

# CURRICULUM VITAE

(Updated April, 2021)

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*Research Domains:* Disadvantaged groups (older adults, women, immigrants, and low-income households); Social equity aspects of infrastructure policy; New transportation technologies; Travel behavior; the land use-transportation connection

*Teaching Areas:* Transportation; Geographic Information Systems; International Planning

## EDUCATION

<i>Degree</i>	<i>University</i>	<i>Department</i>	<i>Year</i>
Ph.D.	University of California, Berkeley	City & Regional Planning	12/2012
M.C.P. / M. Arch	University of California, Berkeley	City & Regional Planning / Architecture	12/2002
B. Arch	Maharaja Sayajirao University, Baroda	Architecture	03/1998

## ACADEMIC AND PROFESSIONAL APPOINTMENTS

<i>Date</i>	<i>Rank and/or Position</i>	<i>Department / Group</i>	<i>Institution</i>
01/2019-	Assistant Professor	Dept. of Urban and Regional Planning	University of Colorado Denver
07/2014- 12/2018	Assistant Professor	School of Urban and and Regional Planning	Univ. of Alberta, Canada
06/2013- 12/2013	Research Data Analyst	Institute of Urban and Regional Development	Univ. of California, Berkeley
01/2013- 05/2013	Lecturer	Dept. of City & and Regional Planning	Univ. of California, Berkeley
07/2005- 06/2007	Business Development Manager	Infrastructure Planning	Shirgaokar & Associates, Architects and Planners, Baroda

07/2003- 06/2005	Research Specialist / Asso. Dev. Engg.	Institute of Transportation Studies	Univ. of California, Berkeley
06/1997- 07/1999	Assistant Architect	Architecture	Shirgaokar & Associates, Architects and Planners, Baroda
07/1997- 05/1998	Lecturer	Dept. of Architecture	Maharaja Sayajirao Univ., Baroda, India

## A. RESEARCH

Lists are chronological with most recent first.

Get in touch if you need a copy of a paper for work/research.

\* Co-author was a student when working on the research / *Italicized* co-author was a staff researcher

### Papers in Refereed Journals

- J1. **Shirgaokar, M.**, Nobler, E. (2021). Differences in Daily Trips between Immigrants and US-born Individuals: Implications for Social Integration. *Transport Policy*, Online first. <https://doi.org/10.1016/j.tranpol.2021.03.008>
- J2. **Shirgaokar, M.**, Misra, A., Agrawal, A., Wachs, M., and Dobbs, B. (2021). Differences in ride-hailing adoption by older Californians among types of locations. *Journal of Transport and Land Use*, 14, 367-387. <https://doi.org/10.5198/jtlu.2021.1827>
- J3. Reynard, D., Collins, D., and **Shirgaokar, M.** (2021). Growth over resilience: How Canadian municipalities frame the challenge of reducing carbon emissions. *Local Environment*, Online First. <https://doi.org/10.1080/13549839.2021.1892046>
- J4. **Shirgaokar, M.**, Dobbs, B., Anderson, L.\*, and *Hussey, E.* (2020). Do rural older adults take fewer trips than their urban counterparts for lack of a ride? *Journal of Transport Geography*, 87, 102819-1-12. <http://www.sciencedirect.com/science/article/pii/S0966692318305532>
- J5. Chen, Y.\*, Bouferguene, A., **Shirgaokar, M.**, and Al-Hussein, M. (2020). Spatial analysis framework for age-restricted communities integrating spatial distribution and accessibility evaluation. *Journal of Urban Planning and Development*, 146(1), 04019021-1-15. <http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29UP.1943-5444.0000537>
- J6. Cabral, L.\*, Kim, A., and **Shirgaokar, M.** (2019). Low-stress bicycling connectivity: Assessment of the network build-out in Edmonton, Canada. *Case Studies on Transport Policy*, 7(2), 230-238. <http://www.sciencedirect.com/science/article/pii/S2213624X18302554>
- J7. Reynard, D.\* and **Shirgaokar, M.** (2019). Harnessing the power of machine learning: Can Twitter data be useful in guiding resource allocation decisions during a natural disaster? *Transportation Research Part D: Transport and Environment*, 77, 449-463. <http://www.sciencedirect.com/science/article/pii/S1361920918308113>
- J8. **Shirgaokar, M.** (2019). Operationalizing gendered transportation preferences: A psychological framework incorporating time constraints and risk aversion. *Transport Policy*, 75, 10-18. <http://www.sciencedirect.com/science/article/pii/S0967070X17308235>

