

STEPHEN D. WONG, Ph.D.

Assistant Professor
Civil and Environmental Engineering
University of Alberta (2021 – present)



Education

Ph.D. in Civil and Environmental Engineering University of California, Berkeley Emphasis in Transportation Engineering Minors in City and Regional Planning & Econometrics	2016 – 2020
M.S. in Civil and Environmental Engineering University of California, Berkeley Emphasis in Transportation Engineering	2015 – 2016
B.S. in Civil Engineering Johns Hopkins University Second Major in Sociology	2011 – 2015

Research Interests

Resilience: Evacuations, evacuee behavior, sharing economy for disasters, resilience hubs, system operations, shared mobility, homesharing, wildfires, flooding, hurricanes, multi-modality in evacuations, equity, underserved populations, big data, power grid, power shutoffs, disaster and evacuation planning/policy, infrastructure resilience, social capital

Sustainability: Shared mobility, mobility on demand (MOD), mobility as a service (MasS), ridehailing, transportation network companies (TNCs), carpooling, public transit, microtransit, curb management, active transportation, social equity, racial justice, electric vehicles, smart charging programs, automated vehicles

Methodology: Discrete choice analysis, statistical and econometric analysis, policy development, surveys, focus groups, qualitative interviewing, spatial and data analysis

Information

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- Updated December 2023

Highlights

Interdisciplinary researcher and engaging teacher in transportation engineering with a focus on resilience and sustainability

Focus on engineering application, policy development, and knowledge building for governments

7+ years of expertise in evacuations from large-scale hazards, shared mobility, and discrete choice modeling

Author or co-author of 14 journal publications, 10 reports, 1 book chapter, and 3 policy briefs

Active member and volunteer for the Transportation Research Board, the International Association for Fire Safety Science, and the Society of Fire Protection Engineers

Experienced consultant on transportation and evacuation planning

Past Research and Work Experience

Consulting (U.S. Based Only)

Consulting work has focused predominately on advising or conducting evacuation analyses in California communities prone to wildfire risks. Key tasks have included: integrating current research into evacuation models and planning, analyzing vulnerable communities and underserved groups, managing data collection in communities, and developing transportation strategies for communities in disasters.

San Gabriel Valley Council of Governments (SGVCOG) Regional Evacuation Analysis 2023 – 2024

Client: SGVCOG

Primes: Jensen Hughes and Kittelson & Associates

Ojai Valley Wildfire Vulnerability and Evacuation Assessment 2022 – 2024

Client: FireSafe Council - Ojai Valley

Primes: Jensen Hughes and Kittelson & Associates

Tuolumne County Evacuation Plan 2022 – 2023

Client: Tuolumne County, California

Primes: Jensen Hughes and Kittelson & Associates

East Bayshore Road Redevelopment - Evacuation Analysis 2021

Client: Redwood City, California

Primes: Fehr & Peers, Jensen Hughes

Head-Royce School Environmental Impact Report - Evacuation 2020 – 2021

Client: Head-Royce School

Prime: Lamphier-Gregory

Kensington Evacuation Research Project 2019 – 2020

Clients: Contra Costa County and the Kensington Fire Protection District

University of California, Berkeley

Research and Development Engineer January 2021 – June 2021

California Resilient and Innovative Mobility Initiative (CA RIMI)

Transportation Sustainability Research Center (TSRC)

- Helped develop the California Resilient and Innovative Mobility Initiative (CA RIMI)
- Conducted research on the impacts of COVID-19 on transportation
- Crafted a roadmap for public transit and shared mobility recovery from COVID-19
- Evaluated Mobility on Demand (MOD) pilot projects.

Graduate Student Researcher June 2020 – December 2020

UC Berkeley Institute of Transportation Studies

SB1 COVID-19 Response and Recovery Grant: Designing and executing a rapid response research project to address the implications of COVID-19 during an evacuation via an immediate strategy checklist for public agencies and an actionable evacuation playbook.

Graduate Student Researcher

Fall 2019 – 2020

California Resilient and Innovative Mobility Initiative

UC Institute of Transportation Studies: Creating and developing the California Resilient and Innovative Mobility Initiative (CA RIMI), which received \$10 million to deliver statewide and impartial long-term research, policy analysis, knowledge transfer, and real-world technical assistance.

Graduate Student Researcher

Fall 2018 – Summer 2019

UC Berkeley Institute of Transportation Studies

SB 1 Grant: Designing and executing a research project on wildfire evacuation behavior in California and the feasibility of leveraging the sharing economy in disasters.

Graduate Student Researcher

Summer 2018

Transportation Sustainability Research Center

Original Equipment Manufacturer Project: Researching electric vehicle charging behavior and the feasibility of charging incentive programs.

Research Assistant

Fall 2015

UC Berkeley Institute of Transportation Studies

MyGreenCar Research Project: Developing a behavioral experiment to increase EV ownership and providing behavioral recommendations to switch driver behavior.

Delft University of Technology

Guest Researcher

Fall 2018

National Science Foundation

Transport and Logistics Group: Advancing choice modeling techniques to analyze evacuation behavior with Prof. Caspar Chorus and Prof. Adam Pel.

Industry and Public Agencies

Integrated Planning Intern

Summer/Fall 2017

Arup

Transport Planning Group: Delivering transportation planning solutions in areas including evacuation planning, sharing economy partnerships, curb management, transportation demand, and pedestrian modeling.

College Aide

Summer 2016

New York City Transit at the Department of Subways

Recovery and Resiliency Group: Analyzing solutions for recovering from Hurricane Sandy and building preparedness on projects on disruption management, heatwave impacts, and winter storm operations.

Johns Hopkins University

Research Assistant

2014-2015

Sensor Technology and Infrastructure Risk Mitigation Lab

Research Assistant & Co-Facilitator of Fieldwork

2013-2015

Poverty and Housing Research Group

Transport Planning Group: Delivering transportation planning solutions in areas including evacuation planning, sharing economy partnerships, curb management, transportation demand, and pedestrian modeling.

