

**Assistant Professor**

School of Planning and Public Affairs  
The University of Iowa  
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**EDUCATION****University of Alberta, Edmonton, Canada**

Ph.D. Urban and Regional Planning (Transportation) Apr. 2024

Supervisors: Dr. Francisco Bahamonde Birke (Tilburg University, Netherlands)

Dr. Emily Gris  (University of Alberta, Canada)

Dr. Dea van Lierop (Utrecht University, Netherlands)

Dissertation: *The Use of Behavioural Insights for Crowding Management on Public Transit*

**The University of Iowa, Iowa City, USA**

M.S. Urban and Regional Planning May 2019

Concentration in Transportation & Economic Development

**CANactions School for Urban Studies, Kyiv, Ukraine**

Advanced Professional Training Certificate in Urban Studies Dec. 2015

**Ternopil Ivan Pul'uj National Technical University, Ternopil, Ukraine**

M.S. Industrial & Civil Engineering Dec. 2015

M.S. Automation and Computer Integrated Technologies June 2011

B.S. Automation and Computer Integrated Technologies June 2010

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**PEER-REVIEWED PUBLICATIONS****Academic Journals:**

1. **Kapatsila, B.**, Gris , E. (2024). What Makes Public Transit Demand Management Programs Successful? *Transport Reviews*, 1–24.
2. **Kapatsila, B.**, Gris , E. (2024). It Takes a Village: Using Behavioral Nudges and Incentives to Increase Accessibility of Transport Systems. *Findings*.
3. **Kapatsila, B.**, Rea, J. D., Gris , E. (2024). If you build it, who will come? Exploring the effects of rapid transit on residential movements in Metro Vancouver. *Journal of Transport and Land Use*, 17(1), 163–185.
4. **Kapatsila, B.**, Gris , E., Crumley, M., El-Geneidy, A. (2024). Empirical Analysis of Battery-Electric Bus Transit Operations in Portland, OR, USA. *Transportation Research Part D: Transport and Environment*, 128.
5. **Kapatsila, B.**, Collins, D., Gris , E. (2024). Increasing Transport Affordability in a Car-centric City. *Journal of Transport Geography*, 114, 103787.
6. **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Gris , E. (2023). Impact of the COVID-19 Pandemic on the Comfort of Riding a Crowded Bus in Metro Vancouver, Canada. *Transport Policy*, 141, 83-96.
7. **Kapatsila, B.**, Santana Palacios, M., Gris , E., El-Geneidy, A. (2023). Resolving the accessibility dilemma: Comparing cumulative and gravity-based measures of accessibility in eight Canadian cities. *Journal of Transport Geography*, 107, 103530.
8. Beale, K., **Kapatsila, B.**, Gris , E. (2022). Integrating Public Transit & Shared Micromobility Payments to Improve Transportation Equity in Seattle, WA. *Transportation Research Record*, 2677 (1), 968-980.

9. **Kapatsila, B.**, Gris , E., van Lierop, D., Bahamonde-Birke, F. (2022). From Riding to Driving: the Effects of the COVID-19 Pandemic on Public Transit in Metro Vancouver. *Findings*.
10. **Kapatsila, B.**, Gris , E. (2021). Public Transit Riders' Perceptions and Experience of Safety: COVID-19 Lessons from Edmonton. *Findings*.

#### Book Chapters:

1. **Kapatsila, B.** (2021). Libraries in Peripheral Cities as Triggers of Social Change. In B. Cope, S. Liubimau, D. Ciupailaite *Re-Tooling Knowledge Infrastructures in a Post-Nuclear Town*. Vilnius Academy of Arts Publishing House.

#### Conference Proceedings:

1. **Kapatsila, B.**, Villeneuve, K., Gris , E., Qiu, F. (2023). *The Value of Access to Rapid Transit Among Affluent Households: Evidence from the City of Vancouver, Canada*. Proceedings of the 8th Conference on Spatial Knowledge and Information Canada. Banff, Canada.

#### Papers Currently Under Review:

1. **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Gris , E. (Under Review). The Effect of Digital Crowding Level Information on the Revealed Route Choice of Transit Riders. *Transportation*.
2. **Kapatsila, B.**, Hindle, A., Stewart, A., Gris , E. (Under Review). Counting in: A Methodological Framework for the Accessibility Assessment of On-Demand Transit. *Journal of Public Transportation*.
3. **Kapatsila, B.**, van Lierop, D., Bahamonde Birke, F., Gris , E. (Under Review). The Effect of Incentives on the Actions Transit Riders Make in Response to Crowding. *Travel Behaviour and Society*.
4. **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Gris , E. (Under Review). Identifying behavioral profiles of transit users for demand management using a probabilistic approach. *Transportation*.

