

Chair of Traffic Engineering and Control TUM Department of Civil, Geo and Environmental Engineering Technical University of Munich

# Bicyclist Maneuver Type Prediction Using Bidirectional Long Short-Term Memory Neural Networks

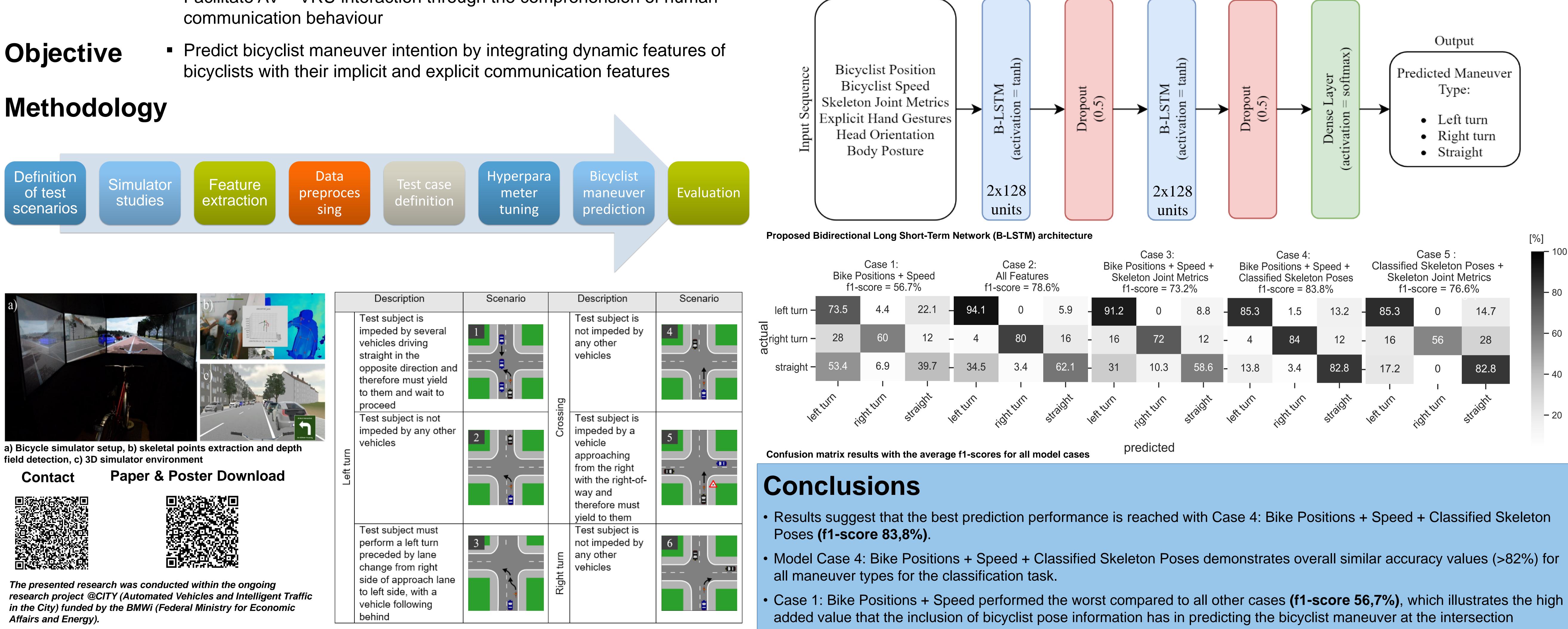
1) Technical University of Munich, Chair of Traffic Engineering and Control

- Motivation
- environments.

of test

studies

Feature extraction sing



# Georgios Grigoropoulos<sup>1</sup>, Patrick Malcolm<sup>1</sup>, Andreas Keler<sup>1</sup>, Heather Kaths<sup>1</sup>, Klaus Bogenberger<sup>1</sup>, Fritz Busch<sup>1</sup>