Research Products

Dissertation

Wong, S. (2020). Compliance, Congestion, and Social Equity: Tackling Critical Evacuation Challenges through the Sharing Economy, Joint Choice Modeling, and Regret Minimization. University of California, Berkeley. Dissertation. <https://www.proquest.com/docview/2509694368?pq-origsite=gscholar&fromopenview=true>

Peer-Reviewed Journal Publications

- J1.** Wan, S. & **Wong, S.** (2023). Equity in Resilience Hub Design and Transportation through Community Discussions. *Findings*. Accepted.
- J2.** Pan, M., **Wong, S.**, Tainter, F., Woelfel, S., & Ryan, A. (2023). Integrating equity in transportation scenario planning: A systematic review. *Transport Policy*, 145, 85–95. <https://doi.org/10.1016/j.tranpol.2023.10.015>
- J3.** **Wong, S.**, Shaheen, S., Martin, E., & Uyeki, R. (2023). Do incentives make a difference? Understanding smart charging program adoption for electric vehicles. *Transportation Research Part C: Emerging Technologies*, 151, 104123. <https://www.sciencedirect.com/science/article/abs/pii/S0968090X23001122>
- J4.** Elhami-Khorasani, N., Kinateder, M., Lemiale, V., Manzello, S. L., Marom, I., Marquez, L., ... & **Wong, S.** (2023). Review of Research on Human Behavior in Large Outdoor Fires. *Fire Technology*, 1-37. <https://link.springer.com/article/10.1007/s10694-023-01388-6>
- J5.** Ciriaco, T. & **Wong, S.** (2022). Review of Resilience Hubs and Associated Transportation Needs. *Transportation Research Interdisciplinary Perspectives*. <https://www.sciencedirect.com/science/article/pii/S2590198222001579>
- J6.** **Wong, S.**, Broader, J., Walker, J. & Shaheen, S. (2022). Understanding California Wildfire Evacuee Behavior and Joint Choice-Making. *Transportation*. <https://link.springer.com/article/10.1007/s11116-022-10275-y>
- J7.** **Wong, S.**, Broader, J. & Shaheen, S. (2022). Power Trips: Early Understanding of Preparedness and Travel Behavior during California Public Safety Power Shutoff Events. *Transportation Research Record*. <https://journals.sagepub.com/doi/full/10.1177/03611981221078569>
- J8.** **Wong, S.**, Yu, M., Kuncheria, A., Shaheen, S. & Walker, J. (2022): Understanding the Willingness to Share Resources in Evacuations: A Multi-Modeling Approach. *Transportmetrica Part A: Transport Science*. <https://www.tandfonline.com/doi/full/10.1080/23249935.2021.2017064>
- J9.** Zhao, B. & **Wong, S.** (2021). Developing Transportation Response Strategies for Wildfire Evacuations via an Empirically Supported Traffic Simulation of Berkeley, California. *Transportation Research Record*. <https://journals.sagepub.com/doi/10.1177/036119812111030271>
- J10.** **Wong, S.**, Walker, J., & Shaheen, S. (2021). Trust and Compassion to Share Mobility and Sheltering Resources in Evacuations: A Case Study of the 2017 and 2018 California Wildfire. *International Journal of Disaster Risk Reduction*. <https://www.sciencedirect.com/science/article/abs/pii/S2212420920314023>

- J11. Wong, S.,** Chorus, C., Shaheen, S. & Walker, J. (2020). A Revealed Preference Methodology to Evaluate Regret Minimization with Challenging Choice Sets: A Wildfire Evacuation Case Study. *Travel Behaviour and Society*. <https://www.sciencedirect.com/science/article/pii/S2214367X19303291>
- J12. Wong, S.,** Broader, J. & Shaheen, S. (2020). Can Sharing Economy Platforms Increase Social Equity for Vulnerable Populations in Disaster Response and Relief? A Case Study of the 2017 and 2018 California Wildfires. *Transportation Research Interdisciplinary Perspectives: No Notice Evacuations Call for Papers*. <https://www.sciencedirect.com/science/article/pii/S2590198220300427>
- J13. Wong, S.,** Walker, J., & Shaheen, S. (2020). Bridging the Gap Between Evacuations and the Sharing Economy. *Transportation*. <https://link.springer.com/article/10.1007/s11116-020-10101-3>
- J14. Wong, S.,** Pel, A., Shaheen, S., Chorus, C. (2020). Fleeing from Hurricane Irma: Empirical Analysis of Evacuation Behavior Using Discrete Choice Theory. *Transportation Research Part D: Disasters and Resilience Section*. <https://www.sciencedirect.com/science/article/pii/S1361920919312866>

Research Reports

- R1.** Martin, E., Wong, S., Cohen, A., Soysal, S., Shaheen, S., & Brown, L. (2022). Mobility on Demand (MOD) Sandbox Demonstration: Los Angeles County and Puget Sound First and Last Mile Partnership with Via Evaluation Report (No. FTA Report No. 0239). <https://www.transit.dot.gov/research-innovation/mobility-demand-sandbox-demonstration-los-angeles-county-and-puget-sound-first>
- R2.** Martin, E., Yassine, Z., Cohen, A., **Wong, S.,** Soysal, S., Shaheen, S., & Brown, L. (2022). Mobility on Demand (MOD) Sandbox Demonstration: City of Palo Alto and Bay Area Fair Value Commuting Evaluation Report (No. FTA Report No. 0206). https://www.transit.dot.gov/sites/fta.dot.gov/files/2021-12/FTA-Report-No-0206_1.pdf
- R3.** Martin, E., Cohen, A., **Wong, S.,** Soysal, S., Shaheen, S., & Brown, L. (2022). Mobility on Demand (MOD) Sandbox Demonstration: Regional Transportation Authority (RTA) of Pima County Adaptive Mobility with Reliability and Efficiency (AMORE), Evaluation Report (No. FTA Guidance Report No. 0202). <https://www.transit.dot.gov/sites/fta.dot.gov/files/2021-10/FTA-Report-No-0202.pdf>
- R4. Wong, S.,** Broader, J., Cohen, A., & Shaheen, S. (2021). Double the Trouble: A Playbook for COVID-19 and Evacuations. <https://escholarship.org/uc/item/3dm9q8db>
- R5.** Ronchi, E., **Wong, S.,** Suzuki, S., Theodori, M., Wadhvani, R., Vaiciulyte, S., Gwynne, S., Rein, G., Kristoffersen, M., Lovreglio, R., Marom, I., Ma, C., Antonellis, D., Zhang, X., Wang, Z., Masoudvaziri, N. (2021). Case studies of large outdoor fires involving evacuations, Emergency Management & Evacuation (EME) Subgroup of the International Association for Fire Safety Science. <https://zenodo.org/record/4504853>
- R6.** Shaheen, S., **Wong, S.** (2021). Future of Public Transit and Shared Mobility: Scenario Planning for COVID-19 Recovery. <https://escholarship.org/uc/item/15t657r2>
- R7. Wong, S.,** & Shaheen, S. (2020). Synthesis of State-Level Planning and Strategic Actions on Automated Vehicles: Lessons and Policy Guidance for California. <https://escholarship.org/uc/item/6mf030xb>
- R8. Wong, S.,** Broader, J., Shaheen, S. (2020). Review of California Wildfire Evacuations from 2017 to 2019. <https://escholarship.org/uc/item/5w85z07g>
- R9. Wong, S.** & Shaheen, S. (2019). Current State of the Sharing Economy and Evacuations: Lessons from California. SB 1 Report. Retrieved from <https://escholarship.org/uc/item/16s8d37x>. DOI/10.7922/G2WW7FVK
- R10. Wong, S.,** Shaheen, S., & Walker, J. (2018). Understanding Evacuee Behavior: A Case Study of Hurricane Irma. <https://doi.org/10.7922/G2FJ2F00>

Book Chapters

- BC1.** Shaheen, S. & **Wong, S.** (2022). The Future of Public Transit and Shared Mobility: Policy Actions and Research Options for COVID-19 Recovery. *Pandemic in the Metropolis: Transportation Impacts and Recovery* (pp. 313-331). Springer, Cham.