#### Accepted Book Chapters:

1. Alousi-Jones, M., **Kapatsila, B.**, Gris , E., El-Geneidy, A. (Accepted). What's a City Got to Do? Setting Minimum Transit-Based Jobs Accessibility to Enhance Travel Time Equity and Public Transport Mode Share in Canadian Cities. *Transport in a Moving World: Emerging Trends and Policy Challenges*.

## NON-REFEREED PUBLICATIONS

#### Professional Reports

1. Cooper, D., **Kapatsila, B.**, & Faid, J. (2023). *Assessing a Closed System as a Part of the Transit Safety Strategy*. City of Calgary.
2. Faid, J., **Kapatsila, B.**, & Cooper, D. (2021). *Canadian Urban Mobility 2.0*. Transport Canada.
3. Pollack, S., **Kapatsila, B.** (2020). *Metro Resilience Inventory*. Metro Regional Government, Portland, USA.
4. Jelovchan, C., **Kapatsila, B.**, Mohiuddin, H., Williams, J. (2019). *Iowa City Automated Vehicles Adaptation & Equity Plan*. Iowa Initiative for Sustainable Communities, University of Iowa, USA.
5. **Kapatsila, B.**, Levadna, A. (2016). Urban Constitution: Culture and Heritage. In U. Thomann, V. Tyminskyi, B Kapatsila. A. Nemickas *CANactions School for Urban Studies Studio#1 Report*. Kyiv, Ukraine.

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## PRESENTATIONS

#### Peer-reviewed conference presentations and invited talks:

1. **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Gris , E. (2024). *The Effect of Digital Crowding Level Information on the Revealed Route Choice of Transit Riders*. Presented at the 16th International Conference on Travel Behaviour Research: Vienna, Austria.
2. **Kapatsila, B.**, Hindle, A., Stewart, A., Gris , E. (2024). *Measure Twice, Cut Once: Identifying Meaningful Performance Measures for On-Demand Transit Service*. Presented at the 2024 World Symposium on Transport and Land Use Research: Bogota, Colombia.

