

3rd Annual BRIDGING TRANSPORTATION RESEARCHERS (**BTR#3**) CONFERENCE PROGRAM

AT A GLANCE...

Western track Thursday, August 5, Central US Time	10-11 am CDT 11 am – 3 pm CDT	Keynote: Professor Hani Mahmassani – Telemobility, System Resilience, and the Next Normal			
		Track 1W <ul style="list-style-type: none"> Automated & Electric Vehicles Econometrics & Advanced Modeling 	Track 2W <ul style="list-style-type: none"> Transport Policy & Safety Public Transport 	Track 3W <ul style="list-style-type: none"> Transport & COVID-19 	Track 4W* 2 pm to 5:45 pm CDT <ul style="list-style-type: none"> Research Agenda for Public Transport: Routledge's <i>Handbook of Public Transport</i>
Western track Friday, August 6, Central US Time	10-11 am CDT 11 am – 3 pm CDT	Headliner: Professor Donald Shoup – The High Cost of Free Parking in Paradise			
		Track 5W <ul style="list-style-type: none"> Automated & Electric Vehicles Econometrics & Advanced Modeling 	Track 6W <ul style="list-style-type: none"> Advanced Data Collection Freight & Logistics Shared Economy & Micro Mobility 	Track 7W <ul style="list-style-type: none"> Transport & COVID-19 Shared Economy & Micro Mobility 	Track 8W <ul style="list-style-type: none"> Transport Policy & Safety Transport Psychology
Eastern track Thursday, August 5, Australia Eastern Time	11 am- noon AEST Noon – 4 pm AEST	Headliner: Professor Becky P.Y. Loo – Transport in Compact Cities: The “New Normal”			
		Track 1E <ul style="list-style-type: none"> Advanced Transport Technologies & Systems Transport Psychology 		Track2E <ul style="list-style-type: none"> Australian Road Research Board - Data collection Australian Road Research Board - sustainability Tools Advanced Mobility Group - Video Analytics and safety 	
Eastern track Friday, August 6, Australia Eastern Time	11 am - noon AEST	Headliner: Professor David Hensher – Impact of Working from Home on Commute Mode Choice during COVID-19: Implications for Two Metro Areas in Australia			
	Noon – 4 pm AEST	Track 3E <ul style="list-style-type: none"> Public Transport & Travel Behavior Transport Policy & Safety 		Track4E <ul style="list-style-type: none"> Australian Road Research Board – Zero Emission Transportation Australian Road Research Board - Connected Autonomous Vehicles 	
	4-5 pm AEST	Closing Headliner: Professor Mark Hickman – Thinking about the Transit Customer: What Service Improvements Drive Satisfaction?			

*Three of the 4 Western tracks begin at 11 am, after Wednesday's 10 am Keynote. But Track 4W begins at 2 pm Central US Time (CDT) that day.

WESTERN HEMISPHERE TRACKS

DAY 1: Thursday, August 5, 2021 (4 Concurrent Tracks, with paper details below Program)

TRACK 1W: Thursday 5 August 2021 | 10 am – 3 pm CDT (all times shown are US central time zone)

- **Keynote:** Hani Mahmassani (10 am to 11 am CDT)
- Automated & Electric Vehicles (11 am to 1 pm CDT)
- Econometrics & Advanced Modeling (1 pm to 3 pm CDT)

Join TRACK 1W's Zoom Meeting via URL <https://us06web.zoom.us/j/83370782581>, with Meeting ID: 83370782581

TRACK 2W: Thursday 5 August 2021 | 11 am to 3 pm CDT

- Transport Policy & Safety (11 am to 1 pm CDT)
- Public Transport (1 pm to 3 pm CDT)

Join TRACK 2W's Zoom Meeting via URL <https://us06web.zoom.us/j/86347975158>, with Meeting ID: 86347975158

TRACK 3W: Thursday 5 August 2021 | 11 am - 3:00 pm CDT

- Transport & COVID-19 (11 am to 3 pm CDT) – 4 hr session, 8 papers

Join TRACK 3W's Zoom Meeting via URL <https://us06web.zoom.us/j/86998047535>, with Meeting ID: 86998047535

TRACK 4W: Thursday 5 August 2021 | 2 pm to 5:45 pm CDT (all times shown are US central time zone)

- A Research Agenda for Public Transport: Routledge's *Handbook of Public Transport* (2 pm to 5:45 pm CDT)

Join TRACK 4W's Zoom Meeting via URL <https://us06web.zoom.us/j/87513112274>, with Meeting ID: 87513112274

DAY 2: Friday, August 6, 2021 (4 Concurrent Tracks, with paper details below)