Policy Briefs and Invited Articles

- PB1.** **Wong, S.** (2022). Evacuations and Equity: Emerging Multidisciplinary Approaches, Strategies, and Perspectives. American Planning Association – State of Transportation Planning (2022). Pg. 114. https://issuu.com/apatransport/docs/2022_sotp [Invited]
- PB2.** Shaheen, S., & **Wong, S.** (2021). Public Transit and Shared Mobility COVID-19 Recovery: Policy Options and Research Needs (No. UC-ITS-2021-58). <https://escholarship.org/content/qt9nh6w2gq/qt9nh6w2gq.pdf>
- PB3.** **Wong, S.**, Broader, J., & Shaheen, S. (2020). A Checklist of Immediate Actions for Addressing COVID-19 as Part of Evacuation Planning. <https://escholarship.org/uc/item/6311c0jx>
- PB4.** **Wong, S.** & Shaheen, S. (2019). Leveraging the Sharing Economy to Expand Shelter and Transportation Resources in California Evacuations. Policy Brief. <https://escholarship.org/uc/item/6pw2w52b>. DOI:10.7922/G2WD3XS4

Open-Access Data

- D1.** **Wong, S.**, Shaheen, S., & Walker, J. (2021). 2017 Hurricane Irma Evacuation Survey Data. <http://doi.org/10.5281/zenodo.4407148>
- D2.** **Wong, S.**, Walker, J., & Shaheen, S. (2021). 2017 December California Wildfires Evacuation Survey Data. <http://doi.org/10.5281/zenodo.4407730>
- D3.** **Wong, S.**, Walker, J., & Shaheen, S. (2021). 2018 Carr Wildfire Evacuation Survey Data. <http://doi.org/10.5281/zenodo.4408243>

Forthcoming/In Review Publications

- F1.** Babaei, M., **Wong, S.** (2024). Systematic Review of Electric Vehicles, Resilience, and Evacuations. In Review. <https://era.library.ualberta.ca/items/b8d1280f-4cb3-47ca-a329-63b77b953461>
- F2.** Zehra, S.N., **Wong, S.** (2023). Systematic Review and Research Gaps on Wildfire Evacuations: Infrastructure, Transportation Modes, Networks, and Planning. In Review. <https://era.library.ualberta.ca/items/2764abb1-3afe-47de-a574-6085c58cfb31>
- F3.** Ciriaco, T.C.M., Zehra, S.N., Wambura, V. **Wong, S.** (2023). Equitable Transportation and Resilience Hubs: Analysis of Underserved Population Needs, Usage, and Travel. In Review. <https://era.library.ualberta.ca/items/2a114610-6de2-4035-9625-e53b3ccdca29>
- F4.** Ciriaco, T.C.M., **Wong, S.** (2023). Travel Behavior and Community Needs for Resilience Hubs. Working Paper. <https://era.library.ualberta.ca/items/07ee12ef-ae7-4829-b7d5-30e0681c9c49>
- F5.** Wong, A., Sharma D., Kilani, O., **Wong, S.**, Kwon, T., El-Basyouny, K. (2024). Naturalistic Experiment for Surface Transportation: A Study of Snowplow Lighting Under Winter Conditions. In Review.
- F6.** Fitch-Polse, D.T., Chen, C., **Wong, S.** (2024). Bicycles and Micromobility for Disaster Response and Recovery. In Review. <https://escholarship.org/uc/item/3ks9k4pr#main>

Leadership and Community Service

University of Alberta

- Master of Sustainability Steering Committee – College of Natural and Applied Sciences 2023 – present
- Faculty Hiring Committee – Civil and Environmental Engineering 2023
- Graduate Studies Committee – Civil and Environmental Engineering 2022 – present
- Undergraduate Studies Committee – Civil and Environmental Engineering 2022 – present
- Equity, Diversity, and Inclusion Committee – Civil and Environmental Engineering 2021 – present

Transportation Research Board (TRB): National Academies of Sciences, Engineering, and Medicine

- Member of the Young Member Coordinating Council 2022 – present
- Committee member for AME80, Community Resources and Impacts 2022 – 2023
- Committee member for AJE10, Committee on Strategic Management 2022 – present
- Co-chair for the Young Member Council - Sustainability and Resilience 2021 – present
- Section member for the Transportation System Resilience Section 2021 – present
- Research coordinator for AMR20, Committee on Disaster Response, Emergency Evacuations, and Business Continuity 2021 – present
- Committee member for AMR20, Committee on Disaster Response, Emergency Evacuations, and Business Continuity 2021 – present
- Committee member for ABR30, Committee on Emergency Evacuations 2018-2020

Information and Communications Technology Council (ICTC)

- Committee member of ICTC project on Green Transportation 2023 – present

International Association for Travel Behaviour Research (IATBR)

- Member of IATBR and recipient of the Eric Pas Dissertation Award (2021) 2022 – present

Society of Fire Protection Engineers (SFPE)

- Member of the Wildland-Urban Interface (WUI) Working Group 2022 – present

2nd Conference on Scenario Planning in Transportation

- Appointed as a planning committee member for a scenario planning conference (in coordination with the Transportation Research Board) 2021 – 2022

International Association for Fire Safety Science (IAFSS)

- Member of the Human Behavior in Fires Subgroup 2021 – present
- Member of the Emergency Management and Evacuation Subgroup 2019– 2021

University of California, Berkeley

- President of the Transportation Graduate Students Organizing Committee 2016-2017

The Ulman Foundation

- 4K for Cancer Participant, biking 4,000+ kilometers across the United States to raise funds and awareness in the fight against cancer. Summer 2015

Johns Hopkins University

- Admissions Representative to represent the university at open houses, admitted/prospective student events, and interviews. 2012-2015
- Blue Key Society Member and Executive Board Member to conduct on-campus tours for prospective students and manage the tour guide group. 2011-2015

Group Mission Trips

- Crew Manager to handle logistics of running workcamps that repair homes in low-income communities. Summer 2012/2013

