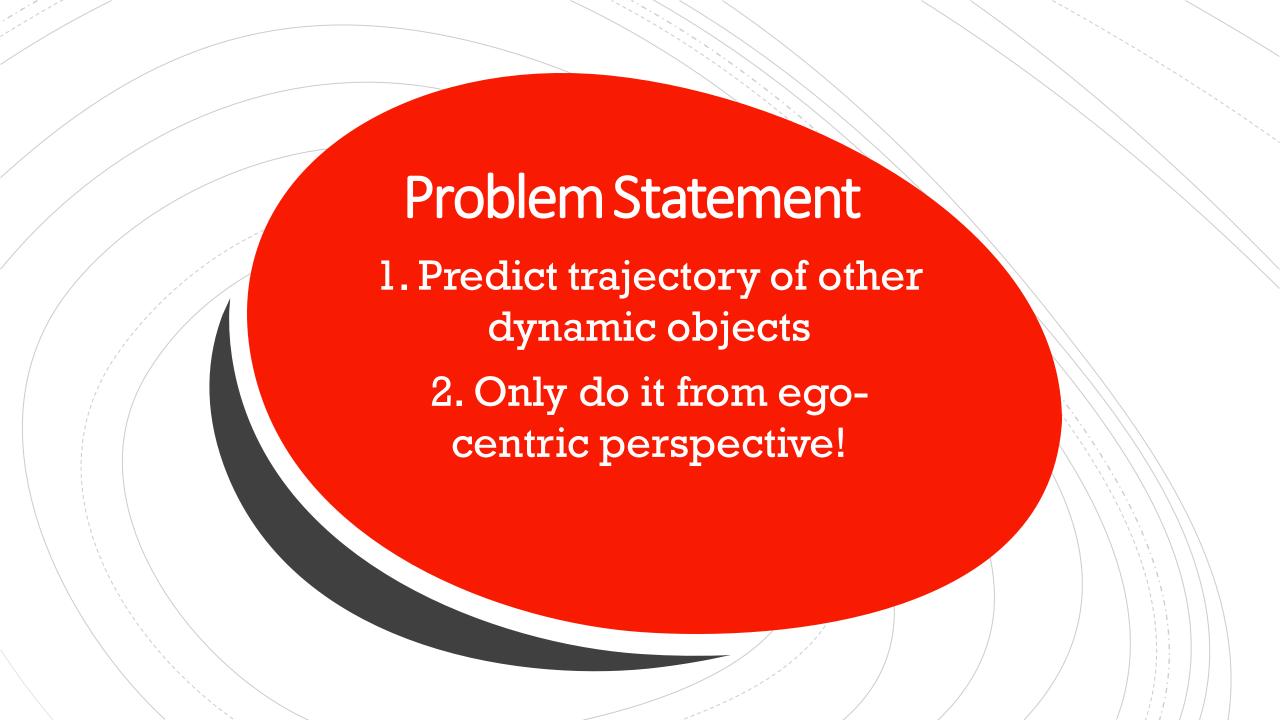
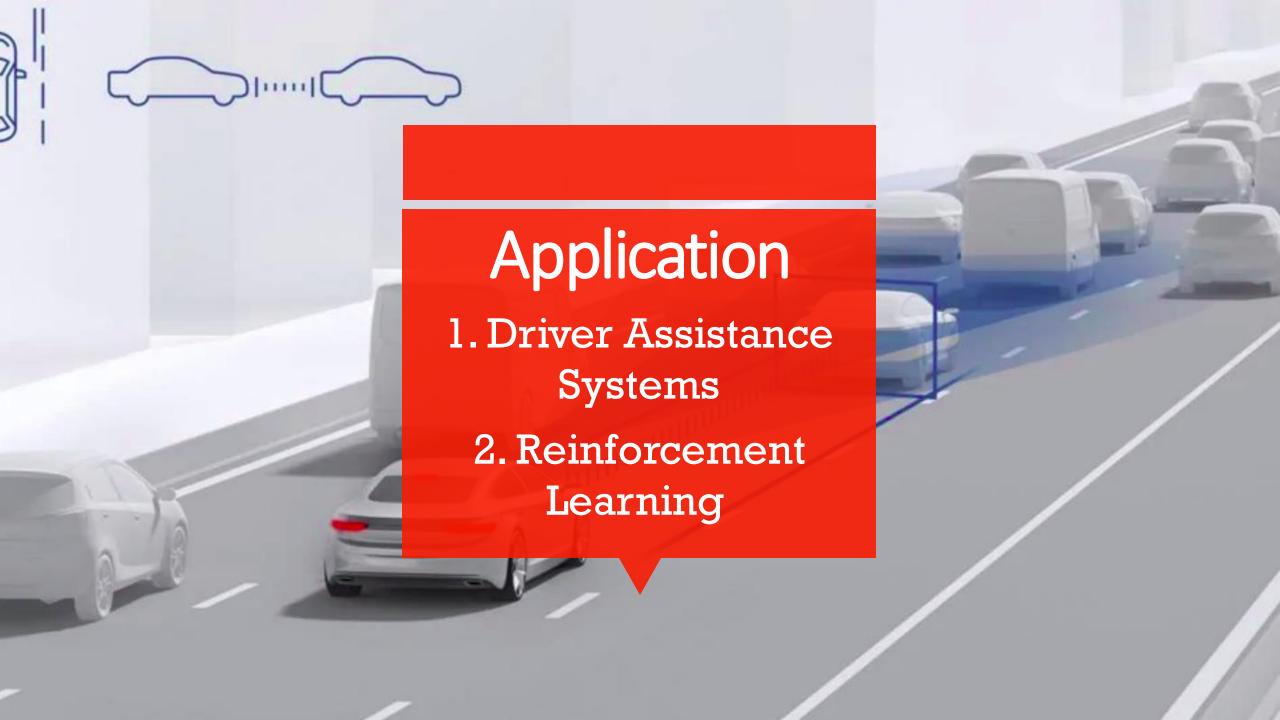
## Trajectory Prediction for ADAS

