Habib K.M.N., Miller, E.J. “Activity/travel planning versus activity/travel scheduling: What is the difference if we model all trip types together?”. Paper presented at the 57th Annual Meeting of North American Association of Regional Science, Savannah, Georgia, USA, November 6–10, 2007.
9. Habib K.M.N., Miller, E.J., Elgar, I. “Modelling labour force participation for integrated land use-transportation and environment modelling system”. Paper presented at the 57th Annual Meeting of North American Association of Regional Science, Savannah, Georgia, USA, November 6–10, 2007.
8. Habib K.M.N., Miller, E.J., Elgar, I. “Necessity of labour force participation module in an integrated land use transportation and environment modelling system”. Paper presented at the Annual Meeting of Canadian Regional Science Association, Mississauga, Canada, September 17, 2007.
7. Habib, K.M.N., Miller, E.J. “Modelling activity generation: a utility based model for activity-agenda formation”. Paper presented at the 11th IATBR Conference, Kyoto, Japan, August 16–20, 2006.
6. Habib, K.M.N., Miller, E. J., Elgar, I. “Stress triggered household decision to change dwelling: A comprehensive and dynamic approach”. Paper presented at the 11th IATBR Conference, Kyoto, Japan, August 16–20, 2006.
5. Habib, K.M.N., Millar, E.J. “Gap in theory and implementation in activity-based travel demand modelling”. Paper presented at the 56th Annual Meeting of North American Association of Regional Science, Toronto, Canada, November 18–21, 2006.

4. Habib K.M.N., DiFrancesco, R.J. “Regional specialization and employment dynamics in Canada”. Paper presented at the 51st Annual Meeting of North American Association of Regional Science, Seattle, USA, November 13–15, 2004.
3. Habib K.M.N., Hoque M.M., Alam J.B. “Challenges of addressing road safety problems”. Paper presented at the National Seminar on Globalization and the Challenges of the Developing Countries: Bangladesh Perspective, Institute of Engineers, Chittagong, Bangladesh, January 7, 2003.
2. Habib K.M.N., Imam S.Z. “Issue of sustainability in the transport sector of developing countries”. Paper presented at the National Seminar on Globalization and the Challenges of the Developing Countries: Bangladesh Perspective, Institute of Engineers, Chittagong, Bangladesh, January 7, 2003.
1. Imam, S.Z., Habib, K.M.N. “Globalization challenges for the construction industry: Bangladesh perspective”. Paper presented at the National Seminar on Globalization and the Challenges of the Developing Countries: Bangladesh Perspective, Institute of Engineers, Chittagong, Bangladesh, January 7, 2003.

INVITED PRESENTATIONS / LECTURES

33. Invited lectures on (4 presentations) “Public Transit Planning and Modelling” Invited by Alberta Ministry of Transportation. March 27 and 28, 2017. Topics:
 - a. Transit ridership forecasting models
 - b. Four-stage depiction of 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. 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), February 1, 2017
30. Invited presentation on “Continuous Household Travel Surveys as an Alternative to Cross-sectional Household Travel Surveys” Invited by Agence Métropolitaine de Transport (AMT), 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. 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. 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. 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. 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, 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, September 21, 2015.
23. Invited presentation on “Development of Travel Demand Management Evaluation Tool”. The annual meeting of Travel Demand Management Coordination Committee (TDMCC) of Ontario. Metrolinx Office in 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, 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, Canada, 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, 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, Canada, 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, organized in Toronto, Canada, 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, 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, Canada, 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. Round table 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.

TECHNICAL REPORTS – OTHER CONTRIBUTIONS (Underlined names indicate student co-authors)

Recent Professional Reports:

37. Weiss, A., Hasnine, S., Habib, K.M.N., “Assessment of Sidewalk Walkability”. Report Submitted to STANTEC Edmonton, December 2016. 17 pages.
36. Chung, B., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Web Tool Design for Household Travel Surveys”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, December 2016. 66 pages.
35. Harding, C., Srikukentrian, S., Zhang, Z., Habib, K.M.N., Miller, E.J. “Smart Phone App and Trace Processing Assessment: Part I”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, December 2016. 61 pages.
34. Chen, M., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Sampling Frame for Household Travel Surveys: Under-Coverage Issues”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, December 2016. 59 pages.