Honors and Awards

University of Alberta

- Transportation Research Board Blue Ribbon Award for Renewal (*TRB Transportation Systems Resilience Section & Young Member Council – Sustainability and Resilience*) 2023
- Outstanding Support of Young Members (*TRB Transportation Systems Resilience Section*)
- Eric Pas Dissertation Prize (*International Association for Travel Behaviour Research*) 2021

University of California, Berkeley

- International Association for Fire Safety Science Best General Poster 2021
- Dwight D. Eisenhower Graduate Research Fellowship 2019
- Dwight D. Eisenhower Graduate Research Fellowship Best Oral Presentation 2019
- Dwight D. Eisenhower Graduate Research Fellowship 2018
- Eno Center for Transportation Future Leader Fellowship 2018
- Rodney Slater Award (Eno Center for Transportation) 2018
- National Science Foundation Graduate Research Opportunities Worldwide Fellowship 2018
- National Science Foundation Graduate Research Fellowship 2015

Johns Hopkins University

- Robert H. Scanlan Award (*Academic excellence in Civil Engineering*) 2015
- James S. Coleman Award (*Academic excellence in Sociology*) 2015
- American Society of Civil Engineers Maryland Section Scholarship 2014
- American Society of Highway Engineers Chesapeake Section Scholarship 2014
- Class of 1929 Scholarship 2013
- Class of 1929 Scholarship 2012

Teaching

Assistant Professor

Fall 2022 – present

Transportation Engineering II [Undergraduate] – CIV E 411

University of Alberta: Leading the instruction and management of the teaching team on the primary transportation elective on: 1) transportation demand analysis and modeling; 2) transportation planning; 3) concepts in transportation engineering; 4) traffic flow analysis; and 5) signal analysis/design. Taught once.
 Fall 2022: Overall Instructor Excellence – 4.7/5.0 (68 students)

Sustainable and Resilient Transportation [Graduate] – CIV E 719

University of Alberta: Developing and teaching a class on emerging and growing transportation goals related to: 1) sustainable transportation problems and strategies and 2) resilient transportation problems and strategies. Taught once.
 Fall 2022: Overall Instructor Excellence – 5.0/5.0 (13 students)

Graduate Student Instructor

Spring 2018 and 2019

Transportation Sustainability [Graduate]

UC Berkeley: Assisting in teaching a multi-disciplinary course on: 1) current transportation trends; 2) environmental policy, 3) intelligent transportation; and 4) land use, public transit, and shared mobility. Taught twice.
 Spring 2019: Mean Overall Teaching Effectiveness – 4.5/5.0 (51 students)
 Spring 2018: Mean Overall Teaching Effectiveness – 4.7/5.0 (21 students)

Mentoring and Advising

Graduate Mentorship

Name	University	Role	Level	Research Area	Dates
Thayanne Ciriaco	University of Alberta	PhD Advisor	PhD	Resilience hubs and travel behavior	2023 – present
Javeria Khalid	University of Alberta	Co-MSc Advisor	Grad.	Electric buses and equitable transit shelters	2023 – present
Matthew Blain	University of Alberta	Co-MSc Advisor	Grad.	Safe routes and design near schools	2023 – present
Andres Castellanos	University of Alberta	MEng Advisor	Grad.	Simulation of winter driving	2023
Hector Calvo	University of Alberta	MSc Advisor	Grad.	Resilient and equitable infrastructure	2023 – present
Mohammad Babaei	University of Alberta	MSc Advisor	Grad.	Electric vehicles and disasters	2023 – present

Veronica Wambura	University of Alberta	MSc Advisor	Grad.	Equity in disasters and evacuations	2023 – present
Lotanna Iloekwe	University of Alberta	MEng Advisor	Grad.	Parking and land use	2023
Rami El Hayek	University of Alberta	MEng Advisor	Grad.	Spatial routing in wildfires	2022-2023
Syeda Narmeen Zehra	University of Alberta	MSc Advisor	Grad.	Wildfire evacuations and behavior	2022 – present
Thayanne Ciríaco	University of Alberta	MSc Advisor	Grad.	Resilience hubs and demand modeling	2021 – 2023
Ian Martin	UC Berkeley	Mentor/ Collaborator	Grad.	Urban evacuations	2019
Jeremy Halpern	UC Berkeley	Mentor/ Collaborator	Grad.	Urban evacuations	2019

Undergraduate Mentorship

Name	University	Role	Level	Research Area	Dates
Ian Borody	University of Alberta	UG Advisor	UG	Travel behaviour during wildfires	2023 – present
Nick De Gier	University of Alberta	UG Advisor	UG	Airlift and rural evacuations	2023 – present
Edward Monroe	University of Alberta	UG Advisor	UG	Community design for wildfire evacuations	2023 – present
Brandon Husereau	University of Alberta	UG Advisor	UG	Wildfire evacuation simulation methods	2023 – present
Matthew Blain	University of Alberta	UG Advisor	UG	Resilient streets and infrastructure	Winter 2023
Enqi Liao	University of Alberta	UG Advisor	UG	Travel behavior during flooding events	Winter 2023
Sarah Wan	University of Alberta	UG Advisor	UG	Equity and resilience hubs	Winter 2023

Penny Wei Qi Neoh	University of Alberta	UG Advisor	UG	Discrete choice modeling and wildfire evacuations	Fall 2022
Jacquelyn Broader	UC Berkeley	Intern Advisor	UG	Shared mobility in disasters	2019 – 2020
Julian Greenhill	UC Berkeley	Intern Advisor	UG	Shared mobility in disasters	Fall 2018
Jiayi Li	UC Berkeley	Mentor	UG	Hurricane evacuations	Spring 2018

Grants Received

Funder	Program	Role	Title	Funds	Dates
NSERC	Alliance	Co-PI	Addressing Safety and Accessibility of Active Transportation Pathway Infrastructure through Remote-Sensing Data and Modelling	\$298,500*	2024-2026
National Research Council of Canada	Wildfire Smoke	PI	Analyzing effective procedures during wildfire smoke events through intervention field tests	\$160,800	2023-2026
Government of Alberta	Major Innovation Fund	Co-PI	Exploration of electrified transportation impacts on community and power resilience	\$201,250+	2023-2028
University of Alberta	Vice-President Research and Innovation + Faculty of Engineering	PI	Rapid Response Research for the 2023 Alberta Wildfires: Evacuations, Communities, and Resilience Hubs	\$48,000	2023-2024
NSERC	Discovery Grant+ Discovery Launch Supplement	PI	Transportation Infrastructure and Operational Resilience for Canadian Hazards	\$172,500	2023-2027
UofA Faculty of Engineering	Research Exploration Fund	PI	Moral considerations in individuals' willingness to share their transport during evacuations	\$26,000	2023-2024
Infrastructure Canada	Research and Knowledge Initiative	Co-PI	Strategic Evacuation Planning and Infrastructure: Wildfire, Transportation, and Human Behaviour	\$166,000**	2022 – 2024