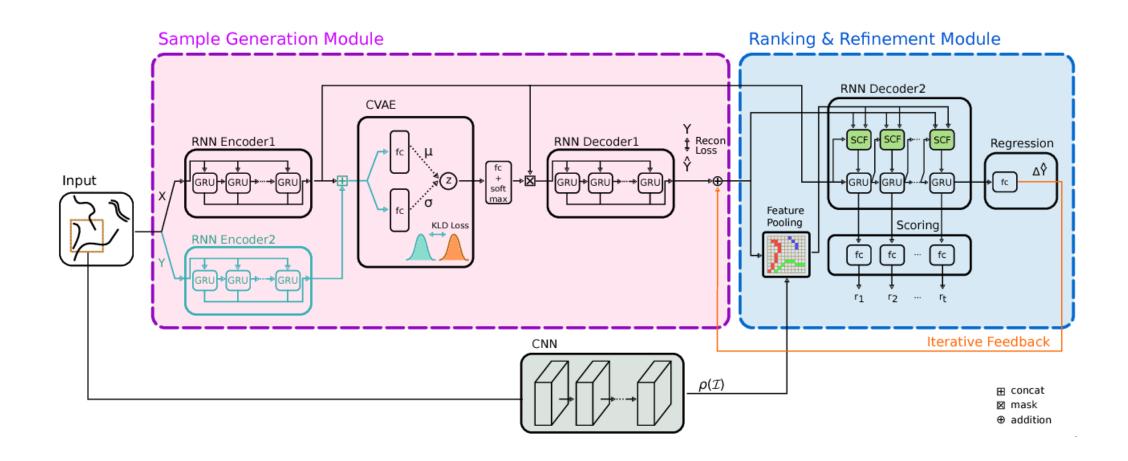
Muhammad Sarim Mehdi

Supervisor: Prof. Luigi di Stefano





## Summary of research so far

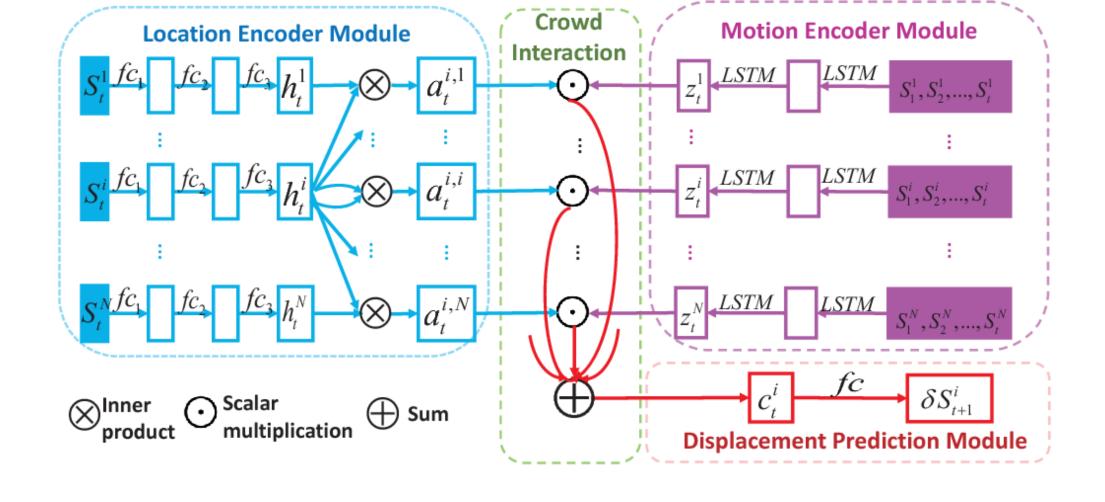


Deep Stochastic IOC RNN Encoder-decoder (2017)



