

Lunch Colloquium Series

Mansueto Institute
for Urban Innovation

Wednesday, November 18

12:30-1:30pm CT

Register here:

<http://bit.ly/GBoeing>

Street Networks and the Evolving Urban Structure

Cities around the world exhibit a wide variety of street network patterns and configurations that shape human mobility, equity, health, and livelihoods. Dr. Geoff Boeing presents a new study that models and analyzes the street networks of every urban area in the world: over 150 million network nodes and over 300 million edges across 9,000 urban areas in 178 countries. His talk demonstrates the study's computational workflow, introduces two new public repositories of global street network models and indicators, and discusses analytical findings on street network form worldwide. Finally, it presents trends in US street network design over time, reflecting shifting planning paradigms that shape subsequent transportation behavior.

Dr. Geoff Boeing is an Assistant Professor in the Department of Urban Planning and Spatial Analysis at USC's Sol Price School of Public Policy, and the Director of the USC Urban Data Lab. Professor Boeing received his Ph.D. in City and Regional Planning from the University of California, Berkeley. Prior to joining USC, he was an Assistant Professor of Urban Informatics and Planning at Northeastern University. Professor Boeing's research revolves around city planning, urban form, data science, and urban informatics. Recent projects have focused on 1) the nature and character of urban street networks around the world, and 2) how spatial technologies and their data shape housing markets and our understanding of affordability.

