

Bogdan Kapatsila, Ph.D.

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EDUCATION

2024 University of Alberta, Canada
Ph.D., Urban and Regional Planning
Specialization: Transportation

Dissertation: *The Use of Behavioral Insights for Crowding Management on Public Transit*
Advisors: Drs. Emily Grisé, Francisco Bahamonde Birke, Dea van Lierop

2019 The University of Iowa, USA
Master of Urban Planning
Focus area: Transportation, Economic Development

2015 CANactions School for Urban Studies, Ukraine
Advanced Professional Training Certificate in Urban Studies

2015 Ternopil Ivan Pul'uj National Technical University, Ukraine
M.S., Industrial & Civil Engineering

2011 Ternopil Ivan Pul'uj National Technical University, Ukraine
M.S., Automation and Computer Integrated Technologies

2010 Ternopil Ivan Pul'uj National Technical University, Ukraine
B.S., Automation and Computer Integrated Technologies

ACADEMIC EXPERIENCE

2025-Present Assistant Professor (by courtesy), Industrial and Systems Engineering, University of Iowa

2024-Present Assistant Professor, School of Planning and Public Affairs, University of Iowa

2024-Present Research Affiliate, Center for Social Science Innovation, University of Iowa

PUBLICATIONS

Journal Articles

Kapatsila, B., Carel, B., Kapatsila, Y. (2025). Assessing the Benefits of On-Demand Transit Service in a Small US Urban Region. *Findings*. <https://doi.org/10.32866/001c.143481>.

Kapatsila, B., Hindle, A., Stewart, A., Grisé, E. (2025). Counting in: A Methodological Framework for the Accessibility Assessment of On-Demand Transit. *Journal of Public Transportation*, Volume 27, 2025, 100122.

Kapatsila, B., Grisé, E. (2025). An Empirical Investigation of the Impact of Preferences for Physical, Social, and Security Factors on the Feeling of Safety on Public Transit. *Transportation Research Part A: Policy and Practice*, Vol.196, 104501.

Kapatsila, B., van Lierop, D., Bahamonde Birke, F., Grisé, E. (2025) The Effect of Incentives on the Actions Transit Riders Make in Response to Crowding. *Travel Behaviour and Society*, 40, July 2025, 101018.

Kapatsila, B., Bahamonde Birke, F., van Lierop, D., Grisé, E. (2025). The Effect of Digital Crowding Level Information on the Revealed Route Choice of Transit Riders. *Transportation*, 1-26.

Kapatsila, B., Grisé, E. (2024). What Makes Public Transit Demand Management Programs Successful? *Transport Reviews*, 1–24.

Kapatsila, B., Grisé, E. (2024). It Takes a Village: Using Behavioral Nudges and Incentives to Increase Accessibility of Transport Systems. *Findings*.

Kapatsila, B., Rea, J. D., Grisé, 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.

Kapatsila, B., Grisé, 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.

Kapatsila, B., Collins, D., Grisé, E. (2024). Increasing Transport Affordability in a Car-centric City. *Journal of Transport Geography*, 114, 103787.

Kapatsila, B., Bahamonde Birke, F., van Lierop, D., Grisé, 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.

Kapatsila, B., Santana Palacios, M., Grisé, 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.

Beale, K., **Kapatsila, B.**, Grisé, E. (2022). Integrating Public Transit & Shared Micromobility Payments to Improve Transportation Equity in Seattle, WA. *Transportation Research Record*, 2677 (1), 968-980.

Kapatsila, B., Grisé, 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.

Kapatsila, B., Grisé, E. (2021). Public Transit Riders' Perceptions and Experience of Safety: COVID-19 Lessons from Edmonton. Findings.

Book Chapters

Alousi-Jones, M., **Kapatsila, B.**, Grisé, E., El-Geneidy, A. (2025). 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. In O. Bonin, K. T. Geurs, A. Reggiani, and P. Christidis *Transport in a Moving World: Emerging Trends and Policy Challenges*. Elgar.

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

Kapatsila, B. Villeneuve, K., Grisé, 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.

Journal Articles Under Review

Monday, J., **Kapatsila, B.** Advancing Iowa's Policy Priorities for Physical and Mental Well-being through Strategic Transport Infrastructure Investments. *Iowa Law Review*.

White, M., Grisé, E., **Kapatsila, B.**, Trépanier, M., Boisjoly, G. Women's Mobility Needs in Public Transport: A Scoping Review. *Transport Reviews*.

Kapatsila, B., Karner, A. Using a natural experiment to assess free fare transit in a small U.S. urban region. *Transport Policy*.