TRACK 5W: Friday 6 August 2021 | 11 am – 3 pm CDT (all times shown are US central time zone)

- Headliner: Donald Shoup (10 am to 11 am CDT)
- Automated & Electric Vehicles (11 am to 1 pm CDT)
- Econometrics & Advanced Modeling (1 pm to 3 pm CDT)

Join TRACK 5W's Zoom Meeting via URL <https://us06web.zoom.us/j/82585104354>, with Meeting ID: 82585104354

- **TRACK 6W:** Friday 6 August 2021 | 11 am – 3 pm CDT Advanced Data Collection Methods (11 am to 12 noon CDT)

- Freight & Logistics (12 noon to 1 pm CDT)
- Shared Economy & Micro Mobility (1 pm to 3 pm CDT)

Join TRACK 6W's Zoom Meeting via URL <https://us06web.zoom.us/j/86347975158>, with Meeting ID: 86347975158

TRACK 7W: Friday 6 August 2021 | 11 am to 3 pm CDT (all times shown are US central time zone)

- Transport & COVID-19 (11 am to 1 pm CDT)
- Shared Economy & Micro Mobility (1 pm to 3 pm CDT)

Join TRACK 7W's Zoom Meeting via URL <https://us06web.zoom.us/j/81548190930>, with Meeting ID: 81548190930

TRACK 8W: Friday 6 August 2021 | 11 am to 3 pm CDT (all times shown are US central time zone)

- Transport Policy & Safety (11 am to 1 pm CDT)
- Transport Psychology (1 pm to 3 pm CDT)

Join TRACK 8W's Zoom Meeting via URL <https://us06web.zoom.us/j/84446435843>, with Meeting ID: 84446435843

EASTERN HEMISPHERE TRACKS

DAY 1 Eastern: Thursday, August 5, 2021 (Two Concurrent Tracks)

- Headliner: [Becky P.Y. Loo](#) (11 am to 12 pm AEST)

Join Becky's keynote Zoom Meeting via <https://uqz.zoom.us/j/84879258873?pwd=eU9WQjE3U2IkVDErSHdsRlZ6MkZ2dz09>
Meeting ID: 84879258873; Password: 152535

TRACK 1E: Thursday 5 August 2021 | 12 am – 4 pm **AEST** (all times shown are Australian Eastern Standard time zone)

- Advanced Transport Technologies & Systems (12 pm to 2 pm AEST)
 - Transport Psychology (2 pm to 4 pm AEST)

Join TRACK 1E's Zoom Meeting via <https://uqz.zoom.us/j/88641504287?pwd=WlR0dzA1akFxZzI6YTNTZW5IWdhLdz09>
Meeting ID: 88641504287; Password: 017077

TRACK 2E: Friday 6 August 2021 | Noon –4 pm **AEST** (all times shown are Australian Eastern Standard time zone)

- Data Collection (Noon to 2 pm AEST)
- Sustainability (2 pm to 4 pm AEST)
- Video analytics and safety (3 pm to 4 pm AEST)

Join TRACK 2E's Zoom Meeting via <https://uqz.zoom.us/j/85351471891?pwd=K3EwUUhEeXZJd3V1ZkpQNXJncloyQT09>
Meeting ID: 85351471891. Password: 671963

DAY 2 Eastern: Friday, August 6, 2021 (Two Concurrent Tracks)

- Headliner: [David Hensher](#) (11 am to Noon AEST)

Join David's keynote Zoom Meeting via <https://uqz.zoom.us/j/89777418279?pwd=Zld4QXZXTTdGZlBhME9MdU9aNlh3UT09>
Meeting ID: 89777418279; Password: 520196

TRACK 3E: Friday 6 August 2021 | Noon –4 pm **AEST** (all times shown are Australian Eastern Standard time zone)

- Public Transport & Travel Behavior (Noon to 2 pm AEST)
- Transport Policy & Safety (2 pm to 4 pm AEST)

Join TRACK 2E's Zoom Meeting via <https://uqz.zoom.us/j/83007074059?pwd=clISWmNiVm11cXoxbVZ3SkpSREYyQT09>
Meeting ID: 83007074059; Password: 805857

TRACK 4E: Thursday 6 August 2021 | Noon – 4 pm **AEST** (all times shown are Australian Eastern Standard time zone)

- Australian Road Research Board - Future Transport Systems (Noon to 2 pm AEST)
- Australian Road Research Board - Connected Autonomous Vehicles (2 pm to 4 pm AEST)

Join TRACK 2E's Zoom Meeting via <https://uqz.zoom.us/j/81811101853?pwd=VTZla0R3REVVTjZKOXYxbk1CR25lQT09>
Meeting ID: 81811101853; Password: 872247