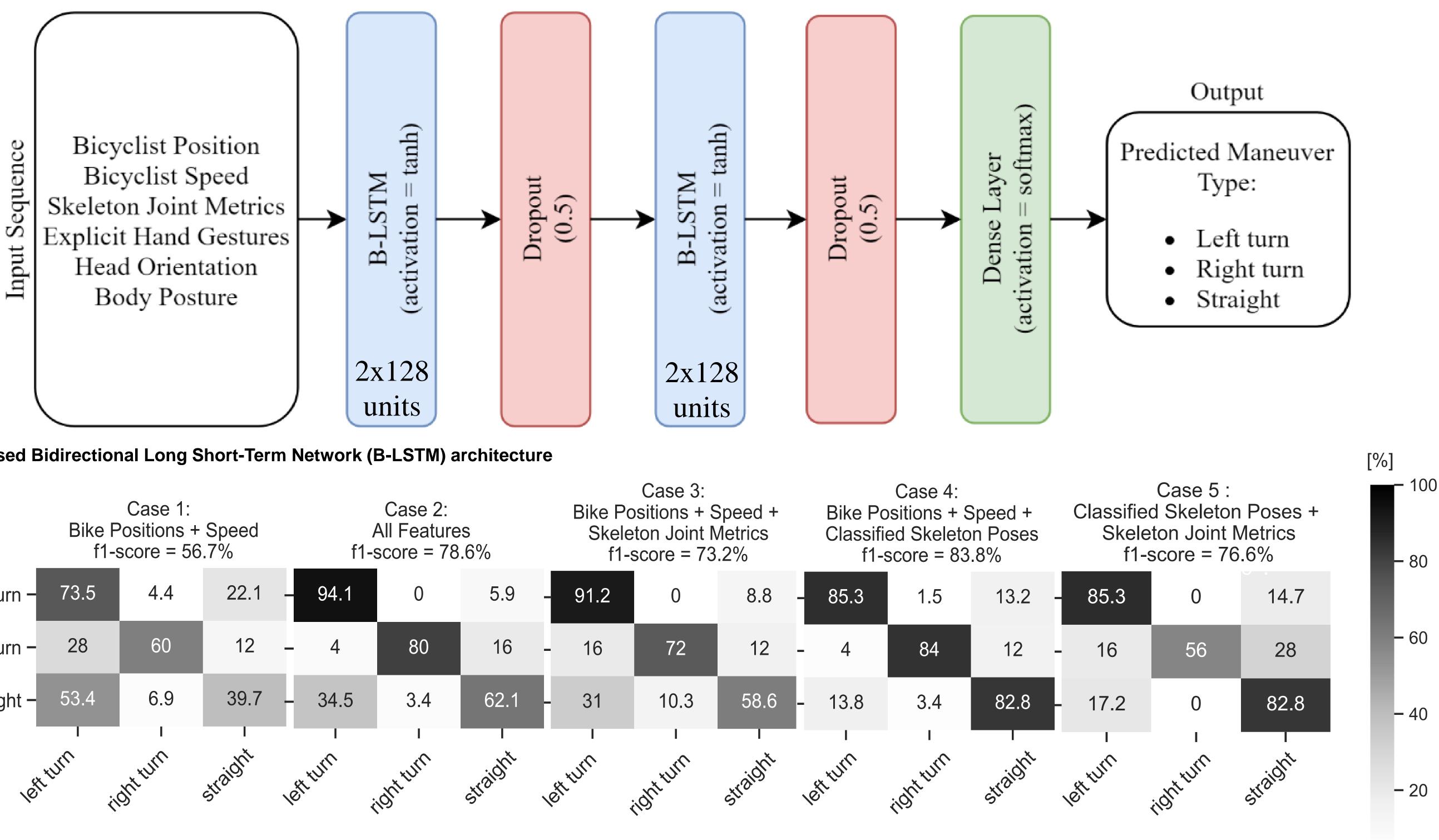
### Support autonomous vehicle operation in complex urban road

Facilitate AV – VRU interaction through the comprehension of human

Simulator study test scenarios



## Results



- approach.