- J9. **Shirgaokar, M.** and Lanyi-Bennett, K.\* (2019). I'll have to drive there: How daily time constraints impact women's car use differently than men's. *Transportation*, 47, 1365-1392.  
<https://doi.org/10.1007/s11116-018-9969-1>
- J10. **Shirgaokar, M.** (2018). Expanding seniors' mobility through phone apps: Potential responses from the private and public sectors. *Journal of Planning Education and Research*, 40(4), 405-415.  
<https://doi.org/10.1177/0739456X18769133>
- J11. **Shirgaokar, M.** and Rumbach, A. (2018). Investigating housing tenures beyond homeownership: A study of informal settlements in Kolkata, India. *Housing Studies*, 33(1), 117-139.  
<https://doi.org/10.1080/02673037.2017.1344955>
- J12. **Shirgaokar, M.** and Khandker, H. (2018). How does the inclination to bicycle sway the decision to ride in warm and winter seasons? *International Journal of Sustainable Transportation*, 12(6), 397-406. <https://doi.org/10.1080/15568318.2017.1378779>
- J13. Rivadeneyra, A.\*, **Shirgaokar, M.**, Deakin, E., and Riggs, W. (2017). Building more parking at major employment centers: Can full-cost recovery parking charges fund TDM programs? *Case Studies on Transport Policy*, 5(1), 159-167.  
<http://www.sciencedirect.com/science/article/pii/S2213624X16300669>
- J14. Rumbach, A. and **Shirgaokar, M.** (2017). Predictors of household exposure to monsoon rain hazards in informal settlements in Kolkata, India. *Natural Hazards*, 85, 709-728.  
<http://link.springer.com/article/10.1007/s11069-016-2599-z>
- J15. **Shirgaokar, M.** (2016). Expanding cities and vehicle use in India: Differing impacts of built environment factors on scooter and car use in Mumbai. *Urban Studies*, 53(15), 3296-3316.  
<http://journals.sagepub.com/doi/abs/10.1177/0042098015608050>
- J16. **Shirgaokar, M.** (2014). Employment centers and travel behavior: Exploring the work commute of Mumbai's rapidly motorizing middle class. *Journal of Transport Geography*, 41, 249–258. <http://www.sciencedirect.com/science/article/pii/S0966692314002178>
- J17. **Shirgaokar, M.**, Deakin, E., and Duduta, N.\* (2013). Integrating building energy efficiency with land use and transportation planning in Jinan, China. *Energies*, 6(2), 646–661.  
<http://www.mdpi.com/1996-1073/6/2/646>
- J18. Deakin, E., **Shirgaokar, M.**, et al. (2006). System plan for California's Bay Area Regional Express Bus Service. *Transportation Research Record: Journal of the Transportation Research Board*, 1986, 190–197. <http://dx.doi.org/10.3141/1986-25>
- J19. **Shirgaokar, M.** and Deakin, E. (2005). Study of park-and-ride facilities and their use in the San Francisco Bay Area of California. *Transportation Research Record: Journal of the Transportation Research Board*, 1927, 46–54. <http://dx.doi.org/10.3141/1927-06>

### **Conference Papers (Full paper refereed; Presentation only – CP\*)**

- CP\*1. “Re-imagining streets as public open space in the US and Canada: Opinions from a COVID-19 Twitter corpus”, with Reynard, D. and Collins, D., presented at the 100th Annual Meeting of the Transportation Research Board, Virtual Conference, January 28, 2021
- CP\*2. “What can U.S. travel data tell planners about opening the economy during COVID-19?”, with Misra, A., Nobler, E.\*, and Muresan, D.\*, presented at the 100th Annual Meeting of the