3. **Kapatsila, B.** (2024). *The Use of Behavioural Insights for Crowding Management on Public Transit*. Presented at the 17th International NECTAR Conference: Brussels, Belgium.
4. **Kapatsila, B.**, Gris , E. (2024). *It Takes a Village: Using Behavioral Nudges and Incentives to Increase Accessibility of Transport Systems*. Presented at the 103 Transportation Research Board Annual Meeting: Washington, D.C. USA.
5. **Kapatsila, B.**, Rea, J. D., Gris , E. (2024). *If you build it, who will come? Exploring the effects of rapid transit on residential movements in Metro Vancouver*. Presented at the 103 Transportation Research Board Annual Meeting: Washington, D.C. USA.
6. **Kapatsila, B.**, Gris , E. (2024). *Unpacking the Sardines: What Makes Public Transit Demand Management Programs Successful?* Presented at the 103 Transportation Research Board Annual Meeting: Washington, D.C. USA.
7. **Kapatsila, B.**, van Lierop, D., Bahamonde-Birke, F., Gris , E. (2023). *The Effect of Incentives on the Actions Transit Riders Make in Response to Crowding*. Presented at the 11th Symposium of the European Association for Research in Transportation: ETH Zurich, Switzerland.
8. **Kapatsila, B.**, Bahamonde-Birke, F., van Lierop, D., Gris , E. (2023). *Impact of the COVID-19 Pandemic on the Comfort of Riding a Crowded Bus in Metro Vancouver, Canada*. Presented at World Conference on Transport Research 2023: Montreal, Canada.
9. **Kapatsila, B.**, Gris , E., Crumley, M., El-Geneidy, A. (2023). *Going Electric: Comparing Operational Performance of Electric, Hybrid, and Diesel Buses in Portland, OR, USA*. Presented at Emerging Mobility Scholars Conference: Cause or Solution? Urban Mobility in an Era of Climate Emergency: Toronto, Canada.
10. **Kapatsila, B.**, Villeneuve, K., Gris , E., Qiu, F. (2023) *The Value of Access to Rapid Transit Among Affluent Households: Evidence from the City of Vancouver, Canada*. Presented at the 8th Conference on Spatial Knowledge and Information Canada: Banff, Canada.
11. Alousi-Jones, M. **Kapatsila, B.**, Gris , E., El-Geneidy, A. (2023). *What's a City Got to Do? Setting Minimum Transit-Based Jobs Accessibility to Enhance Travel Time Equity and Public Transport Mode Share in Canadian Cities*. Presented at the 102 Transportation Research Board Annual Meeting: Washington, D.C. USA.
12. **Kapatsila, B.**, Santana Palacios, M., Gris , E., El-Geneidy, A. (2023). *Resolving the accessibility dilemma: Comparing cumulative and gravity-based measures of accessibility in eight Canadian cities*. Presented at the 102 Transportation Research Board Annual Meeting: Washington, D.C. USA.
13. **Kapatsila, B.**, Gris , E., Crumley, M., El-Geneidy, A. (2023). *Going Electric: Comparing Operational Performance of Electric, Hybrid, and Diesel Buses in Portland, OR, USA*. Presented at the 102 Transportation Research Board Annual Meeting: Washington, D.C. USA.
14. **Kapatsila, B.**, Bahamonde-Birke, F., van Lierop, D., Gris , E. (2022). *Probabilistic market segmentation of transit users in Vancouver, Canada*. Presented at the 16th International Conference on Travel Behaviour Research: Santiago, Chile.
15. Alousi-Jones, M. **Kapatsila, B.**, Gris , E., El-Geneidy, A. (2022). *What's a City Got to Do? Setting Minimum Transit-Based Jobs Accessibility to Enhance Travel Time Equity and Public Transport Mode Share in Canadian Cities*. Presented at Joint Meeting JRC-NECTAR Cluster 4 & 6: Seville, Spain.
16. **Kapatsila, B.**, Santana Palacios, M., Gris , E., El-Geneidy, A. (2022). *Resolving the accessibility dilemma: Comparing cumulative and gravity-based measures of accessibility in eight Canadian cities*. Presented at the 16th International NECTAR Conference: Toronto, Canada.
17. Beale, K., Gris , E., **Kapatsila, B.** (2022). *Integrating Public Transit & Shared Micromobility Payments to Improve Transportation Equity in Seattle, WA*. Presented at the 101 Transportation Research Board Annual Meeting: Washington, D.C. USA.
18. Rea, J. D., Gris , E., **Kapatsila, B.** (2021). *Exploring the effects of rapid transit in Metro Vancouver: Different modes, different outcomes*. Presented at 2021 World Symposium on Transport and Land Use Research: Portland, USA.

#### **Non-refereed conference presentations:**

1. **Kapatsila, B.** (2023). *Empirical Analysis of Battery-Electric Bus Transit Operations in Portland, OR, USA*. 2023 Canadian Urban Transit Association Conference: Edmonton, Canada.
2. **Kapatsila, B.** (2023). *It Takes a Village: Using Behavioral Nudges and Incentives to Increase Accessibility of Transport Systems*. 2023 Canadian Urban Transit Association Conference: Edmonton, Canada.

3. **Kapatsila, B.** (2023). *The Use of Behavioural Insights for Crowding Management on Public Transit*. 2023 ATLAS Symposium: University of Alberta, Edmonton, Canada.
4. **Kapatsila, B.** (2022). *Transportation accessibility dilemma in Edmonton. Should we use cumulative or gravity-based measures?* 2022 ATLAS Symposium: University of Alberta, Edmonton, Canada.
5. **Kapatsila, B.** (2021). *COVID-19 and public transit ridership: meeting customer needs now and beyond the pandemic*. 2021 ATLAS Symposium: University of Alberta, Edmonton, Canada.

**Professional presentations:**

1. **Kapatsila, B.,** Gris , E. (2023). *Public Transit Crowding and Incentives*. June 29 lunch and learn presentation for TransLink staff: Vancouver, Canada.
2. **Kapatsila, B.,** Thomann, U. (2016). *Integrated Approach to Urban Development of Liveable Cities Ukraine*. A keynote presentation at the German-Ukrainian Conference on Integrated Urban Development: Chernivtsi, Ukraine.
3. **Kapatsila, B.,** Tyminskyi, V. (2016). *Grassroot activism and integrated urban development in Ukraine*. Venice Biennale of Architecture: Venice, Italy.