33. Chan, J., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Potential of Passive Data Sources”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, December 2016. 33 pages.
32. El-Assi, W., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Continuous Travel Survey Methods”. Report to the City of Edmonton, Edmonton. University of Toronto Transportation Research Institute, December 2015. 66 pages.
31. Rashedi, Z., Habib, K.M.N., “Effectiveness of employer-based Travel Demand Management Programs (TDM): Evidence from ‘Smart Commute’ travel survey database”. Report to Metrolinx, April 2016. 223 pages
30. Hasnine, S., Habib, K.M.N., “Modelling the impacts of employer-based TDM strategies on daily activity-travel demand”. Report to Paradigm Engineering, April 2016. 11 pages
29. El-Assi, W., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “State of the practice of data collection methods for household travel surveys”. Report to the City of Edmonton, Edmonton. University of Toronto Transportation Research Institute, December 2015. 20 pages.
28. El-Assi, W., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “State of practice in continuous travel surveys”. Report to the City of Edmonton, Edmonton. University of Toronto Transportation Research Institute, December 2015. 21 pages.
27. El-Assi, W., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Continuous data collection approaches for household travel surveys”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, December 2015. 32 pages.
26. Habib, K.M.N., El-Assi, W. “Sample size requirements for regional household travel surveys”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, September 2015. 19 pages.
25. Loa, P., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Current state of web-based survey methods”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, September 2015. 43 pages report & 75 pages annotated bibliography.
24. Rashed, M., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Current state of smartphone survey methods”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, September 2015. 47 pages report & 45 pages annotated bibliography.
23. Pulikanti, S., Srikukentrian, S., Habib, K.M.N., Miller, E.J. “Current state of landline survey methods”. Report to the Transportation Information Steering Committee, Toronto. University of Toronto Transportation Research Institute, September 2015. 32 pages report & 21 pages annotated bibliography.
22. Hasnine, S., Weiss, A., Habib, K.M.N. “Office-Based Travel Demand Analysis and Evaluation Tool Development by using Econometric Choice Model”. Report submitted to The Region of Peel, May 2014. 87 pages
21. Akbari, S., Habib, K.M.N. “Modelling home location choices as a function of accessibility in the context of transportation system performance and urban form”. Report submitted to ADVANIS Inc, October 2014, 24 pages.
20. Mahmoud, M., Habib, K.M.N., Shalaby, A. “Demand Modelling of Cross-Regional Intermodal Commuting Trips in the Greater Toronto and Hamilton Area”. Report submitted to Metrolinx, December 2014. 52 pages

19. Miller, E.J. and K.N. Habib, "Passenger Travel Survey Methods for the Greater Golden Horseshoe: A Discussion Paper". Report to the Transportation Information Steering Committee, Toronto University of Toronto Transportation Research Institute, December 2014. 19 pages.
18. El-Assi, M., Mahmoud, M., Habib, K.M.N. "Investigating the effects of transportation level of service and weather on bike sharing demand in Toronto". Report submitted to City of Toronto Parking Authority, October 2014, 20 pages.
17. Salem, S., Habib, K.M.N. "Investigating travel cost elasticity of the residents of GTHA". Report submitted to 407-ETR, October 2013, 25 pages.
16. AbdulAzim, T., Sharier, M., Habib, K.M.N. "Evaluating the effectiveness of SHUTTLE program: A challenge to reduce fuel consumption". Report submitted to Summerhill Impact (a non-profit organization), September 2013, 23 pages.
15. Nourinejad, M., Wenneman, A., Habib, K.M.N., Roorda, M.J. "Truck parking in urban areas: Application of choice modelling within traffic microsimulation". Report submitted to Canadian Transportation Research Forum (CTRF), April 2013, 19 pages.
14. Kattan, K., Habib, K.M.N., Shalaby, A., Martinson, R., Idris, A.O. "Modelling the impact policies and decision elements on individual's travel switching behaviour towards transit, walking and cycling: a Case study on the middle ring neighbourhoods of the City of Calgary". Report submitted to the Centre of Transportation Engineering and Planning (CTEP), June 2013, 36 pages.
13. Abdelgawad, H., Omrani, R., Clute, D., Habib, K.M.N. "Off-road vehicle and motorized snow vehicle survey". Report submitted to MTO, March 2013, 55 pages.
12. Miller, E.J., K.N. Habib, M. Lee-Gosselin, C. Morency and M.J. Roorda, A. S. Shalaby, "Final Report: Changing Practices in Data Collection on the Movement of People". Report to the Transportation Association of Canada, Île d'Orléans, Québec: Lee-Gosselin Associates Ltd., November 2012, 295 pages.
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 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. Chingcuanco, 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–Present)
(I had major responsibility for redesigning 50% of this course)
- CIV 1520: Travel Survey Methods (Fall 2010–Present)
(I had major responsibility for designing 100% of this course)
- CIV 1538: Demand Analysis (Winter 2012–Present)
(I had major responsibility for redesigning 60% of this course)
- CIV 1599: Transport Economics (Winter 2016–Present)
- CIV 1505: Transportation Research Seminars (Fall and Winter 2012–Present)