- Transportation Research Board, Virtual Conference, January 28, 2021
- CP\*3. “The use of ride-hailing booking technology by older adults in California”, with Misra, A., Agrawal, A., Dobbs, B., and Wachs, M., presented at the 100th Annual Meeting of the Transportation Research Board, Virtual Conference, January 26, 2021
- CP\*4. “Chasing the American Dream: How everyday travel plays a role in immigrants’ integration into society”, with Nobler, E.\*, presented at the 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 14, 2020
- CP\*5. “Low-stress bicycling connectivity: Assessment of the network build-out in Edmonton, Canada”, with Cabral, L.\* and Kim, A., presented at the 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 16, 2019
- CP\*6. “Harnessing the power of natural language processing: Is Twitter data useful for designing policies in a disaster event?”, with Reynard, D.\*, presented at the 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 14, 2019
- CP\*7. “Older adults’ reliance on family and friends for essential, social, and non-emergency medical trips: Gendered transportation policy implications”, with Dobbs, B., Anderson, L.\*, and *Hussey, E.*, presented at the 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 14, 2019
- CP\*8. “A socio-psychological framework to operationalize gender-based transportation preferences: Incorporating time budgets and risk averseness”, presented at the 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 9, 2018
- CP\*9. “Finding support for “green” transportation taxes: Should we look for supportive places or supportive people?”, with Agrawal, A. and Nixon, H., presented at the 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 8, 2018
- CP\*10. “Riding LRT or taking the bus? Examining variation in social equity within the transit market across a city geography”, presented at the 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 10, 2017
- CP\*11. “Which barriers prevent seniors from accessing Transportation Network Company (TNC) services? Identifying ways forward for a gendered policy approach”, presented at the 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 10, 2017
- CP\*12. “Variations in household exposure to flood hazards in informal settlements: A study of Kolkata, India”, with Rumbach, A., presented at the 46th Annual Conference of the Urban Affairs Association, San Diego, March 17, 2016
- CP\*13. “Exploring user perspectives to increase winter bicycling mode share in Edmonton, Canada”, with Gillespie, D.\*, presented at the 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 12, 2016
- CP\*14. “The cost versus price for parking spaces at major employment centers: Findings from UC Berkeley”, with Rivadeneyra, A.\*, Deakin, E., and Riggs, W., presented at the 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January 13, 2015
- CP\*15. “Suburbanization of the Indian city: Impacts on car and two-wheeler use in Mumbai”, presented at the 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 16, 2013
- CP\*16. “Vehicle ownership in middle-class Indian households: Mobility in Mumbai”, presented at the 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 14, 2013

- CP\*17. “Employment centers and middle-class travel behavior: The case of Mumbai”, presented at the 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January 23, 2012
- CP\*18. “Integrated approach to sustainable transportation, land use, and building design: Case of Luokou District, Jinan, China”, with Deakin, E. and *Zhang, X.*, presented at the 89th Annual Meeting of the Transportation Research Board, Washington, D.C., January 11, 2010
- CP\*19. “System Plan for California’s Bay Area Regional Express Bus Service”, with Deakin E., et al., presented at the 85th Annual Meeting of the Transportation Research Board, Washington, D.C., January 22-26, 2006
- CP\*20. “Study of park-and-ride facilities and their use in the San Francisco Bay Area of California”, with Deakin E., presented at the 84th Annual Meeting of the Transportation Research Board, Washington, D.C., January 9-13, 2005

### **Other Conference Papers (Abstract refereed)**

- CP1. “Tracing the geography of fatalities from policing in the United States: What do transportation-related incidents tell us?” presented at the 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, October 14, 2017
- CP2. “Raise transit funding through gas taxes or higher fares? An exploration of opinions across urbanized areas in the united states, 2012-2016”, with Agrawal, A. and Nixon, H., presented at the 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, October 13, 2017
- CP3. “Do time constraints faced by Canadian women influence their travel behavior and mode choice differently than men?”, with Bennett, K.\*, presented at the 56th Annual Conference of the Association of Collegiate Schools of Planning, Portland, November 5, 2016
- CP4. “Investigating barriers to using TNC Services for seniors (65 and over) in Edmonton, Canada”, with Reiniger, J.\*, presented at the American Association of Geographers’ Annual Meeting, San Francisco, March 31, 2016
- CP5. “The impact of free residential parking on parking pricing policies in employment centers and commercial districts”, with Deakin, E., presented at the 54th Annual Conference of the Association of Collegiate Schools of Planning, Philadelphia, October 30, 2014
- CP6. “Managing campus parking: Supply, demand and regulatory practices at the University of California, Berkeley”, with Deakin, E., presented at the 54th Annual Conference of the Association of Collegiate Schools of Planning, Philadelphia, October 30, 2014
- CP7. “Motorized two-wheeler ownership and use in India: The case of Mumbai”, presented at the Urban Transport Pathways Conference, David Brower Center, Berkeley, September 13, 2012
- CP8. “Transit oriented development in the Chinese context—A case from Jinan”, with Duduta, N.\*, presented at the 14th Annual University of California Transportation Center Conference, UC Riverside, February 13, 2009