Future Energy Systems	Early Career Researchers Program	PI	Resilience of Electric Vehicles during Disasters	\$100,000	2022 – 2024
Mitacs	Accelerate Program	PI	Evacuations and Resilience Hubs: Preparing Edmonton and Canadian Cities for Extreme Events and Climate Change	\$45,000	2022 – 2023
City of Edmonton & Alberta Ecotrust Foundation	CitiesIPCC Legacy Research Grant Program	PI	Evacuations and Resilience Hubs: Preparing Edmonton and Canadian Cities for Extreme Events and Climate Change	\$49,933	2022 – 2023
UC Institute of Transportation Studies	COVID-19 Response and Recovery Program**	Grant Writer & Researcher	Double the Trouble: Evacuations and COVID-19	\$49,992	2020 – 2021
Federal Highway Administration (FHWA)	Dwight D. Eisenhower Transportation Fellowship Program	Fellow	Evacuation Behavior: Increasing Resilience through Regret Minimization and the Sharing Economy	\$35,500	2019 – 2020
Federal Highway Administration (FHWA)	Dwight D. Eisenhower Transportation Fellowship Program	Fellow	Evacuation Behavior: Increasing Resilience through Regret Minimization and the Sharing Economy	\$35,500	2018 – 2019
UC Institute of Transportation Studies	Statewide Transportation Research Program***	Grant Writer & Researcher	Sharing is Caring? Leveraging the Sharing Economy and Crowdsourcing to Bolster California Disaster and Evacuation Planning, Preparedness, and Response	\$80,000	2018-2019
National Science Foundation	Graduate Research Opportunities Worldwide Fellowship	Fellow	Fostering International Evacuation Collaboration: Developing Regret Theory for Behavioral Models and Applying Lessons Learned Across Global Hazards and Emergencies	\$10,000	2018
National Science Foundation	Graduate Research Fellowship	Fellow	Failure Is Not an Option: New Perspectives on Transportation	\$132,000	2015 – 2019
Total (Includes funds as primary grant writer and researcher)				\$1,610,975	

† Approximate amount received from five years of the grant of \$1,155,000; PI is Dr. Petr Musilek

* Amount received from a grant of \$1,260,000; PI is Dr. Karim El-Basyouny; Co-PI is Dr. Candace Nykiforuk

** Indicates approximately how much of the grant was distributed to Dr. Stephen Wong; Co-PIs are Dr. Jen Beverly (University of Alberta) and Dr. Amy Kim (University of British Columbia)

*** PI was Dr. Susan Shaheen, Professor at the University of California, Berkeley

Presentations

Peer-Reviewed Conferences

- C1.** Fitch-Polse, D., Chen, C., **Wong, S.** (November 2023). Bicycles and Micro-Mobility for Disaster Response and Recovery. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Poster Session.
- C2.** **Wong, S.**, Grajdura, S., Alum, MD J., Anderson, W. (November 2023). A Guidebook for Community-Based and Equitable Transportation Response in Disasters. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Lectern Session.
- C3.** **Wong, S.**, Broader, J., Shaheen, S., Walker, J. (November 2023). Identifying Traffic Strategies for Wildfire Evacuations using Past Behaviour of Evacuees. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Poster Session.
- C4.** **Wong, S.**, Broader, J., Shaheen, S. (November 2023). Power Trips: Early Understanding of Preparedness and Travel Behavior during California Public Safety Power Shutoff Events. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Poster Session.
- C5.** Pan, M., **Wong, S.**, Tainter, F., Woelfel, S., & Ryan, A. (August 2023). Integrating equity in transportation scenario planning: A systematic review. Bridging Transportation Researchers (BTR). Lectern Session.
- C6.** **Wong, S.** (May 2023). Identifying Traffic Strategies for Wildfire Evacuations using Past Behaviour of Evacuees. 8th International Wildland Fire Conference. Lectern Session.
- C7.** **Wong, S.**, Walker, J., & Shaheen, S. (May 2023). Trust and Compassion in Willingness to Share Mobility and Sheltering Resources in Wildfire Evacuations. 8th International Wildland Fire Conference. Poster Session.
- C8.** **Wong, S.**, Chorus, C., Shaheen, S., & Walker, J. (December 2022). A Revealed Preference Methodology to Evaluate Regret Minimization with Challenging Choice Sets: A Wildfire Evacuation Case Study. 17th International Conference on Travel Behavior Research
- C9.** **Wong, S.** (October 2022). Lessons Learned from Recent Wildfire Evacuations in California. 2022 Wildland Fire Canada Conference. Lectern Session.
- C10.** **Wong, S.** (October 2022). Identifying Traffic Strategies for Wildfire Evacuations using Past Behaviour of Evacuees. Transportation Association of Canada (TAC) Conference. Lectern Session.
- C11.** **Wong, S.** (October 2022). Planning Resilient Transportation using Post-Disaster Behavioural Insights. Transportation Association of Canada (TAC) Conference. Lectern Session.
- C12.** **Wong, S.**, Broader, J. & Shaheen, S. (August 2022). Power Trips: Early Understanding of Preparedness and Travel Behavior during California Public Safety Power Shutoff Events. Bridging Transportation Researchers (BTR) Conference. Lectern Session.
- C13.** **Wong, S.**, Broader, J. & Shaheen, S. (January 2022). Power Trips: Early Understanding of Preparedness and Travel Behavior during California Public Safety Power Shutoff Events. 101st Annual TRB Meeting. Poster.
- C14.** **Wong, S.**, Broader, J. & Shaheen, S. (September 2021). Can Sharing Economy Platforms Increase Social Equity for Vulnerable Populations in Disaster Response and Relief? A Case Study of the 2017 and 2018 California Wildfires. Conference on Advancing Transportation Equity (CATE). Poster.
- C15.** **Wong, S.**, Broader, J., Walker, J. & Shaheen, S. (August 2021). Understanding California Wildfire Evacuee Behavior and Joint Choice-Making. Bridging Transportation Researchers (3rd Annual). Lectern Session.
- C16.** **Wong, S.**, Walker J., & Shaheen, S. (April 2021). Trust and Compassion in Sharing Mobility and Sheltering Resources in Evacuations: A Case Study of the 2017 and 2018 California Wildfires. International Symposium for Fire Safety Science. Poster.

