

Pandemics and Public Health in Integrated Transport Modeling

TRB 2021-Live Workshop

Friday, January 22, 2021
10:00 AM - 1:00 PM



Description

Travel patterns before and during an epidemic influence the spread of infection and public health effects. At the same time, epidemics can have lasting impacts on travel behavior, land-use, and energy consumption, and health outcomes, often borne disproportionately by vulnerable groups. These have significant implications on the planning and operation of cities and transport systems. This workshop will identify and discuss research questions on integrated modeling and planning of land-use, travel demand, epidemic spread, health effects, and energy consumption.



COVID-19 & Urban Dynamics: Some Reflections

Eric Miller, University of Toronto
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The Impact of COVID-19 on Transportation and Oil Demand to 2030



Marianne Kah,
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Modeling the Transportation System Impacts of COVID Mitigation and Recovery in the Chicago Metro Area using POLARIS



Joshua Auld, Argonne National Laboratory
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Integrated Transportation System Modeling of the New York City Metropolitan Area under COVID-19 Response using BEAM



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Use of Telematics Data to Improve On-Road Emissions Characterization

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