## Other: Reports, Working Papers, Theses, Other Articles

- O1. Agrawal, A., **Shirgaokar, M.**, Misra, A., Wachs, M., Dobbs, B. (2020). “Will ride-hailing enhance mobility for older adults? A California survey” (No. 20–30). Mineta Transportation Institute, San Jose, CA. <https://transweb.sjsu.edu/research/1815-Ride-hailing-Mobility-Older-Adults-California>
- O2. Bennett, K.\* and **Shirgaokar, M.** (2016). “Social sustainability of public transit: An overview of the literature and findings from expert interviews”, report submitted to Transit Strategy, Transportation Planning, City of Edmonton.  
[https://www.edmonton.ca/city\\_government/documents/RoadsTraffic/social\\_transit.pdf](https://www.edmonton.ca/city_government/documents/RoadsTraffic/social_transit.pdf)
- O3. Deakin, E., Rivadeneyra, A.\*, **Shirgaokar, M.**, and Riggs, W. (2014). “Parking innovations in the City of Berkeley: Evaluation of the goBerkeley program”, report submitted to the City of Berkeley, California
- O4. Deakin, E., Miller, R.\*, Pincus-Roth, E.\*, Wickland, T.\*, Sen, A.\*, **Shirgaokar, M.**, Liu, Q.\*, and Riggs, W. (2013). “Campus parking demand: Results from baseline data collection and analysis”, report submitted to the University of California, Berkeley
- O5. **Shirgaokar, M.** (2013). “Limitations of the Anti-Floor Space Index Position”, *Economic & Political Weekly (EPW)*, 48(29), 123-125.  
[https://www.researchgate.net/publication/289072514\\_Limitations\\_of\\_the\\_anti-floor\\_space\\_index\\_position](https://www.researchgate.net/publication/289072514_Limitations_of_the_anti-floor_space_index_position)
- O6. **Shirgaokar, M.** (2012). “The rapid rise of middle-class vehicle ownership in Mumbai”, University of California, Berkeley. Doctoral dissertation. Committee: Elizabeth Deakin (Chair), Robert Certero, Joan Walker. <https://escholarship.org/uc/item/84v2140d#main>
- O7. Deakin, E., Duduta, N.\*, **Shirgaokar, M.\***, and *Tal, G.* (2010). “Transit-oriented development (TOD) design proposals for Fresno”, report submitted to the California High Speed Rail Authority
- O8. Deakin, E., **Shirgaokar, M.\***, et al. (2008). “Transit oriented development for High Speed Rail (HSR) in the Central Valley, California: Design Concepts for Stockton and Merced”, report submitted to the California High Speed Rail Authority
- O9. Deakin, E., **Shirgaokar, M.**, et al. (2005). “System plan for California’s Bay Area Regional Express Bus Service”, report submitted to Department of Transportation, California, District 4
- O10. **Shirgaokar, M.** (2002). “Living at the International House, Berkeley”, University of California, Berkeley. Master’s research thesis. Committee: Galen Cranz (Chair), Clare Cooper Marcus, Renee Chow, Kenneth Craik
- O11. **Shirgaokar, M.** and Deakin, E. (2001). “California housing trends: Implications for transportation planning”, University of California Transportation Center. <https://escholarship.org/uc/item/5q87h87h>
- O12. Deakin, E., **Shirgaokar, M.**, et al. (2001). “Twelve trends for consideration in California’s transportation plan”, University of California Transportation Center.  
<https://escholarship.org/uc/item/29r3w4r6>
- O13. **Shirgaokar, M.** (1998). “Center for Creative Arts, North Maharashtra University, Jalgaon”, *Journal of the Indian Institute of Architects*, Volume 63, Issue 01

## Grants

(All grants > \$1,000) (Type: G – Government; U – University)