Closing Headliner: [Mark Hickman](#) (4 pm to 5 pm AEST)

Join Mark's keynote Zoom Meeting via <https://uqz.zoom.us/j/83567545702?pwd=bm1MK2h3eFZxTFZDNXZZaGdMbWhIUT09>
Meeting ID: 83567545702; Password: 872676

Time Conversions for Major Cities:

10 am CDT (Western tracks) is 1 am in Sydney, 3 am in Auckland, 9 am in San Francisco, 11 am in New York and Toronto, 4 pm in London, 5 pm in Munich, Madrid and Stockholm, 6 pm in Nairobi, 7:30 pm in Tehran, 8:30 pm in Delhi, and 11 pm in Beijing and Singapore. You can check your exact city at <https://www.timeanddate.com/worldclock/>.

11 am AEST (Eastern tracks) is 2 am in London, 3 am Munich, Madrid and Stockholm, 4 am in Nairobi, 5:30 am in Tehran, 6:30 am in Delhi, 9 am in Beijing and Singapore, 11 am in Sydney, 1 pm in Auckland, 6 pm in San Francisco (the day before), 8 pm in Austin (the day before), 9 pm in New York & Toronto (the day before). Check your exact city at <https://www.timeanddate.com/worldclock/>.

Thanks for joining us, from wherever you are!

BTR#3 DETAILED PROGRAM

Western Hemisphere Tracks

Day 1 (Thursday 5 August 2021)

Track 1W: Thursday 5 August 2021, 10:00 – 15:00 CDT

Join TRACK 1W's Zoom Meeting via URL <https://us06web.zoom.us/j/83370782581>, with Meeting ID: 83370782581

Technical Support: [Matt Dean](#)

10:00 – 11:00 Central US time	Keynote: Professor Hani Mahmassani – Telemobility, System Resilience, and the Next Normal											
11:00 – 13:00	Automated & Electric Vehicles (1) Moderator: Nick Ferenchak <table border="1"><thead><tr><th>Title</th><th>Authors (Presenter in bold)</th></tr></thead><tbody><tr><td>Quantifying the Emissions Impacts of Repurposed EV Battery Packs in Residential Settings</td><td>Alizer Khowaja, Matthew D. Dean & Kara Kockelman</td></tr><tr><td>Signalised intersection control in a connected vehicle environment: User throughput maximisation strategy</td><td>Roozbeh Mohammadi, Claudio Roncoli & Miloš N. Mladenovic</td></tr><tr><td>Preliminary Traffic Operations Analysis of Autonomous Vehicles</td><td>Maria Bassil & John El Khoury</td></tr><tr><td>Pedestrians' Perceptions of Autonomous Vehicle External Human-Machine Interfaces</td><td>Nick Ferenchak & Sheheryar Shafique</td></tr></tbody></table>		Title	Authors (Presenter in bold)	Quantifying the Emissions Impacts of Repurposed EV Battery Packs in Residential Settings	Alizer Khowaja, Matthew D. Dean & Kara Kockelman	Signalised intersection control in a connected vehicle environment: User throughput maximisation strategy	Roozbeh Mohammadi, Claudio Roncoli & Miloš N. Mladenovic	Preliminary Traffic Operations Analysis of Autonomous Vehicles	Maria Bassil & John El Khoury	Pedestrians' Perceptions of Autonomous Vehicle External Human-Machine Interfaces	Nick Ferenchak & Sheheryar Shafique
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13:00 – 15:00	Econometrics & Advanced Modeling (1) Moderator: Benjamin Heydecker <table border="1"><thead><tr><th>Title</th><th>Authors (Presenter in bold)</th></tr></thead><tbody><tr><td>Unravelling spatial familiarity & multi-day mobility motifs</td><td>Marc-Edouard Schultheiss, Janody Pougala & Marija Kukic</td></tr><tr><td>Modelling the time-of-travel preferences capturing the correlations between departure times & activity durations</td><td>Khatune Zannat, Charisma Choudhury & Stephane Hess</td></tr><tr><td>Empirical Identifiability of Latent Class Models: Theoretical analysis & an application to modelling with multiple heuristics</td><td>Felipe Gonzalez-Valdes, Benjamin Heydecker & Juan de Dios Ortúzar</td></tr><tr><td>Comparing & Contrasting Choice Models & Machine Learning Techniques in the context of Vehicle Ownership Decisions</td><td>Azam Ali, Arash Kalatian & Charisma Choudhury</td></tr></tbody></table>		Title	Authors (Presenter in bold)	Unravelling spatial familiarity & multi-day mobility motifs	Marc-Edouard Schultheiss, Janody Pougala & Marija Kukic	Modelling the time-of-travel preferences capturing the correlations between departure times & activity durations	Khatune Zannat, Charisma Choudhury & Stephane Hess	Empirical Identifiability of Latent Class Models: Theoretical analysis & an application to modelling with multiple heuristics	Felipe Gonzalez-Valdes, Benjamin Heydecker & Juan de Dios Ortúzar	Comparing & Contrasting Choice Models & Machine Learning Techniques in the context of Vehicle Ownership Decisions	Azam Ali, Arash Kalatian & Charisma Choudhury
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Western Hemisphere Tracks