Yu, J., **Kapatsila, B.**, Badami, M., Grisé, E. Whose Access is Enhanced? An Empirical Analysis of Battery-Electric Bus Transit Implementation in Minneapolis-St. Paul. *International Journal of Sustainable Transportation*.

Kapatsila, B., Negm, H., El-Geneidy A. Which access matters? A comparative analysis of accessibility metrics and their impacts on commuting. *Journal of Transport and Land Use*.

Jain, P., **Kapatsila, B.**, Grisé, E. Whose Access is Enhanced? An Equity Prioritization Framework for Evaluating Proposed Transit Route Alignments in Edmonton, Canada. *Journal of Transport Geography*.

Kapatsila, B., Bahamonde Birke, F., van Lierop, D., Grisé, E. Identifying behavioral profiles of transit users for demand management using a probabilistic approach. *Journal of Urban Mobility*.

Professional Reports

Cooper, D., **Kapatsila, B.**, & Faid, J. (2023). Assessing a Closed System as a Part of the Transit Safety Strategy. City of Calgary.

Faid, J., **Kapatsila, B.**, & Cooper, D. (2021). Canadian Urban Mobility 2.0. Transport Canada.

Pollack, S., **Kapatsila, B.** (2020). Metro Resilience Inventory. Metro Regional Government, Portland, USA.

Jelovchan, C., **Kapatsila, B.**, Mohiuddin, H., Williams, J. Iowa City Automated Vehicles Adaptation & Equity Plan. Iowa Initiative for Sustainable Communities, University of Iowa, USA.

Kapatsila, B., Levadna, A. Urban Constitution: Culture and Heritage. In U. Thomann, V. Tyminskyi, B. Kapatsila, A. Nemickas, CANactions School for Urban Studies Studio#1 Report. Kyiv, Ukraine.

CONFERENCE PRESENTATIONS & INVITED TALKS

Peer-Reviewed Conference Presentations

2026 **Kapatsila, B.**, Karner, A. Using a natural experiment to assess free fare transit in a small U.S. urban region. Presented at the 105 Transportation Research Board Annual Meeting: Washington, D.C. USA.

2026 Yu, J., **Kapatsila, B.**, Badami, M., Grisé, E. Whose Access is Enhanced? An Empirical Analysis of Battery-Electric Bus Transit Implementation in Minneapolis-St. Paul. Presented at the 105 Transportation Research Board Annual Meeting: Washington, D.C. USA.

2025 **Kapatsila, B.**, Carel, B., Kapatsila, Y. Competing or Complementary? Assessing the Benefits of On-Demand Transit Service in a Small US Urban Region. Presented at the University of Minnesota Center for Transportation Studies Annual Conference: Minneapolis, MN, USA.

2025 **Kapatsila, B.**, Karner, A. Using a natural experiment to assess free fare transit in a small U.S. urban region. Presented at the Research-to-Practice Transit Symposium: Gainesville, FL, USA.

2025 Jain, P., **Kapatsila, B.**, Grisé, E. Whose Access is Enhanced? An Equity Prioritization Framework for Evaluating Proposed Transit Route Alignments in Edmonton, Canada. Presented at the American Association of Geographers Annual Meeting: Detroit, MI, USA.

2025 **Kapatsila, B.**, Grisé, E. An Empirical Investigation of the Impact of Preferences for Physical, Social, and Security Factors on the Feeling of Safety on Public Transit. Presented at the 104 Transportation Research Board Annual Meeting: Washington, D.C. USA.

2025 Jain, P., **Kapatsila, B.**, Grisé, E. Whose Access is Enhanced? An Equity Prioritization Framework for Evaluating Proposed Transit Route Alignments in Edmonton, Canada. Presented at the 104 Transportation Research Board Annual Meeting: Washington, D.C. USA.

2024 **Kapatsila, B.**, Collins, D., Grisé, E. Increasing Transport Affordability in a Car-centric City. Presented at the 6th Brindging Transportation Researchers Conference: Austin, TX, USA.

2024 **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Grisé, E. 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.

2024 **Kapatsila, B.**, Hindle, A., Stewart, A., Grisé, E. 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.

2024 **Kapatsila, B.** The Use of Behavioural Insights for Crowding Management on Public Transit. Presented at the 17th International NECTAR Conference: Brussels, Belgium.

2024 **Kapatsila, B.**, Grisé, E. 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.

2024 **Kapatsila, B.**, Rea, J. D., Grisé, E. 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.

2024 **Kapatsila, B.**, Grisé, E. Unpacking the Sardines: What Makes Public Transit Demand Management Programs Successful? Presented at the 103 Transportation Research Board Annual Meeting: Washington, D.C. USA.