<i>Year</i>	<i>Grantor</i>	<i>Purpose</i>	<i>PI</i>	<i>Type</i>	<i>Amount</i>
2021	NSF SCC-CIVIC-PG	Research Funding	Makarewicz (PI) Shirgaokar (co-PI)	G	\$49,889
<i>Project title:</i> Undesigning the redline and reimagining mobility investments to equitably link jobs, affordable housing, and services. <a href="https://www.nsf.gov/awardsearch/showAward?AWD_ID=2043330&amp;HistoricalAwards=false">https://www.nsf.gov/awardsearch/showAward?AWD_ID=2043330&amp;HistoricalAwards=false</a>					
2020	Univ. of Colorado Denver	Research Funding	Shirgaokar (PI) Marshall (co-PI)	U	\$20,000
<i>Project title (Presidential Initiative on Urban and Place-Based Research):</i> Learning from the travel experiences of Persons with Disabilities (PWDs): Investigating navigation challenges posed by infrastructure. <a href="https://www.ucdenver.edu/urban/homepage/2020-award-recipients/learning-from-the-travel-experiences-of-persons-with-disabilities-(pws)">https://www.ucdenver.edu/urban/homepage/2020-award-recipients/learning-from-the-travel-experiences-of-persons-with-disabilities-(pws)</a>					
2020	College of Architec -ture and Planning, Univ. of Colorado	Research Funding	Shirgaokar (PI) Marshall (co-PI)	U	\$10,000
<i>Project title (EVOLVE Seed Grant):</i> Learning from the travel experiences of Persons with Disabilities (PWDs): Investigating navigation challenges posed by infrastructure.					
2020	Mountain Plains Consortium (R8)	Research Funding	Shirgaokar (PI) Marshall (co-PI)	G	\$120,000
<i>Project title:</i> Learning from the travel experiences of Persons with Disabilities (PWDs): Investigating navigation challenges posed by infrastructure. <a href="https://www.mountain-plains.org/research/details.php?id=511">https://www.mountain-plains.org/research/details.php?id=511</a>					
2019	Univ. of Colorado Denver	Research Funding	Shirgaokar	U	\$12,500
<i>Project title#1:</i> Travel behavior of socio-economically disadvantaged populations in the US. <i>Project title#2:</i> Policing and fatalities in the transportation realm.					
2018	Mineta Transportation Institute	Project Funding	Agrawal (PI) Shirgaokar (co-PI)	G	\$73,428
<i>Project title:</i> Will older Californians step into ride-sharing services? Evaluating the potential of transportation network companies to enhance multimodal travel for seniors. <a href="https://transweb.sjsu.edu/mctm/research/utc/Will-Ride-Hailing-Enhance-Mobility-Older-Adults-California-Survey">https://transweb.sjsu.edu/mctm/research/utc/Will-Ride-Hailing-Enhance-Mobility-Older-Adults-California-Survey</a>					
2015	City of Edmonton, Transit Planning	Project Funding	Shirgaokar	G	C\$6,000
<i>Project title:</i> Social sustainability in transit: Policy guidance for Edmonton Transit System					
2014	Univ. of Alberta, Edmonton	Research Funding	Shirgaokar	U	C\$68,500
<i>Project title#1:</i> Seniors and ridesharing: Investigating barriers to using Uber-like Services					

	<i>Project title#2: Determinants of scooter, motorcycle, and car ownership in India</i>				
2011	Univ. of California Transportation Center, Berkeley	Dissertation Research	Shirgaokar	U	\$20,000
	<i>Project title: Understanding the links between regulatory costs, aspirations, social status, and (un)sustainable travel behaviors</i>				
2011	Univ. of California, Berkeley, Graduate Dean's Grant	Dissertation Research	Shirgaokar	U	\$30,000
	<i>Project title: Impacts of higher travel costs on motorization in India</i>				
2010	Eisenhower Travel Grant, Federal Highway Authority	Conference	Shirgaokar	G	\$1,500
	<i>Project title: Climate change: A global challenge</i>				
2010	Univ. of California, Berkeley, Dept. of City & Regional Plng	Research Block Grant	Shirgaokar	U	\$2,500
	<i>Project title: (Dissertation development)</i>				
2009	Univ. of California, Berkeley, Dept. of City & Regional Plng	Research Block Grant	Shirgaokar	U	\$5,000
	<i>Project title: (Dissertation development)</i>				
2008	Univ. of California, Berkeley, Dept. of City & Regional Plng	Research Block Grant	Shirgaokar	U	\$8,000
	<i>Project title: (Dissertation development)</i>				

Other Grants:

2020	Young Upwardly Mobile Professors fund, Center for Faculty Development, Univ. of Colorado Denver
2010, 2009, 2008, 2001, 2000	Grant-In-Award, Berkeley International Office, Univ. of California, Berkeley
2000	International House Scholarship, Berkeley
2000, 1999	Block Grant, Dept. of Architecture, Univ. of California, Berkeley



## **B. TEACHING**

### **Courses Taught**

#### University of Colorado Denver: (2019 onwards)

- URPL 6225: Urban Policy Analytics (G) (Spring 2020-21) (Lecture + Lab; ~10 students)
- URPL 6250: GIS for Urban Planning (G) (Fall 2019-21) (Lecture + Lab; ~15 students)
- URPL 6555: Transportation, Land Use, and the Environment (G) (Spring 2019-21) (Lecture + Seminar; ~15 students)
- URPL 6560: Transit, Bike & Ped Planning (G) (Fall 2019-21) (Lecture; ~15 students)