Day 1 (Thursday 5 August 2021)

Track 2W: Thursday 5 August 2021, 10:00 – 15:00 CDT

Join TRACK 2W's Zoom Meeting via URL <https://us06web.zoom.us/j/86347975158>, with Meeting ID: 86347975158

Technical Support: [Yantao Huang](#)

10:00 – 11:00 Central US time	Keynote: Professor Hani Mahmassani – Telemobility, System Resilience, and the Next Normal	
11:00 – 13:00	Transport Policy & Safety (1) Moderator: John Ivan	
	Title	Authors (Presenter in bold)
	Vehicle Trajectory Tracking on Incident Sites: Foundation for Driver Behavior Pattern Analysis in Khartoum, Sudan	Awad Abdelhalim, Montasir Abbas & Gamal Seedahmed
	Back to the Future: Modeling the Temporal Instability of Safety Performance Functions	Xing Fu, Jun Liu , Zihe Zhang, Qifan Nie & Steven Jones
	Effects of Traffic Conflicts on Pedestrian Crossing Volume Considering Geospatial & Other Location Data	Pankaj Joshi , John Ivan & Amy Burnicki
	Modelling Animal-Vehicle Collision Counts Across Large Networks Using a Bayesian Hierarchical Model with Time-Varying Parameters	Krishna Murthy Gurumurthy , Zili Li, Kara Kockelman & Prateek Bansal
13:00 – 15:00	Public Transport Moderator: Yantao Huang	
	Title	Authors (Presenter in bold)
	Priority Infrastructure for Minibus-Taxis: An Analytical Model of Potential Benefits & Impacts	Lourens de Beer & Christo Venter
	A Bus Home: Homelessness in U.S. Transit Environments	Anastasia Loukaitou-Sideris, Jacob Wasserman, Hao Ding & Ryan Caro
	Transit Blues in the Golden State: Regional Transit Ridership Trends in California	Jacob Wasserman & Brian Taylor
	Shared Autonomous Vehicle Fleets to Serve Chicago's Public Transit	Yantao Huang , Krishna Murthy Gurumurthy, Kara Kockelman & Omer Verbas

Western Hemisphere Tracks

Day 1 (Thursday 5 August 2021)

Track 3W: Thursday 5 August 2021, 10:00 – 15:00 CDT

Join TRACK 3W's Zoom Meeting via URL <https://us06web.zoom.us/j/86998047535>, with Meeting ID: 86998047535

Technical Support: [Jooyoung Lee](#)

10:00 – 11:00 Central US time	Keynote: Professor Hani Mahmassani – Telemobility, System Resilience, and the Next Normal											
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13:00 – 15:00	Transport & COVID-19 (2) <i>Moderator: Sami Hasnine</i> <table border="1"> <thead> <tr> <th>Title</th><th>Authors (Presenter in bold)</th></tr> </thead> <tbody> <tr> <td>The Impacts of COVID-19 related Non-Pharmaceutical Interventions on Mobility & Accidents in Bangladesh</td><td>Annesha Enam, Sheikh Mokhlesur Rahman, Sohel Mahmud & Zia Wadud</td></tr> <tr> <td>Dueling emergencies: Flood evacuation ridesharing during the COVID-19 pandemic</td><td>Elisa Borowski, Victor Limontiila Cedillo & Amanda Stathopoulos</td></tr> <tr> <td>Shifting Mobility Behaviors in Unprecedented Times: Intentions to Use On-demand Ride Services During the COVID-19 Pandemic</td><td>Maher Said, Jason Soria & Amanda Stathopoulos</td></tr> <tr> <td>Short-term & long-term impact of COVID-19 on e-commerce, driving, & transit usage: lesson learnt, & policy recommendations based on recent literature.</td><td>Justin Drummond & Md Sami Hasnine</td></tr> </tbody> </table>		Title	Authors (Presenter in bold)	The Impacts of COVID-19 related Non-Pharmaceutical Interventions on Mobility & Accidents in Bangladesh	Annesha Enam , Sheikh Mokhlesur Rahman, Sohel Mahmud & Zia Wadud	Dueling emergencies: Flood evacuation ridesharing during the COVID-19 pandemic	Elisa Borowski , Victor Limontiila Cedillo & Amanda Stathopoulos	Shifting Mobility Behaviors in Unprecedented Times: Intentions to Use On-demand Ride Services During the COVID-19 Pandemic	Maher Said , Jason Soria & Amanda Stathopoulos	Short-term & long-term impact of COVID-19 on e-commerce, driving, & transit usage: lesson learnt, & policy recommendations based on recent literature.	Justin Drummond & Md Sami Hasnine
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Western Hemisphere Tracks