- C17. Wong, S.**, Broader, J., Walker, J. & Shaheen, S. (April 2021). Understanding California Wildfire Evacuee Behavior and Joint Choice-Making. International Symposium for Fire Safety Science. Poster.
- C18. Zhao, B., & Wong, S.** (April 2021). Developing Transportation Response Strategies for Wildfire Evacuations via Empirically Supported Traffic Simulations. International Symposium for Fire Safety Science. Poster
- C19. Wong, S.**, Yu, M., Kuncheria, A., Shaheen, S. & Walker, J. (January 2021). Understanding the Willingness to Share Resources in a Hurricane Evacuation: A Multi-Modeling Approach. 100th Annual TRB Annual Meeting. Poster.
- C20. Zhao, B., & Wong, S.** (January 2021). Developing Transportation Response Strategies for Wildfire Evacuations via Empirically Supported Traffic Simulations. 100th Annual TRB Annual Meeting. Poster.
- C21. Wong, S.**, Walker J., & Shaheen, S. (August 2020). Role of Trust and Compassion in Resource Sharing in Evacuations: A Case Study of the 2017 and 2018 California Wildfires. Bridging Transportation Researchers (BTR) Conference. LECTERN Session.
- C22. Wong, S.** & Shaheen, S. (May 2020). Double the Trouble: Evacuations During Simultaneous and Dueling Crises. University of Washington Pandemic Urbanism Symposium. LECTERN Session.
- C23. Wong, S.**, Chorus, C., Shaheen, S., & Walker, J. (January 2020). A Revealed Preference Methodology to Evaluate Regret Minimization with Challenging Choice Sets: A Wildfire Evacuation Case Study. 99th Annual Transportation Research Board Conference. LECTERN Session.
- C24. Wong, S.**, Pel, A., Shaheen, S., & Chorus, C. (August 2019). Fleeing from Hurricane Irma: Empirical Analysis of Evacuation Behavior Using Discrete Choice Theory. European Association for Transportation Research Conference. LECTERN Session.
- C25. Wong, S.**, Walker, J. & Shaheen, S. (January 2019). Assessing the Feasibility and Equity Impacts of the Sharing Economy in Evacuations: A Case Study of Hurricane Irma. 98th Annual Transportation Research Board Conference. Dwight D. Eisenhower Research Showcase Speaker. LECTERN Session.
- C26. Wong, S.**, Walker, J., & Shaheen, S. (January 2018). Bridging Troubled Water: Evacuations and the Sharing Economy. 97th Annual Transportation Research Board Conference. LECTERN Session.

Seminars and Public Appearances

- S1. Wong, S.**, Ciriaco, T. M. G., Wambura, V. (November 2023). Resilience Hub Research, Conceptual Framework, and Roundtable. *Resilience Hub Workshop for the City of Edmonton*. Workshop Coordinator.
- S2. Wong, S.** (September 2023). Visions of Sustainability and Resilience. *Autonomous Systems Institute Symposium - Theme 3 Expert Panel Discussion*. Panelist.
- S3. Wong, S.** (September 2023). A Changing Climate in an Increasingly Autonomous Society. *Autonomous Systems Institute Symposium*. Guest Speaker.
- S4. Wong, S.** (September 2023). Human Behaviour in Wildfire Evacuations: Data Collection Challenges and Research Needs. *International Association for Fire Safety Science – Human Behaviour Working Group*. Featured Speaker.
- S5. Wong, S.** (July 2023). Resilience Hubs: Conceptual Framework and Transportation Needs. *TRB Resilience Section Mid-Year Meeting*. Speaker.
- S6. Wong, S.** (May 2023). Addressing the Climate Crisis through Mobility Resilience. *National Shared-Used Mobility Summit*. Panelist.
- S7. Wong, S.** (May 2023). Tackling Critical Evacuation Challenges with Human-Centered Approaches. *University of Illinois Chicago*. Guest Speaker.
- S8. Wong, S.** (January 2023). Wildfires and Transportation: Contending with Escalating Risks. *TRB Annual Meeting*. LECTERN Session. Presider and Guest Speaker.

- S9. Wong, S.** (January 2023). Leaders Dialogue: Readyng Organizations for Future Policy, Legal, and Organizational Issues. *TRB Annual Meeting*. Panel Session. Panelist.
- S10. Wong, S.** (January 2023). Perspectives on Rural Evacuations: Current State and Ongoing Research Needs. *TRB Annual Meeting*. Panel Session. Guest Speaker.
- S11. Wong, S.** (January 2023). What is the Difference? The Complex Relationships Among Sustainability, Resilience, and Society. *TRB Annual Meeting*. Panel Session. Moderator and Presider.
- S12. Wong, S.** (January 2023). 6-Minute Showcase Posters: Sustainability, Resilience, and Society. *TRB Annual Meeting*. Poster Session. Presider.
- S13. Wong, S.** (December 2022). Compliance, Congestion, and Social Equity: Tackling Critical Evacuation Challenges through the Sharing Economy, Joint Choice Modeling, and Regret Minimization. *17th International Conference on Travel Behavior Research*. Invited Plenary Speaker.
- S14. Wong, S.** (September 2022). Future of Public Transit and Shared Mobility: Scenario Planning for COVID-19 Recovery. 2nd Conference on Scenario Planning in Transportation. LECTERN Session.
- S15. Wong, S.** (May 2022). Preparing Edmonton for Future Disasters – Resilience Hubs. *Rotary Club of Edmonton – Riverview*. Guest speaker.
- S16. Wong, S.** (April 2022). Evacuations from Wildfires. *Wildland Fires: Science and Applications at the University of California, Berkeley*. Guest Lecturer
- S17. Wong, S.** (March 2022). Lessons Learned from Recent Evacuations in California. *University of British Columbia Transportation Seminar Series*. Guest Lecturer.
- S18. Wong, S.** (February 2022). Responding to Wildfires amid Compounding Disasters. *American Association for the Advancement of Science*. Panelist.
- S19. Wong, S.** (January 2022). Early Academia Successful Careers: Resources and Advice. *Transportation Research Board Annual Meeting*. Featured Panelist.
- S20. Wong, S.** (December 2021). Resilience and Sustainability: Critical Elements of a Mobility-for-All Future. *Canada Institute of Transportation Engineers*. Featured Speaker.
- S21. Wong, S.** (August 2021). Lessons Learned from Recent Evacuations in California. *International Association for Fire Safety Science: Large Outdoor Fire & Built Environment Working Group*. Featured Speaker.
- S22. Wong, S.** (June 2021). Wildfires and Compounding Effects of COVID-19 and Public Safety Power Shutoff Events. *California Council on Science and Technology Expert Panel*. Featured Panelist.
- S23. Wong, S., Broader, J., & Shaheen, S.** (April 2021). A Checklist of Immediate Actions for Addressing COVID-19 as Part of Evacuation Planning. *International Symposium for Fire Safety Science*. Invited Speaker.
- S24. Wong, S.** (October 2020). Intersectionality of Emerging Topics in Wildfire Evacuations: Decision-Making, the Sharing Economy, and COVID-19. *National Research Council Canada Seminar*. Featured Speaker.
- S25. Wong, S., Broader, J., & Shaheen, S.** (October 2020). Double the Trouble: COVID-19 and Evacuations. *Intelligent Transportation Society of Maryland: Annual Meeting*. Featured Panelist.
- S26. Wong, S., Broader, J., & Shaheen, S.** (October 2020). Double the Trouble: COVID-19 and Evacuations. *UCLA Lake Arrowhead Symposium*. Featured Panelist.
- S27. Wong, S., Broader, J., & Shaheen, S.** (August 2020). Road to Recovery: Double the Trouble: COVID-19 and Evacuations. *Eno Center for Transportation*. Featured Speaker.
- S28. Wong, S.** (July 2020). The Sharing Economy and Evacuations. *California Public Utilities Commission (CPUC) Emerging Trends Committee*. Featured Speaker.
- S29. Wong, S.** (May 2020). Compliance, Congestion, and Social Equity: Tackling Critical Evacuation Challenges through the Sharing Economy, Joint Choice Modeling, and Regret Minimization. *UC Berkeley Institute of Transportation Studies Seminar*. Featured Speaker.