#### University of Alberta, Edmonton: (2014-18)

- HGP 211: Design Fundamentals for Planners (UG) (Winter 2018-16) (Studio; ~20 students)
- PLAN 570/HGP 570/HGP 470: Geographical Information Systems (G/UG) (Winter 2018-15) (Lecture + Lab; ~30 students)
- PLAN 585/HGP 485: Transportation Planning and Policy (G/UG) (Fall 2018/2016, Winter 2015) (Lecture + Seminar; ~25 students)

#### University of California, Berkeley: (2013-12; 2000)

- CRP 218: Transportation Planning Studio (G) (Lecturer, Spring 2013)
- InCity: Sustainability Studio (UG) (Teaching assistant, Summer 2012)
- ED 4: People and the Environment (UG) (Teaching assistant, Spring 2000)

#### Maharaja Sayajirao University, Baroda (1998-1997)

- Sciography and Perspective (UG) (Lecturer, Spring 1998)
- Solid Geometry (UG) (Lecturer, Fall 1997)

### **Advising and Thesis Committees**

#### University of Colorado Denver

##### Doctoral

1. Nobler, E., "Title TBD", 2019- (PhD in Geography, Planning, and Design – Chair)
2. Coppola, N., "Where the Sidewalk Begins: Evaluating Pedestrian Infrastructure, Planning, and Equity Using GIS and Big Data", 2019-21 (PhD in Civil Engineering Systems – External examiner)

##### Master's

3. Melorango, S., "Title TBD", 2020-21 (MURP Planning – Thesis chair)
4. Green, J., "Assessing ongoing gentrification and risk in suburban bedroom communities: Findings from metro Denver", 2019-21 (MURP Planning – Thesis chair)

University of Alberta Edmonton

Doctoral

1. Reynard, D., “Carbon pricing and its effect on mobility and social exclusion in Canada”, 2017-20 (PhD in Urban Planning – Co-chair) (Dr. Reynard is at Employment and Social Development, Government of Canada)
2. Chen, Y., “An accessibility-based framework for enhancing a socially resilient and sustainable urban built environment for seniors”, 2018 (PhD in Civil and Environmental Engineering; candidacy defense – External examiner)
3. Nielsen, C., “The geography of being born too small and spatiotemporal relationships with the outdoor environment”, 2018 (PhD in Human Geography and Medical Sciences + Pediatrics; thesis defense – Internal examiner)
4. Talaei, A., “Analysis of long-term energy efficiency improvement and GhG mitigation potential in Canada’s manufacturing industries”, 2017 (PhD in Mechanical Engineering candidacy defense; candidacy defense – External examiner)

Master’s

5. Chan, M., “An exploration of public-sector transportation programs and services for aging societies in major metropolitan Canadian cities”, 2019 (MSc in Planning – Advisor)
6. Woo, M., “Developing HOV lane and ramp meter analysis frameworks for Alberta highways”, 2018 (MSc in Transportation Engineering – Co-advisor)
7. Whited, B., “Application of Graph-Theoretic Indicators in Multi-Modal Public Transportation Networks”, 2018 (MSc in Transportation Engineering – External examiner)
8. Hui, K., “Investigating the use of anonymous cellular data for intercity travel patterns in Alberta”, 2017 (MSc in Transportation Engineering – External examiner)
9. Shi, L., “Bus arrival time reliability analyses and dynamic prediction model based on multi-source data”, 2016 (MSc in Transportation Engineering – External examiner)
10. Lan, C., “Route-level transit passenger origin-destination trip estimation from Automatic Passenger Counting data: A case study in Edmonton”, 2015 (MSc in Transportation Engineering – External examiner)
11. Sikdar, R., “Reliability assessment and improvements along a bus corridor”, 2014 (MSc in Transportation Engineering – External examiner)

Undergraduate

12. Bennett, K., “Time budget effects on travel behavior and mode choice: A case study of gender differences in Edmonton”, 2016 (BA in Human Geography and Planning – Advisor)
13. Gillespie, D., “Qualitative Assessment of Winter Cyclists in Edmonton”, 2015 (BA in Human Geography and Planning – Advisor)

## C. SERVICE

### Service to University

#### University of Colorado, Denver

2020-21	Departmental Search Committee (Environmental Planning position)
2019-21	Faculty Representative on Board for the American Planning Association, Colorado
2019-21	DURP Admission Committee
2019	Ph.D. Program Task Force

#### University of Alberta

2017-18	Undergraduate URP advisor; MSc URP program admissions
2016-17	MSc URP program admissions; URP program website; URP studio management
2015-16	Space planning committee
2014-15	Undergraduate URP admissions committee

