



Faculty, staff and students affiliated with the University of Vermont Transportation Research Center will be participating in 12 presentations and activities at the 104<sup>th</sup> Annual Meeting of the Transportation Research Board in Washington, DC this January. Their presentations and other activities are listed below.

Reach out to us at [trc@uvm.edu](mailto:trc@uvm.edu) if you would like more information about the research being presented this year.

### Monday, January 6<sup>th</sup>

8:00 am – 9:45 am

#### **Lectern Session 2025 Societal and Environmental Justice Implication of Climate Change and Air Quality**

##### ***Evaluating Cumulative Emissions Exposure and Equity Outcomes of Different Transition Pathways to an Electric Vehicle Fleet***

Meg Fay and Gregory Rowangould

#### **Poster Session 2040 Characterization and Advances in Aggregate Utilization for Pavement Performance**

##### ***Method Development for Determining Deleterious Material Content in Processed Glass Aggregate (PGA)***

Neha Subedi, Matthew Scarborough, Mandar Dewoolkar, and Fiona Nutbeam

1:30 pm – 3:15 pm

#### **Poster Session 2155 Travel Behavior Elements: Activity, Mode, Time Use, Destination, and Activity Patterns**

##### ***Land Use and Travel Behavior: A Panel Study Using Relocated Households in Vermont to Assess Land Use Elasticities***

Clare Nelson and Gregory Rowangould

3:45 pm – 5:30 pm

#### **Poster Session 2214 Climate, Sustainability, and Travel Behavior: Exploring the Intersection of Weather, Green Mobility, and Travel Patterns**

##### ***The case for rethinking rural: How simplification of rural places clouds our understanding of sustainable rural travel behavior***

Harrison Schukei and Dana Rowangould

## Tuesday, January 7<sup>th</sup>

10:15 am – 12:00 pm

### Poster Session 3107 Transportation and Community Impacts

***“I Lost It All. The Water Destroyed Everything”*: Transportation Resilience, Housing, and Displacement of Rural Homeless Communities**

Sarah Grajdura, Julia LanzDuret-Hernandez, Nat Robtoy, and Dana Rowangould

***Housing Location Dissatisfaction, Travel Demand and Potential Implications of EVs, AVs and Remote Work***

Narges Ahmadnia and Gregory Rowangould

### Poster Session 3108 Dwight David Eisenhower Transportation Fellowship Program Poster (Session 2)

***Are We Driving Toward Equity? Exploring the Impact of Different Electric Vehicle Transition Scenarios on Emissions Exposure***

Meg Fay and Gregory Rowangould

1:30 pm – 3:15 pm

### Poster Session 3153 State Department of Transportation Research: Supplemental Research Award Winners

***Traffic Safety Toolbox -- Addressing Speeds***

Jim Sullivan and Dana Rowangould

3:45 pm – 5:30 pm

### Lectern Session 3187 Climate, Disasters, and Transportation Equity: Community Perspectives on Building Resilience

***Community Resilience in the 2023 Vermont Floods***

Dana Rowangould

## Wednesday, January 8<sup>th</sup>

10:15 am – 12:00 pm

### Lectern Session 4053 Innovative Approaches to Transportation Planning: Equity, Evaluation, and Emerging Trends

***Taking a Hard Look: Do Active Transportation Projects Get a Fair Evaluation in Long-Range Regional Transportation Planning?***

Emma Dreyer and Gregory Rowangould

### Lectern Session 4067 Driving Equity Forward: Addressing Disparities in Electric Vehicle Adoption and Infrastructure

***Advancing Equitable Electric Vehicle Adoption: Addressing Home Charging Barriers and Costs***

Parsa Pezeshknejad, Lilac Damon, Sarah Grajdura, and Dana Rowangould

3:45 pm – 5:30 pm

**Poster Session 4094 Current Issues in Air Quality and Greenhouse Gas Mitigation**

***Intercomparison of Modeled Urban-Scale Vehicle Emissions – Implications for Exposure and Equity Assessment***

Victoria Lang, Sara Camilleri, Suzan van der Lee, Gregory Rowangould, Brittany Antonczak, Tammy Thompson, Maria Harris, Colin Harkins, Daniel Tong, Mark Janssen, Zachariah Adelman, and Daniel Horton