- S30. Wong, S.,** Shaheen, S., & Walker, J. (April 2019). Understanding Evacuee Behavior: A Case Study of Hurricane Irma. *City and Regional Planning 214: Infrastructure and Urban Resilience*. Invited Speaker.
- S31. Wong, S.,** Pel, A., Shaheen, S., & Chorus, C. (November 2018). Fleeing from Hurricane Irma: Empirical Analysis of Evacuation Behavior Using Discrete Choice Theory. *Delft University of Technology Transport Thursday Seminar*. Featured Speaker.
- S32. Wong, S.,** Walker, J. & Shaheen, S. (October 2018). Assessing the Feasibility and Equity Impacts of the Sharing Economy in Disasters. *Delft University of Technology BEHAVE Seminar*. Featured Speaker.
- S33. Wong, S.,** Shaheen, S., & Walker, J. (September 2018). Understanding Evacuee Behavior: A Case Study of Hurricane Irma. *Delft University of Technology TRAIL Seminar*. Invited Speaker.

Student-Led Conference Presentations

- SL1.** Ciriaco, T. G. M. & Wong, S. (November 2023). An Equity Analysis of Transportation for Resilience Hubs. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Lectern Session.
- SL2.** Wambura, V. & Wong, S. (November 2023). Strengthening Public Transit Equity in Evacuation Planning through a Community-Centered Approach. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Lectern Session.
- SL3.** Wambura, V. & Wong, S. (November 2023). Public Transit Evacuation Planning for Vulnerable Populations: A Literature Review. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Lectern Session.
- SL4.** Zehra, S. & Wong, S. (November 2023). Review on Wildfire Evacuations: Infrastructure, Transportation Modes, Networks, and Planning. Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Poster Session.
- SL5.** Zehra, S. & Wong, S. (August 2023). Review on Wildfire Evacuations: Infrastructure, Transportation Modes, Networks, and Planning. Bridging Transportation Researchers (BTR). Lectern Session.
- SL6.** Ciriaco, T. G. M., & Wong, S. (January 2023). Resilience Hubs: Conceptual Framework and Transportation Needs. 102nd Annual TRB Meeting. Poster.
- SL7.** Ciriaco, T. G. M., & Wong, S. (October 2022). Resilience Hubs: Conceptual Framework and Transportation Needs. Transportation Association of Canada (TAC) Conference. Lectern Session.
- SL8.** Ciriaco, T. G. M., & Wong, S. (August 2022). Review of Resilience Hubs and Associated Transportation Needs. Bridging Transportation Researchers (BTR) Conference. Lectern Session.

Student-Led Presentations (Other)

- SP1.** Wambura, V.; Wong, S. (August 2023). Strengthening Public Transit Equity through a Community-Centered Approach. Faculty of Engineering Graduate Research Symposium. Climate and Environment Session. Presentation.
- SP2.** Zehra, S., Wong, S. (August 2023). Review on Wildfire Evacuations: Infrastructure, Transportation Modes, Networks, and Planning. Faculty of Engineering Graduate Research Symposium. Climate and Environment Session. Presentation.
- SP3.** Wambura, V.; Wong, S. (July 2023). Strengthening Public Transit Equity through a Community-Centered Approach. TRB Resilience Section Midyear Meeting. 6-Minute Showcase
- SP4.** Babaei, M. H.; Wong, S. (July 2023). Systematic Review of Electric Vehicles, Resilience, and Evacuations. K-Days. Demo Presentation.

- SP5.** Babaei, M. H.; Wong, S. (June 2023). Systematic Review of Electric Vehicles, Resilience, and Evacuations. TELUS World of Science. Demo Presentation.
- SP6.** Ciriaco, T. G. M., & Wong, S. (March 2023). Resilience Hubs: Conceptual Framework and Transportation Needs. Edmonton Public Library talk On Edge Speaker Series."
- SP7.** Ciriaco, T. G. M., & Wong, S. (March 2023). Resilience Hubs: Conceptual Framework and Transportation Needs. CSCE Graduate Student Poster Competition. Poster.
- SP8.** Ciriaco, T. G. M., & Wong, S. (March 2023). Resilience Hubs: Conceptual Framework and Transportation Needs. Resilient and Smart Mobility Hubs International seminar. Hiroshima University.
- SP9.** Ciriaco, T. G. M., & Wong, S. (February 2023). Resilience Hubs: Conceptual Framework and Transportation Needs 2023 Celebrating Women's Success in STEM Symposium: 100 Years of Women's Research across Canada.
- SP10.** Ciriaco, T. G. M., & Wong, S. (July 2022). Resilience Hubs: Conceptual Framework and Development. 6-min Showcase during the TRB AMR00 Section Meeting.