### Service to Scholarly Community

	2009-15	2016	2017	2018	2019	2020	2021	Totals
<u>Peer Reviewing Activity</u>								
<i>Journals/Conferences</i>								
Applied Geography				1				1
Bridging Transportation Researchers						4		4
Canadian Geographer	1							1
Case Studies on Transport Policy			1					1
Cities				1	4	1	1	7
GeoForum		1						1
Geography Compass				1	1			2
International Journal of Sustainable Transportation		1		1				2
Journal of International Development							1	1
Journal of Planning Education and Research				3	2			5
Journal of the American Planning Association			1	2	1	1	1	6
Journal of Transport Geography		2	1		1			4
Journal of Transportation and Land Use (/WCTR)	2	1				1		4
Journal of Urban Planning and Development	11	1	1					13
Land Use Policy				1				1
Sustainability	2							2
Sustainable Cities and Society		1	1					2
Technology Forecasting and Social Change			2					2
Transport Policy	23	2	2				1	28
Transport Reviews				2				2
Transportation							2	2

Transportation in Developing Economies		1						1
Transportation Research Record (/TRB)	8	2	2	2	4	4		22
Transportation Research: Part A Policy and Practice			2			1		3
Transportation Research: Part D Transport and Environment					1			1
Travel Behavior and Society	1							1
Urban Planning			1					1
Urban Research and Practice			1					1
Urban Studies		1	3					4
<i>Granting Agencies</i>								
Mountain-Plains Consortium (MPC) UTC Region 8	1							1
Natural Sciences and Engineering Research Council of Canada	1							1
STRIDE (Southeastern Transportation Research, Innovation, Development and Education Center)				1				1
XJTLU Research Development Fund		1						1
<b>Total by Year</b>	<b>50</b>	<b>14</b>	<b>18</b>	<b>15</b>	<b>14</b>	<b>12</b>	<b>6</b>	<b>129</b>

### Invited Talks and Organized Events

1. Panelist for “Feminist Spaces: How to Plan & Design Denver for Women” organized by the APAS-WTS Colorado student chapter, Denver, November 12, 2020
2. Roundtable discussion “Preparing Students to Become GIS Practitioners in a Fast-paced Field” at the GIS in the Rockies Conference, September 17, 2019
3. Invited talk “Investigating Equity in Transportation Planning: Lessons from Talking to Older Adults + Modeling Gender-specific Differences” at the College of Architecture and Planning, University of Colorado Denver, May 3, 2018
4. Invited talk on “Winter city cycling: What works and how can it be made better?” at the Geography and Planning Students’ Society (GAAPS) annual symposium Urban Week, Edmonton, March 22, 2018
5. Talk on research methods “Contrasting methods for investigating policy questions: When to use qualitative and quantitative approaches?” at the Graduate Students’ society of Earth Atmospheric Sciences (ATLAS) weekly symposium, Edmonton, January 19, 2018
6. Invited talk on qualitative research methods for graduate transportation engineering students “How different are Indian women and men on time budgets and safety? Implications for transportation research” at the Center for Infrastructure, Sustainable Transportation and Urban Planning, Indian Institute of Science, Bengaluru, November 30, 2017
7. Session organizer “Examining the contours of racial equity and planning: Where might planning practice intersect movements such as Black Lives Matter (#blm)?” at the 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, October 14, 2017
8. Invited panelist on area of expertise (Transportation Planning and Policy) “International planning education: Refresh your syllabus” at the 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, October 14, 2017
9. Invited talk on the use of cartography in social science research for non-geographers “Using geospatial techniques for urban planning and policy analysis” at the Research Innovation Space in

Education, University of Alberta, March 17, 2017 (available at <https://bluejeans.com/playback/s/iiOj3emOy8ronl1IhCqOCapzBkgV9npR0OMA45V2QBMNpHFuP7QX2Oa2aN7x43Jr>, accessed October 1, 2019)

10. Invited talk on research methods for graduate transportation engineering students “Contrasting methods for investigating consumer demand for transportation policy: When to use qualitative and quantitative approaches?” at the Donadeo Innovation Centre for Engineering, University of Alberta, Institute of Transportation Engineers (Student Chapter), February 2, 2017
11. Chaired organized session “Transport, mobility, and political economies of sustainability” at the American Association of Geographers’ Annual Meeting, San Francisco, March 31, 2016