DESIRE

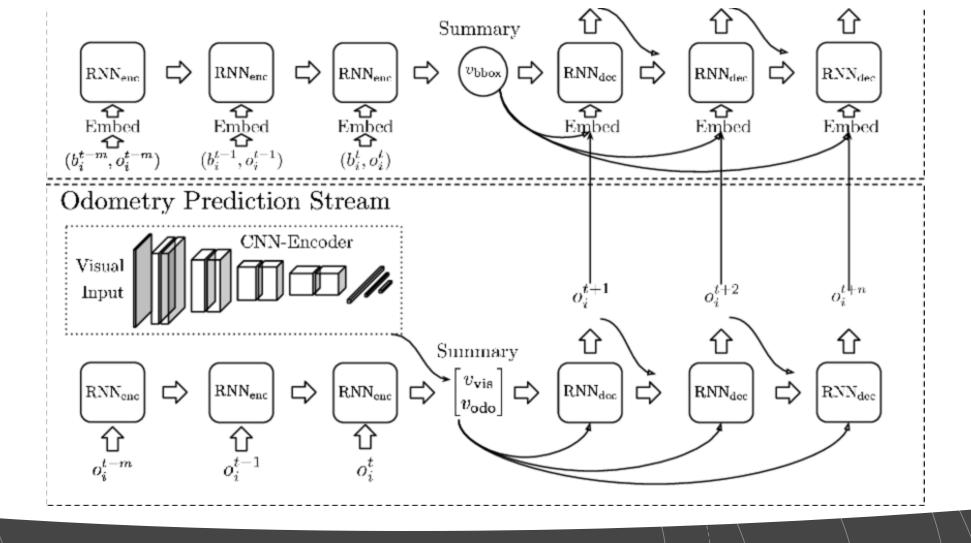
Deep Stochastic IOC RNN Encoder-decoder (2017)



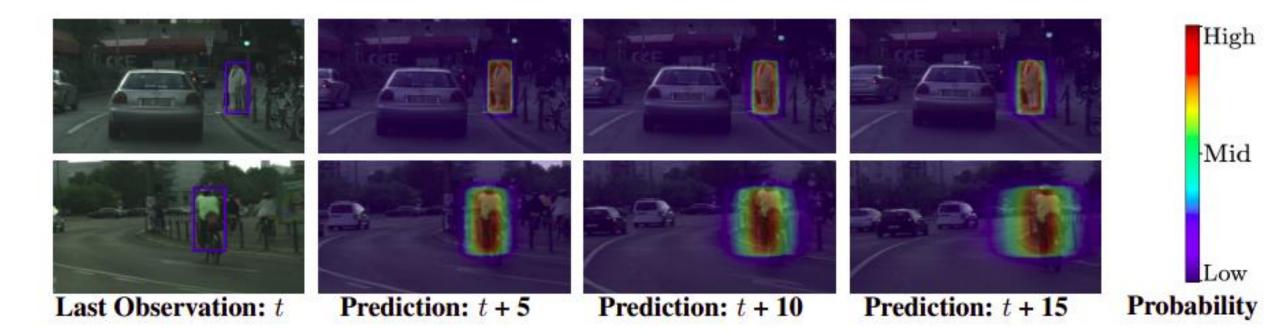
Deep Neural Network for Pedestrian Trajectory Prediction (2018)



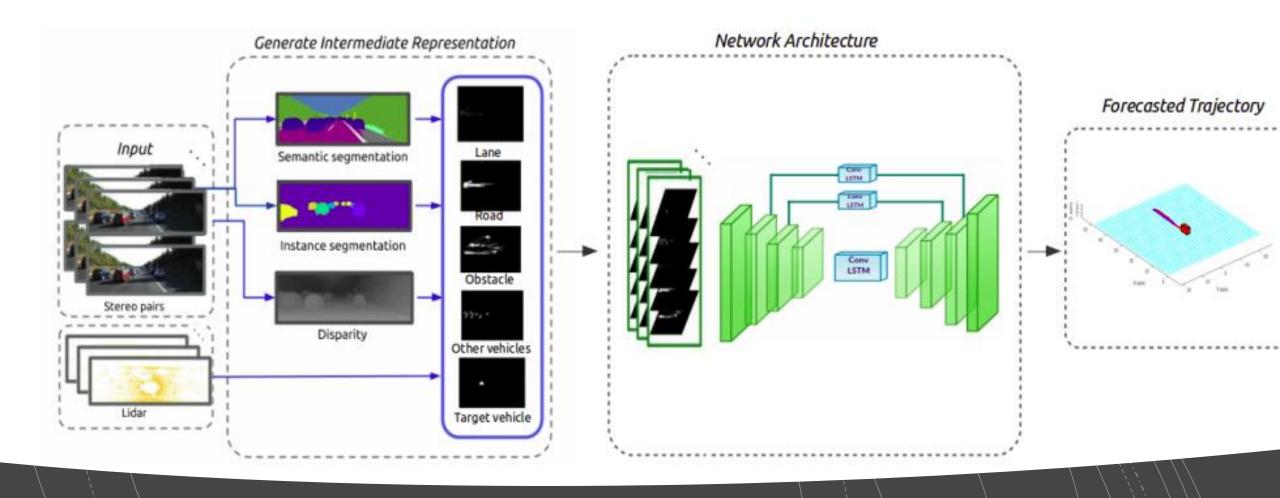
Deep Neural Network for Pedestrian Trajectory Prediction (2018)