Day 1 (Thursday 5 August 2021)

Track 4W: Thursday 5 August 2021, 10:00 & 14:00 CDT

Join TRACK 4W's Zoom Meeting via URL <https://us06web.zoom.us/j/87513112274>, with Meeting ID: 87513112274

Technical Support: [Fatemeh Fakhrmoosavi](#)

10:00– 11:00 Central US time	Keynote: <u>Professor Hani Mahmassani – Telemobility, System Resilience, and the Next Normal</u>										
14:00 – 14:15	A Research Agenda for Public Transport: Routledge Handbook of Public Transport* Opening Session: Professors Corinne Mulley & Steve Ison * Mulley, C, Nelson, J D & Ison, S (Eds) (2021) <u>Handbook of Public Transport</u> . Routledge, Abingdon, Oxon UK.										
14:15 – 16:15	<table border="1"><thead><tr><th>Title</th><th>Presenter</th></tr></thead><tbody><tr><td>Policy Context</td><td>Roger Vickerman</td></tr><tr><td>Specific Public Transport Delivery Issues</td><td>Maria Attard</td></tr><tr><td>Modal Settings Daus NYC, US</td><td>Matt Daus</td></tr><tr><td>The Future</td><td>Roberto Palacin</td></tr></tbody></table>	Title	Presenter	Policy Context	Roger Vickerman	Specific Public Transport Delivery Issues	Maria Attard	Modal Settings Daus NYC, US	Matt Daus	The Future	Roberto Palacin
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17:30 – 17:45	Closing Session: John Nelson										

Note: This special track commences later (2 pm CDT) on Thursday, August 5, because it involves speakers around the globe, with different time-zone availabilities.

Western Hemisphere Tracks

Day 2 (Friday 6 August 2021)

Track 5W: Friday 6 August 2021, 10:00 – 15:00 CDT

Join TRACK 5W's Zoom Meeting via URL <https://us06web.zoom.us/j/82585104354>, with Meeting ID: 82585104354

Technical Support: [Matt Dean](#)

10:00 – 11:00 Central US time	Headliner: Professor Donald Shoup – The High Cost of Free Parking in Paradise											
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Western Hemisphere Tracks

Day 2 (Friday 6 August 2021)

Track 6W: Friday 6 August 2021, 10:00 – 15:00 CDT

Join TRACK 6W's Zoom Meeting via URL <https://us06web.zoom.us/j/86347975158>, with Meeting ID: 86347975158

Technical Support: [Yantao Huang](#)

10:00 – 11:00 Central US time	Headliner: Professor Donald Shoup – The High Cost of Free Parking in Paradise	
11:00 – 12:00	Advanced Data Collection Methods <i>Moderator: Thomas Hancock</i>	
	Title	Authors (Presenter in bold)
	Sensing urban road network using large-scale ridesourcing vehicles	Shuocheng Guo , Xinwu Qian, Mizanur Rahman & Steven Jones
	Their eyes gave them away': Incorporating eye-tracking & stress indicator data into psychological & econometric choice models.	Thomas Hancock , Charisma Choudhury & Stephane Hess
12:00 – 13:00	Freight & Logistics <i>Moderator: Hanna Maoh</i>	
	Title	Authors (Presenter in bold)
	Theoretical highlights in container port logistics system	Arbia Hlali & Abdulla Wanis
	A Methodology for Obtaining Industry-Level Freight Flows Using Existing Data Sources for the Exploration of Trade Criticality Within the Province of Ontario, Canada	Georgiana Madar-Vani , Hanna Maoh & William Anderson
13:00 – 15:00	Shared Economy & Micro Mobility (1) <i>Moderator: Donna Chen</i>	
	Title	Authors (Presenter in bold)
	Shared Mobility in Suburbs: The Impacts of Powertrain Technology	Roxana Rasouli, Moataz Mohamed & Saiedeh Razavi
	What type of infrastructures do e-scooter riders prefer? A route choice model	Wenwen Zhang , Ralph Buehler, Andrea Broaddus & Ted Sweeney
	Examining Associations between Spatial Contexts & Disparities in Ride-hailing Usage	Wenjian Jia & T. Donna Chen
	Planning car-lite neighborhoods: Does bikesharing reduce auto-dependence?	Rounaq Basu & Joseph Ferreira