2023 **Kapatsila, B.**, van Lierop, D., Bahamonde Birke, F., Grisé, E. 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.

2023 **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Grisé, E. 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.

2023 **Kapatsila, B.**, Grisé, E., Crumley, M., El-Geneidy, A. 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.

2023 **Kapatsila, B.**, Villeneuve, K., Grisé, E., Qiu, F. 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.

2023 Alousi-Jones, M. **Kapatsila, B.**, Grisé, E., El-Geneidy, A. 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.

2023 **Kapatsila, B.**, Santana Palacios, M., Grisé, E., El-Geneidy, A. 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.

2023 **Kapatsila, B.**, Grisé, E., Crumley, M., El-Geneidy, A. 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.

2022 **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Grisé, E. Probabilistic market segmentation of transit users in Vancouver, Canada, during the COVID-19 pandemic. Presented at the annual meeting of the Vereniging voor Ordinatie en Classificatie (Dutch chapter of the International Federation of Classification Societies): Tilburg, Netherlands.

2022 **Kapatsila, B.**, Bahamonde Birke, F., van Lierop, D., Grisé, E. Probabilistic market segmentation of transit users in Vancouver, Canada. Presented at the 16th International Conference on Travel Behaviour Research: Santiago, Chile.

2022 Alousi-Jones, M. **Kapatsila, B.**, Grisé, E., El-Geneidy, A. 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.

2022 **Kapatsila, B.**, Santana Palacios, M., Grisé, E., El-Geneidy, A. 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.

2022 Beale, K., **Kapatsila, B.**, Grisé, E. 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.

2021 Rea, J. D., **Kapatsila, B.**, Grisé, E. 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

2023 **Kapatsila, B.** Empirical Analysis of Battery-Electric Bus Transit Operations in Portland, OR, USA. 2023 Canadian Urban Transit Association Conference: Edmonton, Canada.

2023 **Kapatsila, B.** It Takes a Village: Using Behavioral Nudges and Incentives to Increase Accessibility of Transport Systems. 2023 Canadian Urban Transit Association Conference: Edmonton, Canada.

2023 **Kapatsila, B.** The Use of Behavioural Insights for Crowding Management on Public Transit. 2023 ATLAS Symposium: University of Alberta, Edmonton, Canada.

2022 **Kapatsila, B.** Transportation accessibility dilemma in Edmonton. Should we use cumulative or gravity-based measures? 2022 ATLAS Symposium: University of Alberta, Edmonton, Canada.

2021 **Kapatsila, B.** COVID-19 and public transit ridership: meeting customer needs now and beyond the pandemic. 2021 ATLAS Symposium: University of Alberta, Edmonton, Canada.

Invited Talks

2025 **Kapatsila, B.** Facilitating sustainable transport choices at individual, institutional, and societal levels. Guest presentation at SEES:2010 Interdisciplinary Environmental Seminar for undergraduates. University of Iowa. Iowa City, IA, USA.

2025 **Kapatsila, B.** Setting meaningful goals for efficient and sustainable transportation systems of the future. Guest presentation at Fundamentals of Urbanism for Recovery course organized by Ro3kvit: Urban Coalition for Ukraine initiative: Kyiv, Ukraine.

2025 **Kapatsila, B.** Embracing AI in the Planning Methods Class. Presented at the Urban Planning AI Workshop organized by the Association of Collegiate Schools of Planning AI Task Force: Minneapolis, MN, USA.

2025 **Kapatsila, B.** Meaningful performance measurement for assessing the efficiency of transportation systems. Invited talk for Iowa APA chapter members: Iowa City, IA.

2025 **Kapatsila, B.** Methodological approaches to data-driven transportation demand management policies. Guest presentation at ISE: 5000 Graduate Seminar: Industrial Engineering, University of Iowa. Iowa City, IA, USA.

2023 **Kapatsila, B.**, Grisé, E. Public Transit Crowding and Incentives. June 29 lunch and learn presentation for TransLink staff: Vancouver, Canada.

2016 **Kapatsila, B.**, Thomann, U. *Integrated Approach to Urban Development of Livable Cities in Ukraine*. A keynote presentation at the German-Ukrainian Conference on Integrated Urban Development: Chernivtsi, Ukraine.

2016 **Kapatsila, B.**, Tyminskyi, V. *Grassroot activism and integrated urban development in Ukraine*. Venice Biennale of Architecture: Venice, Italy.

FUNDED RESEARCH

2025 Investment in Strategic Priorities Grant, University of Iowa Office of the Executive Vice President and Provost, Mental and Physical Health impacts of Free Fares in Iowa City, IA (\$2,500), PI.

