School of Planning, Design and Construction
MICHIGAN STATE UNIVERSITY

RESEARCH SEMINAR

Mi Zhou

November 11, 2026
Human Ecology Building 315
3:30 p.m. - 4:40 p.m.

Physical Siting and Infrastructure Synergy for AI Data Centers

Abstract

Rapid AI expansion places extraordinary strain on regional power, water, and spatial infrastructure. Physical site selection is the primary anchor of data center sustainability, fundamentally governing thermodynamic cooling access, grid connection stability, and multi-energy integration. Strategic location decisions dictate whether facilities can operate efficiently within local physical constraints. This seminar highlights the decisive role of geospatial siting in bridging heavy computing demands with resilient built-environment systems.

Bio

Mi is a Ph.D. student in Construction Management. He holds an MS in Construction Administration from Columbia University. His research focus on the construction site management. He is dedicated to explore the complementary of construction technology and construction management. His work is supported by NSF.

Please contact Dr.Zhao at dz@msu.edu for more information.