Western Hemisphere Tracks

Day 2 (Friday 6 August 2021)

Track 7W: Friday 6 August 2021, 10:00 – 15:00 CDT

Join TRACK 7W's Zoom Meeting via URL <https://us06web.zoom.us/j/81548190930>, with Meeting ID: 81548190930

Technical Support: [Maximillian Pleason](#)

10:00 – 11:00 Central US time	Headliner: Professor Donald Shoup – The High Cost of Free Parking in Paradise											
11:00 – 13:00	Transport & COVID-19 (3) Moderator: Jason Hawkins <table border="1"> <thead> <tr> <th>Title</th><th>Authors (Presenter in bold)</th></tr> </thead> <tbody> <tr> <td>Transportation Decarbonization Post-COVID-19: The Role of Telework & Long-Distance Travel</td><td>Jason Hawkins & Kara Kockelman</td></tr> <tr> <td>Analyzing the Impacts of Spatiotemporal & COVID-19 Factors on Bike-Share Ride Duration in Detroit, MI</td><td>Anahita Zahertar & Steven Lavrenz</td></tr> <tr> <td>Public views on the reallocation of street space due to COVID-19</td><td>Robert Noland, Evan Iacobucci & Wenwen Zhang</td></tr> <tr> <td>Reliance on the Status Quo during the COVID-19 lockdown: Traditional Commute Modes Versus Microtransit</td><td>Jason Soria, Shelly Etzioni, Yoram Shiftan, Amanda Stathopoulos & Eran Ben-Elia</td></tr> </tbody> </table>		Title	Authors (Presenter in bold)	Transportation Decarbonization Post-COVID-19: The Role of Telework & Long-Distance Travel	Jason Hawkins & Kara Kockelman	Analyzing the Impacts of Spatiotemporal & COVID-19 Factors on Bike-Share Ride Duration in Detroit, MI	Anahita Zahertar & Steven Lavrenz	Public views on the reallocation of street space due to COVID-19	Robert Noland , Evan Iacobucci & Wenwen Zhang	Reliance on the Status Quo during the COVID-19 lockdown: Traditional Commute Modes Versus Microtransit	Jason Soria , Shelly Etzioni, Yoram Shiftan, Amanda Stathopoulos & Eran Ben-Elia
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Western Hemisphere Tracks

Day 2 (Friday 6 August 2021)

Track 8W: Friday 6 August 2021, 10:00 – 15:00 CDT

Join TRACK 8W's Zoom Meeting via URL <https://us06web.zoom.us/j/84446435843>, with Meeting ID: 84446435843

Technical Support: [Jooyoung Lee](#)

10:00 – 11:00 Central US time	Headliner: Professor Donald Shoup – The High Cost of Free Parking in Paradise											
11:00 – 13:00	Transport Policy & Safety (2) <i>Moderator: Stephen Wong</i> <table border="1"> <thead> <tr> <th>Title</th><th>Authors (Presenter in bold)</th></tr> </thead> <tbody> <tr> <td>Understanding California Wildfire Evacuee Behavior & Joint Choice Making</td><td>Stephen Wong, Jacquelyn Broader, Joan Walker & Susan Shaheen</td></tr> <tr> <td>Inattention & distraction in rural high-speed multilane highway crashes: An interpretable tree-based machine learning approach</td><td>Chenxuan Yang, Zihe Zhang, Xiaobing Li, Qifan Nie, Jun Liu & Steven Jones</td></tr> <tr> <td>Predict Pedestrian Crash Occurrence & Injury Severity in Texas Using Tree-Based Machine Learning Models</td><td>Bo Zhao, Lu Xing, Natalia Zuniga-Garcia & Kara Kockelman</td></tr> <tr> <td>Can increased fuel cost & currency devaluation change the number of vehicles & traffic violations?</td><td>Milad Delavary, Zahra Ghayeninezhad & Martin Lavallière</td></tr> </tbody> </table>		Title	Authors (Presenter in bold)	Understanding California Wildfire Evacuee Behavior & Joint Choice Making	Stephen Wong, Jacquelyn Broader, Joan Walker & Susan Shaheen	Inattention & distraction in rural high-speed multilane highway crashes: An interpretable tree-based machine learning approach	Chenxuan Yang, Zihe Zhang, Xiaobing Li, Qifan Nie, Jun Liu & Steven Jones	Predict Pedestrian Crash Occurrence & Injury Severity in Texas Using Tree-Based Machine Learning Models	Bo Zhao, Lu Xing, Natalia Zuniga-Garcia & Kara Kockelman	Can increased fuel cost & currency devaluation change the number of vehicles & traffic violations?	Milad Delavary, Zahra Ghayeninezhad & Martin Lavallière
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Eastern Hemisphere Tracks