**TEACHING**

**Primary Instructor: University of Alberta, Edmonton, Canada**

- PLAN 399/598: Advanced Research Methods Undergraduate / Graduate course, 47 students Fall 2023
- PLAN 399/598: Advanced Research Methods Undergraduate / Graduate course, 34 students Fall 2022

**Teaching Assistant: University of Alberta, Edmonton, Canada**

- HGP 470/PLAN 570: Advanced GIS for Planners Undergraduate / Graduate course, 29 students Winter 2024
- HGP 470/PLAN 570: Advanced GIS for Planners Undergraduate / Graduate course, 15 students Winter 2022
- PLAN 485/585: Advanced Topics in Planning Undergraduate / Graduate course, 10 students Fall 2021
- HGP 470/PLAN 570: Advanced GIS for Planners Undergraduate / Graduate course, 17 students Winter 2021

**Co-instructor: European Humanities University, Vilnius, Lithuania**

- DAAD Summer School Mapping Visaginas Graduate course, 12 students Summer 2016

**Co-instructor: CANactions School for Urban Studies, Kyiv, Ukraine**

- Advanced Studies in Integrated Urban Development Post-graduate program, 22 Students Sep. 2016 – June 2017
- Studio #2 (Professional training course in urban development) Post-graduate program, 14 Students Jan. 2016 – June 2016

**Instructor: Open International University of Human Development Ukraine, Ternopil, Ukraine**

- Basics of Design and Architecture Undergraduate course, 16 Students Spring 2015

**AWARDS AND FELLOWSHIPS**

**Awards:**

- 5<sup>th</sup> NECTAR PhD Award May 2024
- 2020 Iowa American Planning Association Exemplary Student Project Award Oct. 2020
- Tippie College of Business Real Estate Process Year All-Around Award May 2019

Iowa American Planning Association Student Poster Contest 2nd prize	Oct. 2018
Upper Midwest American Planning Association Conference Student Poster Award	Sep. 2018

**Fellowships:**

Hatfield Resident Fellowship Program (\$25,000)	May 2019
Edmund S. Muskie Professional Fellowship Program (\$10,000)	May 2018
University of Iowa, College of Graduate Studies Scholarship (\$54,000)	Aug. 2017
Fulbright Graduate Student Exchange Program (\$37,000)	May 2017

**EDITORIAL SERVICE**

**Reviewer for the following Journals and Conferences:**

Transportation Research Part D: Transport and Environment, Transport Reviews, Transportation, Journal of Public Transportation, Journal of Transport Geography, Journal of Transport and Land Use, Transactions on Intelligent Transportation Systems, Sustainability Analytics and Modeling, World Symposium on Transport and Land Use Research, Transportation Research Board (TRB) Annual Meeting, International Conference on Travel Behavior Research.

**Editor:**

1. Thomann, U., Tyminskyi, V., **Kapatsila, B.**, Shovenko, O. (2017) *Advanced Studies in Integrated Urban Development 2016/17 Report*. Kyiv, Ukraine
2. Thomann, U., Tyminskyi, V., **Kapatsila, B.**, Nemickas, A. (2016) *CANactions School for Urban Studies Studio#2 Report*. Kyiv, Ukraine
3. Thomann, U., Tyminskyi, V., **Kapatsila, B.**, Nemickas, A. (2016) *CANactions School for Urban Studies Studio#1 Report*. Kyiv, Ukraine

**VOLUNTEER SERVICE**

**Departmental:**

Ukrainian Canadian Students' Union	Mar. 2022 – May 2024
EDI Committee, EAS Department, University of Alberta	May 2021 – May 2024
Equity-Focused GIS Workshop co-instructor	Mar. 2021
Graduate Student Representative, University of Iowa	Aug. 2017 – May 2019

**Professional:**

Community Planning Association of Alberta, board member	May 2023 – May 2024
ITE Northern Alberta, board member	Jan. 2021 – May 2024
Edmund S. Muskie Fellowship mentor	Sep. 2020 – Present

**Community:**

New York City Food Bank volunteer	June 2018 – August 2018
Shelter House, Iowa City, Front Desk volunteer	Dec. 2017 – Jan. 2018
Iowa City Book Festival Economic Impact Assessment	Oct. 2017
Iowa United Nations Association volunteer	Aug. 2017 – May 2018
United Nations online volunteer	June 2016 – Aug. 2017