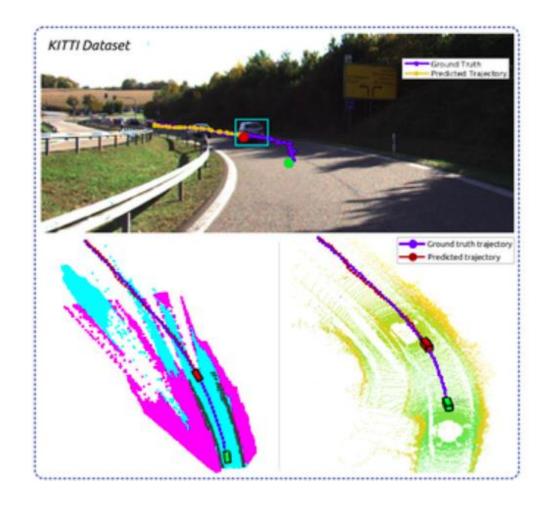
Uncertain Pedestrian Trajectory Prediction (2018)



Uncertain Pedestrian Trajectory Prediction (2018)



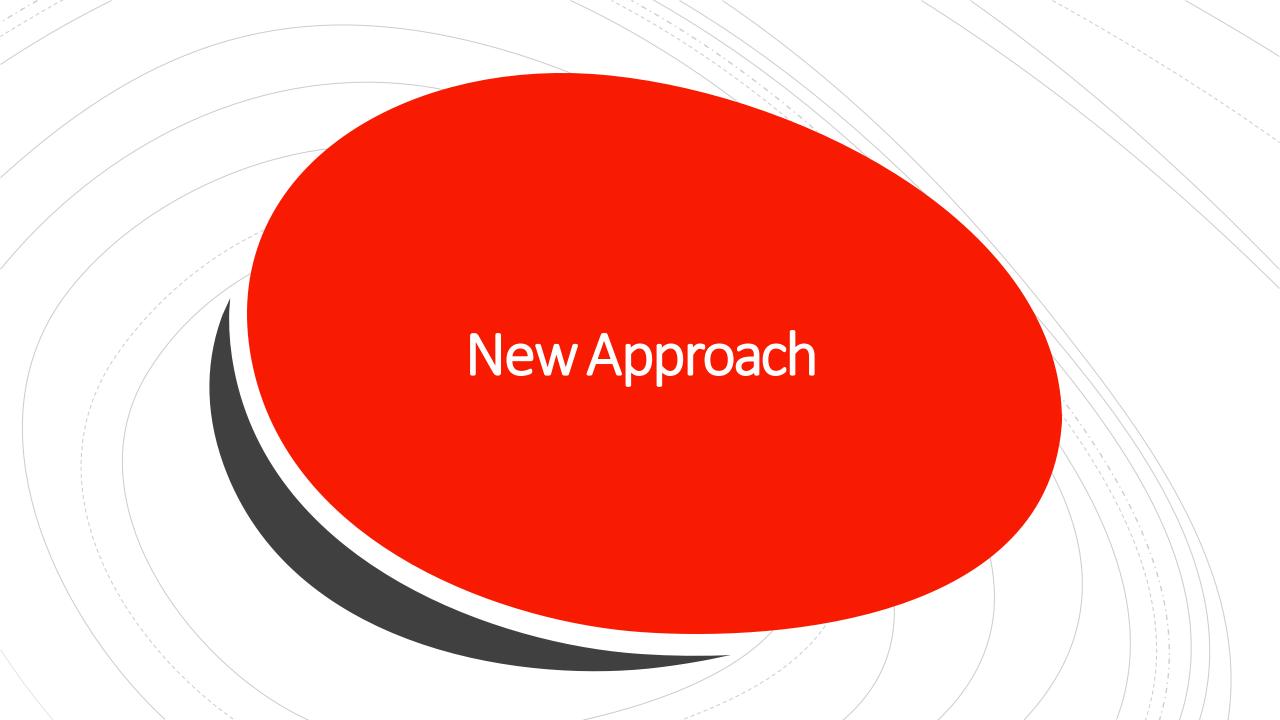
INFER: INtermediate representations for FuturE pRediction (2019)

