

# AI IN TRANSPORTATION: ADVANCING FUZZY INFERENCE SYSTEMS FOR ENHANCED DISCRETIONARY LANE CHANGING IN HIGHWAY

AI Seminar Series

Aug. 28 @2 PM

CCSB 1.0410

**Faculty & Students from all  
disciplines are welcome!**

Discover how Lane Changing Decision Models (LCDM) help automated vehicles mimic human decisions during discretionary lane changes.

Join Civil Engineering researchers as they present enhancements to Fuzzy Inference Systems, including refined fuzzy rules and the integration of relative speed inputs, validated with diverse trajectory datasets capturing real-world driving behavior.



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