Day 1 (Thursday 5 August 2021)

Track 1E: Thursday 5 August 2021, 11:00 – 16:00 AEST

(Peer-reviewed paper presentations)

11:00 – 12:00 (Australian Eastern Standard time)	Headliner: Professor Becky P.Y. Loo – Transport in Compact Cities: The “New Normal”											
12:00 – 14:00	Advanced Transport Technologies & Systems <i>Moderator: Elham Saffari</i> <table border="1"> <thead> <tr> <th>Title</th><th>Authors (Presenter in bold)</th></tr> </thead> <tbody> <tr> <td>Life Cycle Greenhouse Gas Emissions of Low-Carbon Powertrains for Medium-duty Urban Delivery Trucks: A Singapore Case Study</td><td>Lih Wei Yeow, Yuting Yan & Lynette Cheah</td></tr> <tr> <td>Innovations Impacting the Future of Transportation: An Overview of Connected, Automated, Shared, & Electric Technologies</td><td>Kai Huang, Kara Kockelman & Krishna Murthy Gurumurthy</td></tr> <tr> <td>Shared Mobility in Post-COVID era: facing new challenges & opportunities</td><td>Amirsalar Jafari Gorizi, Sajjad Shokouhyar, Sina Shokohyar & Anae Sobhani</td></tr> <tr> <td>Required simulated population ratios for valid assessment of shared autonomous vehicles with agent-based models</td><td>Yo Kamijo, Giancarlos Parady & Kiyoshi Takami</td></tr> </tbody> </table>		Title	Authors (Presenter in bold)	Life Cycle Greenhouse Gas Emissions of Low-Carbon Powertrains for Medium-duty Urban Delivery Trucks: A Singapore Case Study	Lih Wei Yeow , Yuting Yan & Lynette Cheah	Innovations Impacting the Future of Transportation: An Overview of Connected, Automated, Shared, & Electric Technologies	Kai Huang , Kara Kockelman & Krishna Murthy Gurumurthy	Shared Mobility in Post-COVID era: facing new challenges & opportunities	Amirsalar Jafari Gorizi, Sajjad Shokouhyar, Sina Shokohyar & Anae Sobhani	Required simulated population ratios for valid assessment of shared autonomous vehicles with agent-based models	Yo Kamijo , Giancarlos Parady & Kiyoshi Takami
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Eastern Hemisphere Tracks

Day 1 (Thursday 5 August 2021)

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(Peer-reviewed paper presentations)

11:00 – 12:00 (Australian Eastern Standard time)	Headliner: Professor Becky P.Y. Loo – Transport in Compact Cities: The “New Normal”	
12:00 – 13:00	Australian Road Research Board - Data Collection and Insight <i>Moderator: Elli Irannezhad</i>	
	Title Infrastructure Measurement Abilities	Presenters Brittany Croft, Richard Wix
13:00 – 14:00	Australian Road Research Board - Sustainability Assessment <i>Moderator: Brittany Croft</i>	
	Title Sustainability Assessment for Innovative Pavement Materials, Designs and Processes	Presenters Brook Hall, Georgia O'Connor
14:00 – 15:00	Advanced Mobility Group - Video Analytics <i>Moderator: Elli Irannezhad</i>	
	Title State of the practice conflict analysis methodology for road safety management, planning, and operations	Presenters Shimul Haque, Simon Washington

Eastern Hemisphere Tracks

Day 2 (Friday 6 August 2021)