Instructor: University of Alberta, Edmonton, Canada

- CIVE 315: Introduction to Transportation Engineering (Winter 2009 and 2010)
(I had major responsibility for redesigning 60% of this course)
- CIVE 612: Transportation Planning (Fall 2008 and 2009)
(I had major responsibility for designing 100% of this course)
- CIVE 613: Travel Demand and Transportation Policy Analysis (Fall 2009)
(I had major responsibility for designing 100% of this course)

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
- 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	
Undergraduate	2		23		25
M.A.Sc.		1	11	4	16
M.Eng.	3		26		29
Ph.D.	4	2	1	2	09
Post Doc		1		1	02
UG Analysts/RA			38		38
PG Research Associates	2		4		06
Voluntary Research Mentoring			5		05
Total	10	4	90	10	114

Current Ph.D. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
10. 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 Adpatation under Automated Vehicle System		Sept. 2017-Sept. 2021
10. Jason Hawkins	Integrated Land Use and Transportation Model for Automated Vehicle System		Sept. 2017-Sept. 2021
9. Sami Hasnine	Modelling Daily Tour-based Mode Choices for Activity-Travel Schedules		Jan. 2015–Jan. 2019
8. Zohreh Rashedi	Uncertainty in Travel Demand Modelling		Sept. 2014–Sept. 2018
7. Leila Dianat	Week-Long Model of Non-Work Activity Scheduling	E.J. Miller	Sept. 2011–Sept. 2015
6. Adam Weiss	Intra-Household Interactions in Travel Demand Models		Sept. 2013–Sept. 2017
5. Saidal Akbari	Comprehensive Modelling Framework for Transportation and Land Use Interactions		Sept. 2013–Sept. 2017
4. 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. 2015

Completed Ph.D. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
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

Post-Doctoral Fellows:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
2. Ahmadreza Faghih-Imani	TTS2.0: Core-Satellite Approach of Passenger Travel Survey	E. Miller (Civil Eng.)	2017
1. Dr. Siva Srikukenthiran	TTS2.0: Core-Satellite Approach of Passenger Travel Survey	E. Miller (Civil Eng.)	2015– 2016

Current M.A.Sc. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
18. Albert lo	Evaluating Impacts of Transit Investments on Travel Demands		Sept. 2017- Sept 2019
17. Patrick Loa	Design and Implementation of Core-Satellite Structure for Urban Passenger Data		Sept. 2017- Sept 2019
16. Brittany Chung	STASI: Stathe of The Art Internet Survey Interface	E. Miller	Sept. 2016- Sept 2018

Completed M.A.Sc. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
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15. Wafic El-Assi	Issues related to Continuous Approach of Household Travel Surveys		Sept. 2015– Sept 2016
14. James Lamers	A Unified Utility-based Activity-Travel Microsimulation Model		Sept. 2014–Dec. 2016
13. Vivian Hui	Transportation and Social Equity of Homeless People in Toronto		Sept. 2013– Sept. 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–Sept. 2014
9. Adam Weiss	Investigating Modal Captivity for Commuting in the Greater Toronto and Hamilton Area		Sept. 2011– Sept. 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–Sept. 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–Sept. 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–Sept. 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
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Current M.Eng. Students:

