

TRANSPORTATION SEMINAR + WEBINAR SERIES

An Integrative Theory of Transportation and Location Decision-Making

Jason Hawkins, PhD

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Monday, February 27, 2023 • 1:30 pm–2:30 pm (US Arizona)

Hybrid Attendance Options:

In-person: College Avenue Commons (CAVC) • Room 301 ([map](#))

Register for Virtual Attendance: <https://bit.ly/3HB1htB>



About the Talk

Transportation infrastructure planning requires a clear understanding of the relationship between travel demand and the built environment. Therefore, transportation planning models are often integrated with models of location choice and land development. Transportation policy analysis must deal with a range of challenges, including the shifting urban landscape away from centers of industrial production and towards centers of amenity consumption. This presentation will describe a theoretical framework to integrate travel, location, and economic decision-making by households under this shifting paradigm. Details will be provided for an application in Toronto, Canada including the data and econometric challenges associated with operationalizing the framework. Finally, future work will be outlined centered on extending the framework to consider pressing issues in infrastructure planning and policy.

About the Speaker

Dr. Jason Hawkins joined the Department of Civil & Environmental Engineering at the University of Nebraska-Lincoln in August 2021. He holds a Ph.D. (2021) in Civil Engineering from the University of Toronto and M.Sc. (2016) and B.Sc. (2014) in Civil Engineering from the University of Calgary. Dr. Hawkins completed postdoctoral work at the University of Texas at Austin. His primary research focus is the analysis of sustainable infrastructure systems through the application of a wide range of analytic tools. His research team examines the relationship between infrastructure systems, with a particular focus on transportation and land use. The Hawkins Research Group uses a variety of techniques including surveys, econometrics, simulation, and network science to assess the sustainability of infrastructure systems considering technical, economic, and social perspectives. The interdisciplinary nature of their work means they often work with engineers, economists, and political scientists to advance the study and development of sustainable infrastructure systems.

This seminar will be presented in-person and webcast live to a worldwide audience using Zoom.

To register for the webinar, please visit: <https://bit.ly/3HB1htB>

Recordings of all sem(web)inars may be accessed by semester at <https://tomnet-utc.engineering.asu.edu/seminars/>.

For any assistance, please contact Irfan Batur at ibaturo@asu.edu