2025 Obermann Center for Advanced Studies Interdisciplinary Research Grant, The Role of Public Transit Improvements in Advancing Mental and Physical Health in Johnson County, IA (\$9,000), PI.

2025 University of Iowa Center for Social Science Innovation, The use of a natural experiment to identify comprehensive impacts of free fare transit policy in a small US urban region (\$1,500), PI.

2025 University of Iowa Office of Undergraduate Research, Advancing well-being and sustainable choices of the university community (\$15,000), Co-PI, with Sarah Hofmeyer.

2021 University of Alberta Energy Management and Sustainable Operations, Campus Sustainability Grant (CAD\$50,000), Co-applicant, PI: Emily Grisé

2020 TransLink, New Mobility Grant (CAD\$50,000), Co-applicant, PI: Emily Grisé

AWARDS, FELLOWSHIPS, AND RECOGNITION

2024 5th Piet Rietveld Ph.D. Award
Network on European Communications and Transport Activities Research

2020 Exemplary Student Project Award
Iowa American Planning Association

2019	Hatfield Resident Fellowship Program (\$25,000) Portland State University
2019	Real Estate Process Year All-Around Award The University of Iowa, Tippie College of Business
2018	Edmund S. Muskie Professional Fellowship Program (\$10,000) U.S. Department of State
2018	Student Poster Contest 2nd prize Iowa American Planning Association
2018	Conference Student Poster Award Upper Midwest American Planning Association
2017	Graduate Studies Scholarship (\$54,000) The University of Iowa, Graduate College
2017	Fulbright Graduate Student Exchange Program (\$37,000) U.S. Department of State

TEACHING EXPERIENCE

Graduate Courses

Fall 2025	Instructor, Transportation, Urban Form, and Sustainability, University of Iowa
Spring 2025	Instructor, Data Science for Urban Analytics, University of Iowa
Fall 2024 - 2025	Instructor, Economics for Policy Analysis, University of Iowa
Fall 2023 - 2024	Instructor, Advanced Research Methods, University of Alberta
Fall 2021	Teaching Assistant, Transportation and Land Use, University of Alberta
Fall 2021 - 2023	Teaching Assistant, Advanced GIS for Planners, University of Alberta
Summer 2016	Co-instructor, European Humanities University (DAAD Summer School, Mapping Visaginas)

Undergraduate Courses

Spring 2015 Instructor, Basics of Design and Architecture, Open International University of Human Development Ukraine

Professional Courses

2016 - 2017 Co-instructor, Advanced Studies in Integrated Urban Development Post-graduate program, CANactions School for Urban Studies

2016 Co-instructor, Studio #2 (Professional training course in urban development), CANactions School for Urban Studies

Student Advising at the University of Iowa

2025 - 2026 Faculty Advisor, West Branch Comprehensive Plan (capstone project)

Fall 2025 Instructor, Independent Study, Jessica Monday, graduate student

Spring 2025 Instructor, Independent Study, Blake Carel, undergraduate student

Spring 2025 Instructor, Independent Study, Mykayla Kapp, undergraduate student

2024 - 2025 Faculty Advisor, Burlington/West Burlington Transportation and Land Use Plan (capstone project)

PROFESSIONAL ACTIVITY

Service to Profession

2025 - Present Assistant Book Review Editor, Journal of Planning Education and Research

2025 - Present Paper Review Coordinator, Transportation Research Board, Standing Committee on Transit User Experience (AP016)

2025 - Present Mentor, Faculty Women's Interest Group, Association of Collegiate Schools of Planning

2023 - 2024 Board member, Community Planning Association of Alberta

2021 - 2023	Chapter Vice President, Institute of Transportation Engineers, Northern Alberta
2020 - 2023	Mentor, Edmund S. Muskie Fellowship

Professional Memberships

2024 - Present	Association of Collegiate Schools of Planning
2024 - Present	American Planning Association
2023 - Present	World Conference of Transport Research Society
2022 - 2023	Community Planning Association of Alberta
2022 - Present	Network on European Communications and Transport Activities Research
2022 - Present	International Association for Travel Behaviour Research
2021 - Present	World Society on Transport and Land Use Research
2021 - 2024	Institute of Transportation Engineers

Service at the University of Iowa

2024 - Present	Coordinator, Certificate in Transportation Planning
2024 - Present	Member, School of Planning and Public Affairs Admissions Committee
2024 - Present	Member, School of Planning and Public Affairs Technology Committee

REVIEWER

Journals

Transportation Research Part A: Policy and Practice, 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, Urban Studies, Journal of Planning Education and Research.

Conferences

World Symposium on Transport and Land Use Research, Transportation Research Board Annual Meeting, International Conference on Travel Behavior Research.