Student Name	Thesis Topic	Co-Supervisor	Year of Graduation
29. Yixi Luo	Smart-phone based Personal Travel Survey		2017
28. Tamer Ladan	Design of Satellite Survey for Active Mode Users		2017
27. Abhishek Chatterjee	Travel Demand of Post-Secondary Students		2017

Completed M.Eng. Students:

Student Name	Thesis Title	Year
26. Imran Sharif Us Salam	A Multimodal Traffic Assignment Model for the Greater Toronto and Hamilton Area	Summer 2016
25. Tian Lin (CEM Intern)	Data Imputation for Passenger Travel Demand	Summer 2016
24. Mustafa Ersin Sharier	Investigating Place of Residence and Place of Employment Choices	Fall 2015
23. Mehmetcan Ersoz (University of Toronto)	Feasibility of a Highway Project in Niagara Peninsula	Fall 2015
22. Khwaja M Waker (University of Toronto)	Use of GIS to Evaluate the Impact of 2008-2009 Economic Recession in the GTHA	Spring 2015
21. Jacob Louie (University of Toronto)	Building statistical models to predict durations of subway system incidences	Fall 2014-Spring 2015
20. Aitor Imaz (University of Toronto)	Investigating the Factors Affecting Transit User Loyalty	Summer 2013
19. Saidal Akbari (University of Toronto)	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)	Modelling Intercity Mode Choice by using RP Data	Summer 2012
17. Pushpa Adhikary (University of Toronto)	Coding and Calibrating TransCAD Network Model for GTHA	Fall 2011
16. Cindy Costain (University of Toronto)	Investigating Users' Behaviour of a Carsharing Program	Summer 2011
15. Carolyn Ardron (University of Toronto)	Evaluating Potential Impact of Weekend Traffic Emission in Reaching Toronto's GHG Emission Reduction Target	Summer 2011
14. Mohammed Mouattamid (University of Alberta)	EM Algorithm for Non-Parametric Estimation of Mixing Distribution	Winter–Spring 2010

13. Mohammed Almasi (University of Alberta)	Microscopic Transportation Analysis of Highway 16A in Stoney Plain Using VISSIM	Winter–Spring 2010
12. Yasin Zia (University of Alberta)	Investigating Time Expenditure Behaviour using Canadian Time use Survey Data	Winter–Spring 2010
11. Shariq Khan (University of Alberta)	Collecting Psychometric Data on Selected Sample-3 in Edmonton	Winter–Spring 2010
10. Mohammad Munir (University of Alberta)	Collecting Psychometric Data on Selected Sample-2 in Edmonton	Fall 2009
9. Raquibul Hasan Waheed (University of Alberta)	Collecting Psychometric Data on Selected Sample-1 in Edmonton	Fall 2009
8. Nasrullah Dogar (University of Alberta)	Designing a Psychometric Survey for Mode Choice Modelling	Fall 2009
7. Parsa Shirvani (University of Alberta)	Developing Simulation Tool for Policy Evaluation using Discrete Choice Model	Fall 2009
6. Ashfaq Ahmed (University of Alberta)	Transportation Planning Practice in Small City: A Case Study on Red Deer, Alberta	Winter–Spring 2009
5. Mehdi Khan (University of Alberta)	Relationship between Transportation Accessibility, Urban Form, and Housing Market	Winter–Spring 2009
4. Adnan Akram (University of Alberta)	Transit Oriented Development for Edmonton Region	Fall 2008
3. Amir Bhurgrri (University of Alberta)	Evaluating Transit Investment with Respect to Urban Growth	Fall 2008
2. Saeed Hamidi (University of Alberta)	Evaluating Latent Demand for Transit Extension	Fall 2008
1. Arif Ali (University of Alberta)	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
25. Patrick Loa	Predicting Travel Demand of Elderly Population in the GTHA	Jan. 2017– May 2017
24. Albert Lo	High Occupancy Vehicle 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)	User Generated Energy and its Supply to the Grid: Issues and Feasibilities	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)	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 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
41. Daming Gao	EngSci-3 rd Year	Data fusion for Core-Satellite Structure	2017
40. Albert Lo	IPE-4 rd Year	Effects of different sampling frame and recruiting procedure on data quality in 2016 TTS	2017
39. Patrick Loa	EngSci-4 rd Year	Satellite Survey Design	2017
38. Zoe (Tengteng) Zhang	Civil-3 rd Year	Sample Frame and Passive Data	2016
37. Jeremy Chan	EngSci-2 nd Year	Sample Frame and Passive Data	2016
36. Cici (Meishi) Chen	EngSci-2 nd Year	Smart Phone based Data Collection	2016
35. Britanny Chung	U Waterloo Civil-4 th Year	Web Tool for Household Travel Survey	2016
34. Zhexiang Wang	Civil-2 nd Year	Data Imputation and Descriptive analysis	2016 NSERC USRF
33. Shirin Ashtari	Civil-3 rd Year	Investigating Home Location Choices in Toronto	2016
32. Sarah Tasnuva	Civil-2 nd Year	Air Transportation Demand	2016
31. Wafic El-Assi	Civil-Final Year	Sampling for Crossectional and Continuous Household Travel Survey2	2015 NSERC USRF
30. Patrick Loa	EngSci-3 rd Year	Household Travel Survey Issues: Literature Review	2015-Paid Summer Fellow
29. James Scott	Civil Engineering-2nd Year	Developing Microsimulation Model for Activity-travel Demand	2014–Paid Summer Fellow
28. Wafiq El-Assi	Civil Engineering-3rd Year	Estimating Bike Sharing Demand in Toronto	2014–Paid Summer Fellow
27. Safinur Majumder	Civil Engineering-3rd Year	Activity Scheduling in Time and Space	2014–Paid Summer Fellow

