



Fall 2025 SPDC Research Seminars

September 17, 2025

3:30 - 4:30 P.M.

Human Ecology Building ROOM HE315

Chang Xu

Xu is a Ph.D. student in Urban and Regional Planning. She holds an MS in sustainable urban planning from George Washington University. Her research centers around spatial planning, computational modeling, and utilizing big data analysis.



Who Gets to Charge? Assessing Social Equity in Electric Vehicle Charging Station (EVCS) Accessibility and Allocation

The transition to electric mobility requires not only expanding the charging network but also ensuring that electric vehicle charging stations (EVCS) are accessible to all communities. This seminar examines methods for measuring EVCS accessibility across geographic and social dimensions and explores how allocation decisions affect equity outcomes. Drawing on spatial and socio-economic data, the seminar will present how accessibility varies across urban and rural areas, and discuss trade-offs in allocation strategies. The session highlights both methodological approaches and policy implications, with a focus on viewing EVCS accessibility through the lens of social equity.