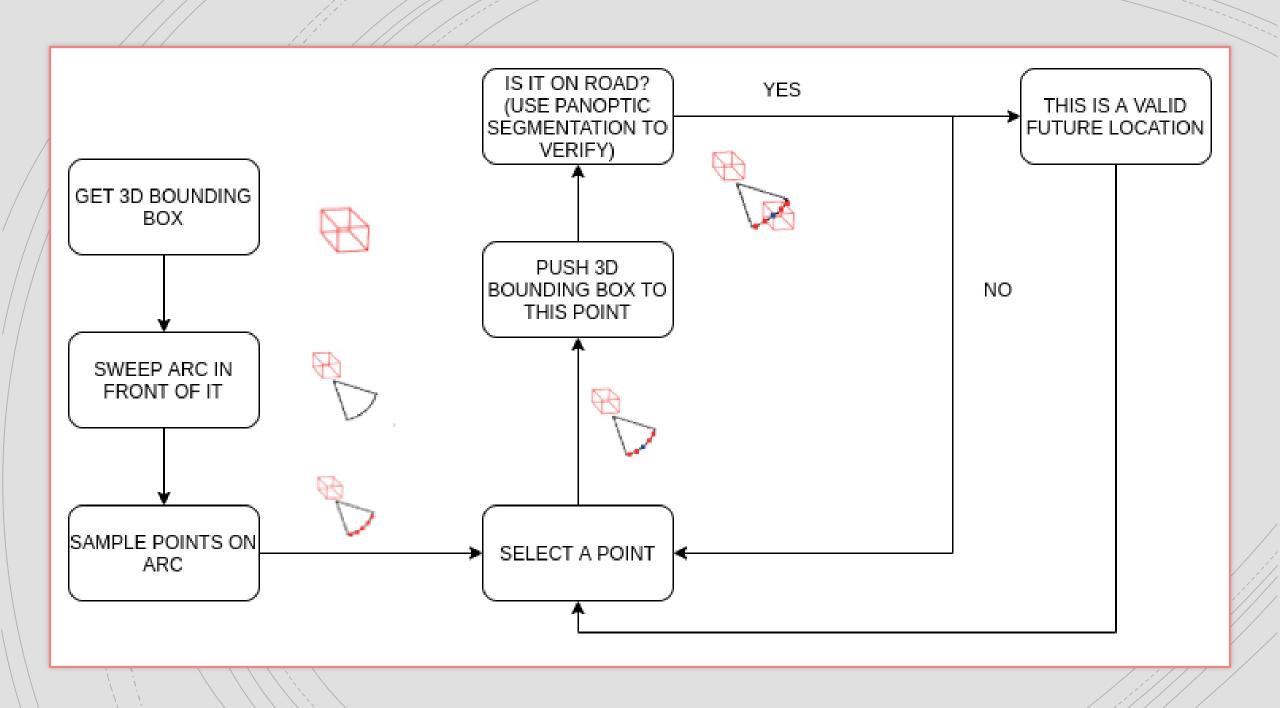


INFER: INtermediate representations for FuturE pRediction (2019)

## Problems with previous approaches

- 1. Static background image
- 2. Very complicated neural net architecture
- 3. Predictions made in 2D space
- 4. Mostly supervised learning approaches