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

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

Postgraduate (PG) Research Associates:

Name	Degree and Position	Research Topics/Project	Year and Position
6. Tian Lin, M.Eng-CEM	Analyst	TTS2.0 Project: Results of 2016 TTS and Field Test Specifications	Jan 2017-Aug 2017

5. Brain Prieur	Computer Programmer	TTS2.0 Project: Developing Front-End of Web Survey Tool	Summer 2016
4. David La	Computer Programmer	TTS2.0 Project: Developing Front-End of Web Survey Tool	Summer 2016
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		

AWARDS RECEIVED BY MY CURRENT AND PAST HQPS

- Albert Lo:
 - 2017 TISC scholarship
- Zohreh Rashedi:
 - 2015, 2016 OGS
- 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:
 - 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
 - 2015 R. Soberman Fellowship, awarded by UTTRI, University of Toronto
 - 2014 Rob MacIsaac Fellowship, awarded by Metrolinx
 - 2014 TAC Scholarship, awarded by Transp. Assocs. of Canada
 - 2013 R. Soberman Fellowship, awarded by UTTRI, University of Toronto
 - 2013 M. Hassounah Fellowship, awarded by UTTRI, University of Toronto
 - A. Bhardwaj: the University of Toronto Excellence Award in Natural Science and Engineering (UNTEA-NSE).
 - B. Wong:
 - 2012 Richard Soberman Fellowship in Transportation Planning, awarded by UTRAC, University of Toronto
 - 2013 Rob MacIsaac Fellowship, awarded by Metrolinx
 - E. Papaioannou: 2013 G. Steward Fellowship in Transportation Planning, awarded by UTTRI, University of Toronto.
 - M. Tazul Islam:
 - 2013 Alberta Innovates Graduate Scholarship
 - 2013 Honorary Izaak Walton Killam Memorial Scholarship
 - S. Akbari: 2014 M.R. Soberman Graduate Fellowship, UTTRI
 - 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 – SERVICE