## Media Engagement

1. Annually conducted Geographic Information Systems poster session on municipal planning issues, based on GIS course each Winter term, hosted by City of Edmonton and attended by City employees and industry partners. This event was attended by various senior municipal policymakers including the mayor and city councillors. Attendance grew from 40 in 2014 to over 125 in 2018. In 2018, the projects were covered by various media outlets. (<http://edmontonjournal.com/news/local-news/edmontons-top-10-neighbourhoods-might-be-unexpected-gems-u-of-a-students>, accessed January 22, 2021; <http://www.cbc.ca/listen/shows/edmonton-am/segment/15538019>, accessed October 1, 2019)
2. “Tailored education could increase use of city’s bike lanes”, interviewed for *folio* article on applied research conducted by faculty, November 24, 2017 (available at <https://www.folio.ca/tailored-education-could-increase-use-of-citys-bike-lanes/>, accessed January 22, 2021)
3. “How to engage Edmontonians this civic election”, invited to talk about transit policy in Edmonton at a non-profit interVivos aiming at informing citizens through non-partisan views of various civic issues. Interviewed by *Global News* for television, September 19, 2017 (available at <https://globalnews.ca/news/3754626/how-to-engage-edmontonians-this-civic-election/>, accessed January 22, 2021)
4. “Money garnered by speed tickets worth the cost”, expert interview in *Edmonton Examiner* on a proposal to increase speeds on freeways, May 23, 2017 (available at <http://www.edmontonexaminer.com/2017/05/23/money-garnered-by-speed-tickets-worth-the-cost>, accessed April 20, 2018)
5. “MaaS Effect - The private vehicle is looking costly, wasteful, dirty and plain old passé as more people take advantage of the “mobility-as-a-service” ecosystem. Is it time to welcome our new transportation overlords?”, expert interview for Alberta School of Business, March 14, 2017 (available at <https://www.ualberta.ca/business/alumni/ualberta-business-magazine/2017-spring/features/maas-effect>, accessed January 8, 2019)
6. “Better bike infrastructure would make Edmonton safer for pedestrians and cyclists: pedestrians”, expert interview in *Metro News* on research conducted in Edmonton regarding bicycling in winter, December 9, 2016 (available at [https://ssl.eas.ualberta.ca/sitecore/download/file/papers/paper\\_244.pdf](https://ssl.eas.ualberta.ca/sitecore/download/file/papers/paper_244.pdf), accessed January 22, 2021)
7. “If we build it, will they bike?”, interview in *University of Alberta News* on applied research

conducted by faculty, October 13, 2016 (available at [https://ssl.eas.ualberta.ca/sitecore/download/file/papers/paper\\_229.pdf](https://ssl.eas.ualberta.ca/sitecore/download/file/papers/paper_229.pdf), accessed January 22, 2021)

8. “The case for investing billions in Edmonton bus rapid transit”, expert interview in *Edmonton Journal* on capital intensive investments, April 27, 2016 (available at <http://edmontonjournal.com/news/politics/david-staples-the-case-for-investing-billions-in-edmonton-bus-rapid-transit>, accessed January 22, 2021)
9. “Intermodal transit hub needed for passengers, too”, opinion in *Edmonton Journal* on a major transit planning issue in Edmonton, November 3, 2014 (available at <http://edmontonjournal.com/opinion/opinion-intermodal-transit-hub-needed-for-passengers-too>, accessed January 22, 2021)

## **HONORS: SCHOLARLY AND ACADEMIC**

- |      |  |
|------|--|
| 2017 | Emerging Scholar Award: Regional Development & Planning Specialty Group, American Association of Geographers, Boston, MA |
| 1998 | Shrimati Hansaben Mehta Gold Medal in Architecture, Maharaja Sayajirao University, Baroda                                |
| 1998 | Professor M B Dave Gold Medal in Architecture, Maharaja Sayajirao University, Baroda                                     |
| 1998 | Rupal K. Engineer Memorial Gold Medal, Maharaja Sayajirao University, Baroda   |
| 1997 | Shrimati Hari Ichhaben Kamdar merit medal/certificate, Institution of Engineers, India                                   |

## **ACADEMIC, RESEARCH, AND PROFESSIONAL AFFILIATIONS**

- |         |  |
|---------|--|
| 2014-21 | Certified Member, American Planning Association, AICP  |
| 2017-22 | Research Associate, Mineta Transportation Institute, San Jose State University, CA   |
| 2016-22 | Member, World Society of Transportation and Land Use Research (WSTLUR)   |
| 2016-19 | Affiliate Member, Transportation Research Board (TRB)  |
| 2017-20 | Member: TRB Subcommittee on Mainstreaming Global Research and Multi-faceted Data Collection on Gender Issues in Transportation ABE70 (2) |
| 2015-18 | Member, American Association of Geographers  |