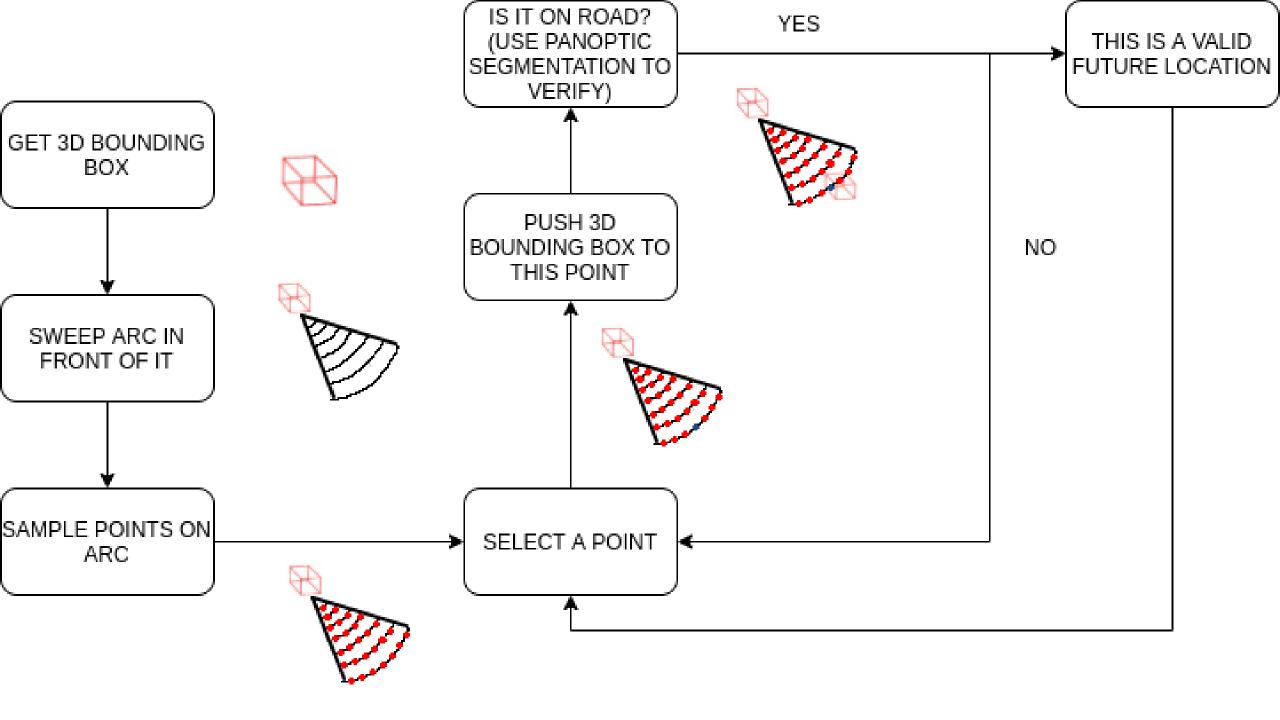




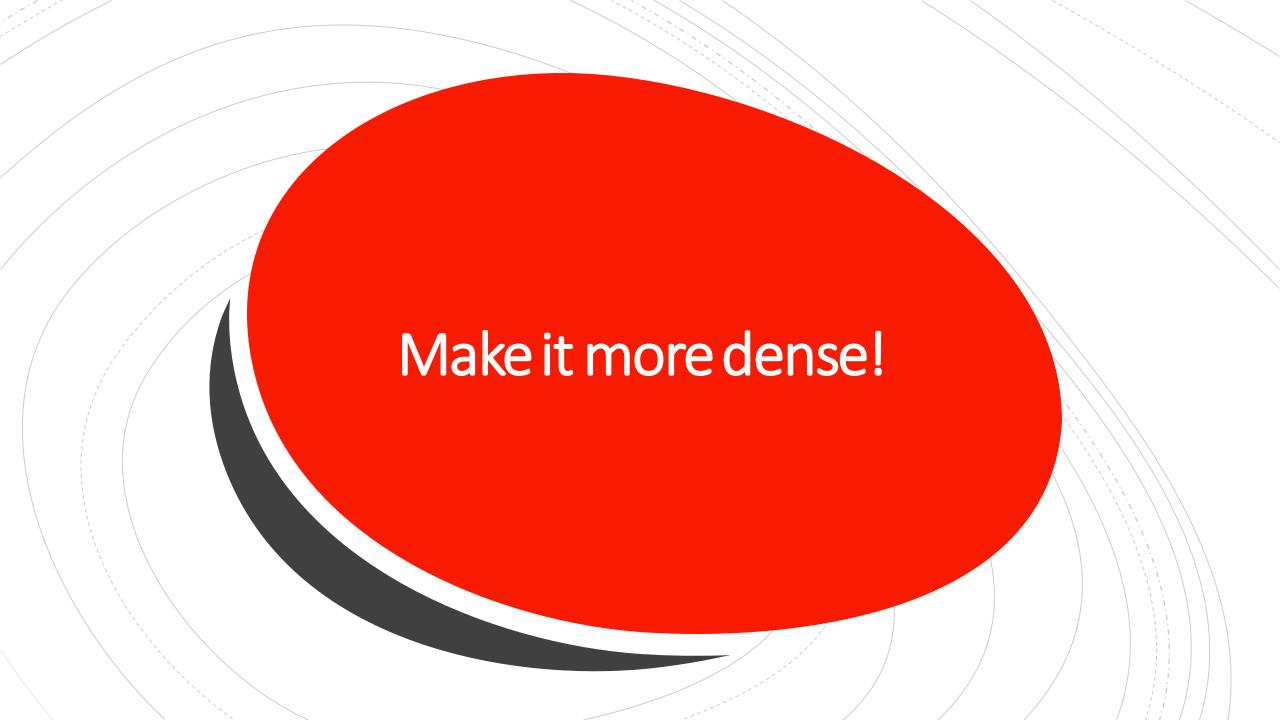


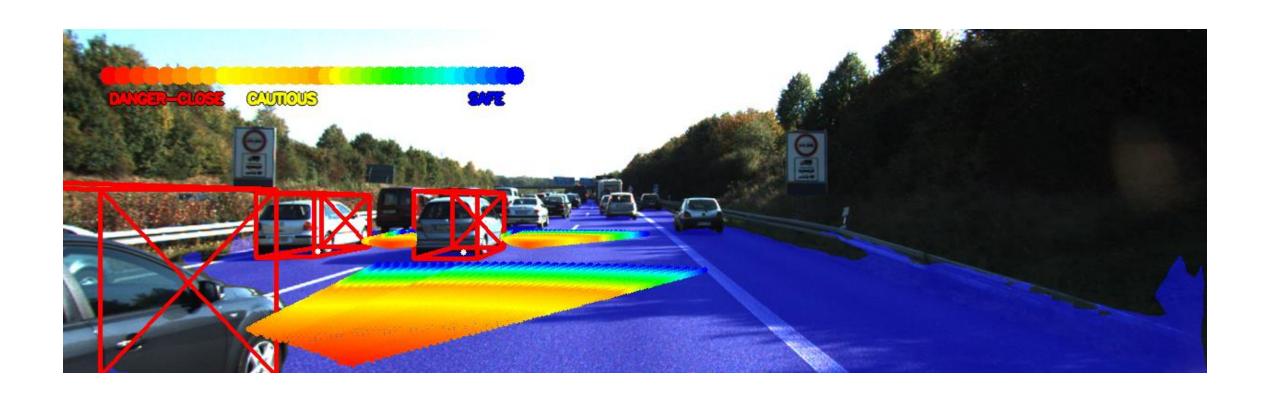


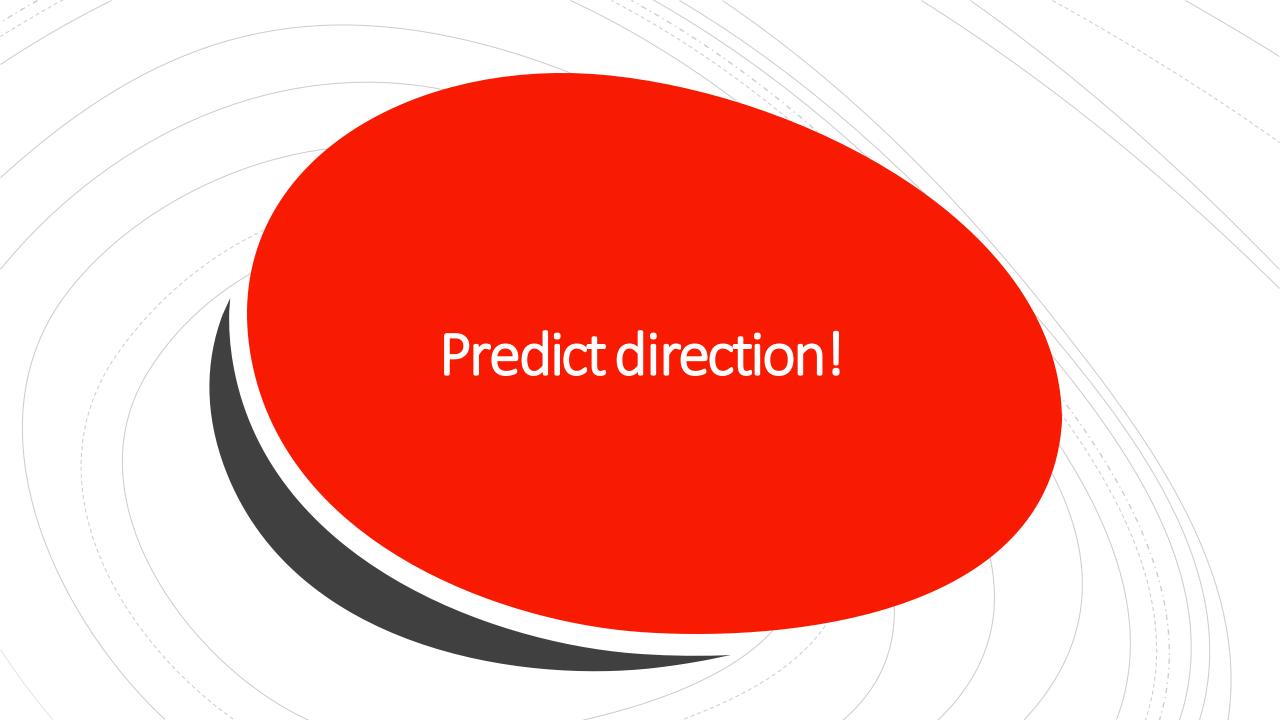