UNIVERSITY ADMINISTRATIVE POSITIONS

- Member of Faculty Council, Faculty of Applied Science and Engineering (FASE), University of Toronto: 2010–Present
 - Member of the Faculty Academic Appeal Board: 2017-2020
- Member of School of Graduate Studies: 2010–Present
- Member of Departmental Council of the Dept. of Civil Engineering, University of Toronto: 2010–Present
 - Member of examination and degree committee: 2010–2013
 - Graduate appeal committee: 2013–Present
 - Graduate admission committee: 2014–Present
 - Informal evaluations (through attending dinner) for faculty hiring (three geotechnical candidates) in 2014
- Associate Member, University of Toronto Transportation Research Institute (UTTRI): 2013–present
- Associate Member, Urban Transportation Research and Advancement Centre (UTRAC): 2010–2013
- Member of Ontario Graduate Scholarship (OGS) application selection committee (2012)
- Ph.D. Comprehensive Examination Committees:
 - Ahmed Osman Idris (2010); Kasra Razaee (2011); Siva Srikukentrian (2011); Tamer AbdulAzim (2011); Toka Mostafa (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); Ayad Hammad (2016); Wenxun-Ariel-Hu (2017).
- 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)
- 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)
- 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)
- 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)
- 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

EXTERNAL PROFESSIONAL ORGANIZATION/GROUPS

- Member of Travel Demand Modelling (TDM) Coordination Board of Ontario, Metrolinx: 2012–Present
- 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 Advisor Committee (TAC): 2016–2017
- Member of Technical Advisory Committee of Data Modelling Group (DMG), the University of Toronto. 2015–Present
- Member of Technical Advisory Committee of Travel Modelling Group (TMG), the University of Toronto. 2010–Present

PEER REVIEWING PROJECT PROPOSALS AND COMPETITION APPLICATIONS

- CNHC program of the City University of New York (1 proposal)
- C-TEP Annual Research Project Competition (2008–2009)
- FONDECYT program, Government of Chile (1 proposal)
- IATBR 2013 Eric I Pass Ph.D. Dissertation Award Competition (3 reviews)
- King Fahd University Research Program (2 proposals)
- Member of MITACS College of Reviewers (COR): 2012–Present
- MITACS Elevates Program Application for Post Doctoral Fellowship (2 proposals)
- NSERC Discovery Grant Application (4 proposals)
- NSF Peer Review of Proposal on Methodology (1 proposal)
- ORTEC: Oregon Transportation Research and Education Consortium (1 proposal)
- Qatar National Research Fund: QNRF Program (4 proposals)
- Urban Transportation Showcase Program, Transport Canada (2008–2009)
- Vernieuwingsimpuls Innovational Research Innovation Scheme Grant Proposal, Government of the Netherlands (1 proposal)

CONFERENCE / WORKSHOP ORGANIZATION

- 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, 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 Janerio, 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, 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 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.

PROFESSIONAL REVIEWS:

Journals:

- 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 (6 papers)
- Canadian Journal of Civil Engineering (2 papers)
- Case Studies in Transport Policies (1 paper)
- Environment and Planning A (1 paper)
- European Journal of Transport and Infrastructure Research (2 papers)
- IATBR Special Issues (6 papers)
- International Journal of Environmental Science and Technologies (1 paper)
- International Journal of Sustainable Transportation (5 papers)
- International Journal of Urban Science (1 paper)
- Journal of Advanced Transportation (3 papers)
- Journal of America Planning Association (1 paper)
- Journal of Choice Modelling (3 papers)
- Journal of Intelligent Transport (1 paper)
- Journal of Regional Science (1 paper)

- Journal of Transport Geography (5 papers)
- Journal of Transportation and Land Use (7 papers)
- Journal of Travel Behaviour and Society (1 paper)
- Journal of Urbanism (1 paper)
- Network and Spatial Economics (1 paper)
- Professional Geographer (1 paper)
- Research in Transport Economics (2 papers)
- Transport Policy (7 papers)
- Transportation (11 papers)
- Transportation Letters (12 papers)
- Transportation Planning and Technologies (1 paper)
- Transportation Research Part A (27 papers)
- Transportation Research Part B (6 papers)
- Transportation Research Part C (2 paper)
- Transportation Research Part D (3 paper)
- Transportation Research Part E (3 papers)
- Transportation Research Record: Journal of Transportation Research Board (numerous)
- Transportmetrica, Part A and Part B (16 papers)

Book Proposals:

- “Transportation Engineering”, Taylors and Francis, 2015
- “Transportation Demand Modelling”, Elsevier, 2016
- “Global Logistic Network Modelling and Policy Simulations”, Elsevier, 2017