Media Appearances (Television, Radio, Print)

- M1.** Wildfire Evacuation Research in Alberta. **Midday on 630 CHED with Courtney Theriault.** November 31, 2023.
- M2.** Quesnel Part Of University Of Alberta Research On Wildfire Evacuation. **My Cariboo Now – Quesnel.** November 27, 2023. <https://www.mycariboonow.com/93085/featured/quesnel-part-of-university-of-alberta-research-on-wildfire-evacuation/>
- M3.** Research underway aims to make wildfire evacuations smoother. **CBC News.** November 19, 2023. <https://www.cbc.ca/news/canada/edmonton/research-wildfire-evacuations-1.7031755>
- M4.** Daybreak South with Chris Walker. **CBC Radio Kelowna.** November 3, 2023. <https://www.cbc.ca/listen/live-radio/1-110-daybreak-south>
- M5.** How best to evacuate B.C. communities from wildfires centre of unique study. **Nelson Star.** October 30, 2023. <https://www.nelsonstar.com/local-news/how-best-to-evacuate-bc-communities-from-wildfires-centre-of-unique-study-6528266>
- M6.** Electric Vehicles and Disaster Mitigation. **Alberta Motor Association.** October 23, 2023. <https://ama.ab.ca/community/connect/podcasts/ev-life>
- M7.** Researchers simulating wildfire evacuations for five Western Canadian communities: **The Globe and Mail.** September 10, 2023. <https://www.theglobeandmail.com/canada/british-columbia/article-researchers-simulating-wildfire-evacuations-for-five-western-canadian/>
- M8.** Canmore residents encouraged to take part in wildfire evacuation study. **Rocky Mountain Outlook.** September 7, 2023. <https://www.rmoutlook.com/canmore/canmore-residents-encouraged-to-take-part-in-wildfire-evacuation-study-7499292>
- M9.** Alberta Primetime: **CTV News Edmonton,** July 2023. <https://edmonton.ctvnews.ca/video?clipId=2725293>
- M10.** The Challenge: Building transportation resilience following natural disasters across Canada: **TELUS Data for Good Program,** June 1, 2023. <https://www.telus.com/en/blog/social-impact/data-for-good-university-of-alberta?category=giving-back>
- M11.** What to expect in the days ahead with Alberta wildfires: **The Globe and Mail,** May 12, 2023. <https://www.theglobeandmail.com/canada/alberta/article-what-to-expect-in-the-days-ahead-with-alberta-wildfires/>
- M12.** CTV Morning Live: **CTV News Edmonton** May 2023. URL expired.

- M13.** U of A researcher studying how cities can be better prepared for natural disasters: **CBC Radio**, Edmonton AM, May 2023. <https://www.cbc.ca/listen/live-radio/1-17-edmonton-am/clip/15986420-u-a-researcher-studying-cities-better-prepared-natural>
- M14.** In wildfire country, towns build permanent evacuation centres: **The Globe and Mail**, May 3, 2022. <https://www.theglobeandmail.com/canada/article-two-wildfire-country-towns-erect-permanent-evacuation-centres-the/>
- M15.** U of A research aims to help Edmonton prepare for more climate disasters: **CBC**, March 24, 2022. <https://www.cbc.ca/news/canada/edmonton/u-of-a-research-aims-to-help-edmonton-prepare-for-more-climate-disasters-1.6395554>
- M16.** Is Alberta's capital city ready for a natural disaster?: **CBC Radio Active (Edmonton)**, March 2022. <https://www.cbc.ca/listen/live-radio/1-52-radio-active/clip/15902422-is-albertas-capital-city-ready-natural-disaster>
- M17.** Edmonton-based study aims to help cities improve planning for natural disasters: **University of Alberta**, Folio, March 23, 2022. <https://www.ualberta.ca/folio/2022/03/edmonton-based-study-aims-to-help-cities-improve-planning-for-natural-disasters.html>
- M18.** After siege of blazes, experts say California must improve wildfire evacuation plans: **The Washington Post**, October 7, 2021. <https://www.washingtonpost.com/weather/2021/10/07/california-wildfire-evacuations-plans-inadequate/>
- M19.** A UC ITS Report Offers Several Key Takeaways and a Model for Scenario Analysis That Could Make Future Transit Planning More Agile: **California Transit Association**, April 2021. <https://caltransit.org/news-publications/publications/transit-california/transit-california-archives/2021-editions/march/planning-in-a-post-covid-world/>
- M20.** Evacuation Planning Principles For Every Community: **Kittelson & Associates**, February 25, 2020. <https://www.kittelson.com/ideas/evacuation-planning-principles-for-every-community/>
- M21.** How can companies like Airbnb, Lyft or Uber help in disasters?: **UC Berkeley Engineering**, June 20, 2019. <https://engineering.berkeley.edu/news/2019/06/how-can-companies-like-airbnb-lyft-or-uber-help-in-disasters/>
- M22.** Survey to ask East Bay residents how they would deal with wildfire evacuations, power shutoffs: **Easy Bay Times**, December 29, 2019. <https://www.eastbaytimes.com/2019/12/29/survey-to-ask-east-bay-residents-how-they-would-deal-with-wildfire-evacuations-power-shutoffs/>
- M23.** Stephen Wong analyses evacuations with a focus on human behaviour: **TU Delft**, October 7, 2018. <https://www.tudelft.nl/en/2018/transport-institute/stephen-wong-analyses-evacuations-with-a-focus-on-human-behaviour/>
- M24.** Researchers Study Evacuation Decision-Making Process In Thomas Fire: **KCLU**, May 21, 2018. <https://www.kclu.org/post/researchers-study-evacuation-decision-making-process-thomas-fire#stream/0>
- M25.** Tech companies are redefining how we respond to natural disasters—in a good way: **Quartz**, September 13, 2017. <https://qz.com/1075435/tech-companies-are-redefining-how-we-respond-to-natural-disasters-in-a-good-way/>

Moderated Webinars

- MW1. Changes in Travel and Air Quality in California During COVID-19.** (May 2021). UC Institute of Transportation Studies. *Featuring: Michael Kleeman, Shams Tanvir, Scott Epstein, and Toshi Kuwayama*

- MW2. Challenges and Opportunities Facing Public Transit (Part II):** Key Considerations for Public Transit Moving Forward. (March 2021). UC Institute of Transportation Studies. *Featuring: Evelyn Blumenberg, Susie Pike, Juan Matute, and Michael Manville.*
- MW3. Challenges and Opportunities Facing Public Transit (Part I):** Challenges Facing Public Transit Before, During, and After COVID-19. (March 2021). UC Institute of Transportation Studies. *Featuring: Brian Taylor, Anastasia Loukaitou-Sideris, Jacob Wasserman, and Susan Shaheen.*
- MW4. COVID-19 Effects on the Mobility of Vulnerable Populations.** (February 2021). UC Institute of Transportation Studies. *Featuring: Katherine Chen, David Ragland, and John Cunningham*
- MW5. Critical Transportation Issues in Wildfires.** (December 2020). UC Institute of Transportation Studies. *Featuring: Kenichi Soga, Mikhail Chester, and Lisa Worthington.*

Reviewer

Transportation Research Board (TRB) Annual Meeting / Transportation Research Record (2018 – present)

Transportation Research Part D: Transport and Environment (2019 – present)

Transportation Research Interdisciplinary Perspectives (TRIP) (2020 – present)

Journal of Safety Science (2020 – present)

Natural Hazards Review (2020 – present)

International Journal of Disaster Risk Reduction (2021 – present)

Journal of Safety Research (2023 – present)

Canadian Journal of Civil Engineering (2023 – present)

NSERC Discovery Grant (2023 – present)