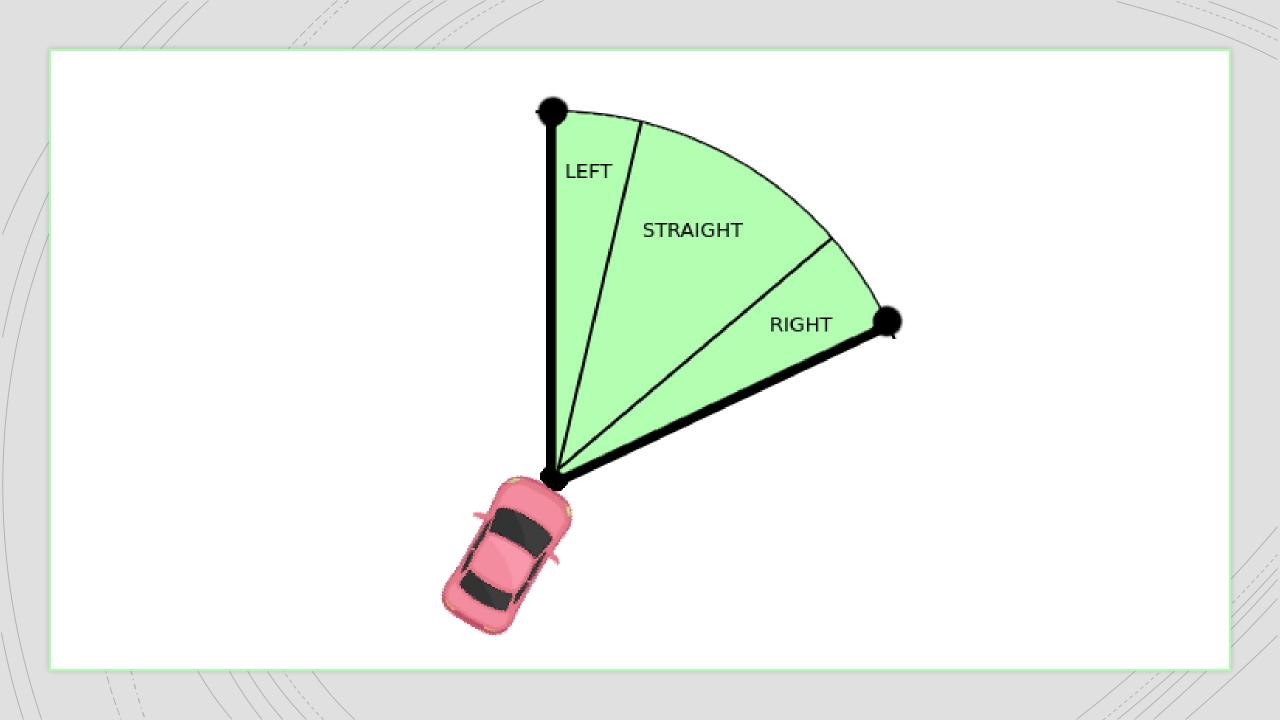




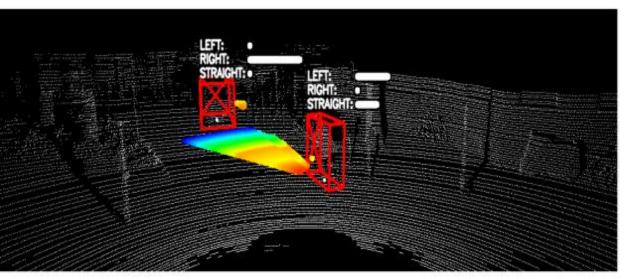




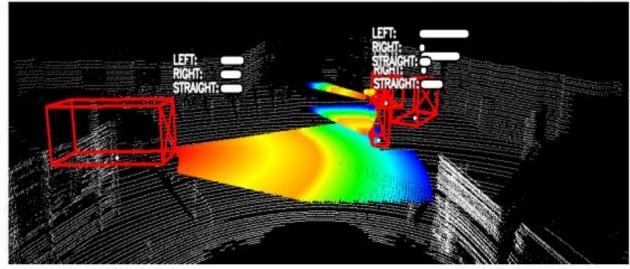






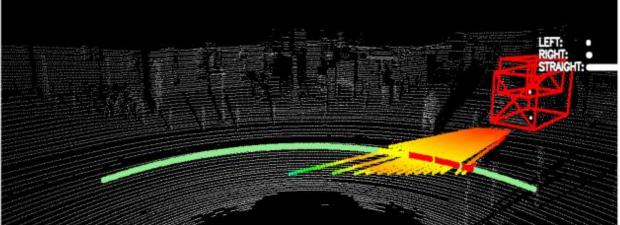