Track 3E: Friday 6 August 2021, 11:00 – 17:00 AEST

11-Noon (Australian Eastern Standard time)	Headliner: <u>Professor David Hensher – The Impact of Working from Home on Modal Commuting Choice Response during COVID-19: Implications for Two Metropolitan Areas in Australia</u>										
12:00 – 14:00	<p>Public Transport & Travel Behavior <i>Moderator: Dia Adhikari Smith</i></p> <table border="1"> <thead> <tr> <th>Title</th><th>Authors (Presenter in bold)</th></tr> </thead> <tbody> <tr> <td>Tourists' travel mode & length of stay: Application of a fully nested Archimedean copula structure</td><td>Xinming Li, Taha Hossein Rashidi & Tay Koo</td></tr> <tr> <td>Factors that affect teleworking & travel mode shift in a pandemic</td><td>Khashayar Khavarian, Malihe Ghorbani, Fatemeh Kazemi & Mina Mirmasoumi</td></tr> <tr> <td>The effectiveness of using Google Maps Location History data to detect joint activities in social networks</td><td>Keita Suzuki, Yuki Oyama, Makoto Chikaraishi & Giancarlos Parady</td></tr> <tr> <td>Using data mining to explore the spatial & temporal dynamics of perceptions of metro services in Shenzhen</td><td>Shuli Luo & Sylvia He</td></tr> </tbody> </table>	Title	Authors (Presenter in bold)	Tourists' travel mode & length of stay: Application of a fully nested Archimedean copula structure	Xinming Li , Taha Hossein Rashidi & Tay Koo	Factors that affect teleworking & travel mode shift in a pandemic	Khashayar Khavarian , Malihe Ghorbani, Fatemeh Kazemi & Mina Mirmasoumi	The effectiveness of using Google Maps Location History data to detect joint activities in social networks	Keita Suzuki, Yuki Oyama, Makoto Chikaraishi & Giancarlos Parady	Using data mining to explore the spatial & temporal dynamics of perceptions of metro services in Shenzhen	Shuli Luo & Sylvia He
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14:00 – 16:00	<p>Transport Policy & Safety <i>Moderator: Jonathan Corcoran</i></p> <table border="1"> <thead> <tr> <th>Title</th><th>Authors (Presenter in bold)</th></tr> </thead> <tbody> <tr> <td>Accessibility analysis of a public transport network to identify opportunities for Demand Responsive Transport</td><td>Ronny Kutadinata, Subhrasankha Dey & Dickson Leow</td></tr> <tr> <td>Reassessing Road Sign Test of Bus Drivers in Dhaka City, Bangladesh</td><td>Mosharof Al Alim, Shahriyar Al Mamun & Shakil Mohammad Rifaat</td></tr> <tr> <td>Evaluation of Freight Transportation Regulation. Case Study: Iran National Trucking Sector</td><td>Aria Dahimi, Sarvin Molaienasab, Amir Samimi</td></tr> <tr> <td>Familiar strangers & urban analytics: mapping, measuring & monitoring</td><td>Jonathan Corcoran, Renee Zahnow, Min Zhang, Jiangping Zhou</td></tr> </tbody> </table>	Title	Authors (Presenter in bold)	Accessibility analysis of a public transport network to identify opportunities for Demand Responsive Transport	Ronny Kutadinata , Subhrasankha Dey & Dickson Leow	Reassessing Road Sign Test of Bus Drivers in Dhaka City, Bangladesh	Mosharof Al Alim, Shahriyar Al Mamun & Shakil Mohammad Rifaat	Evaluation of Freight Transportation Regulation. Case Study: Iran National Trucking Sector	Aria Dahimi, Sarvin Molaienasab, Amir Samimi	Familiar strangers & urban analytics: mapping, measuring & monitoring	Jonathan Corcoran , Renee Zahnow, Min Zhang, Jiangping Zhou
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16:00 – 17:00 (Australian Eastern Standard time)	Closing Headliner: <u>Professor Mark Hickman – Thinking about the Transit Customer: What Service Improvements Drive Satisfaction?</u>										

Eastern Hemisphere Tracks

Day 2 (Friday 6 August 2021)

Track 4E: Friday 6 August 2021, 11:00 – 17:00 AEST

11-Noon (Australian Eastern Standard time)	Headliner: <u>Professor David Hensher – The Impact of Working from Home on Modal Commuting Choice Response during COVID-19: Implications for Two Metropolitan Areas in Australia</u>										
12:00 – 14:00	Australian Road Research Board - Connected Autonomous Vehicle Research <i>Moderator: Brittany Croft</i> <table border="1"><thead><tr><th>Title</th><th>Presenters</th></tr></thead><tbody><tr><td>Low and zero emission Transportation Electric Vehicles Fuel Cell Heavy Vehicles</td><td>Robert Kochhan David Green Elli Irannezhad</td></tr><tr><td>Safety evaluation framework Key issues in CAVs going forward</td><td>Charles Karl</td></tr><tr><td>Panel discussion</td><td></td></tr></tbody></table>	Title	Presenters	Low and zero emission Transportation Electric Vehicles Fuel Cell Heavy Vehicles	Robert Kochhan David Green Elli Irannezhad	Safety evaluation framework Key issues in CAVs going forward	Charles Karl	Panel discussion			
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