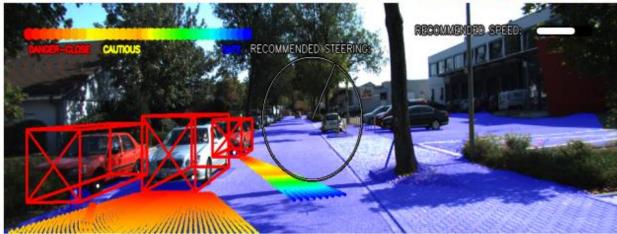


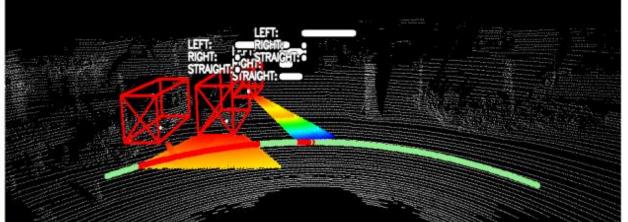


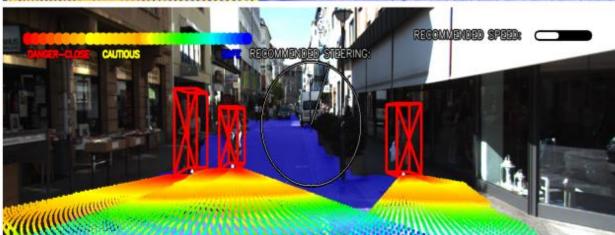


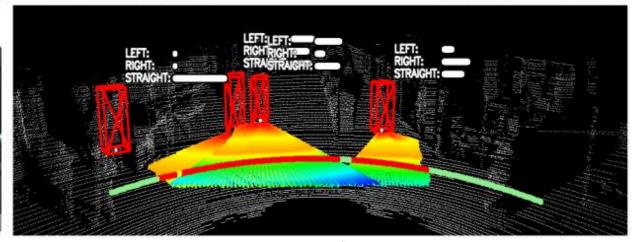


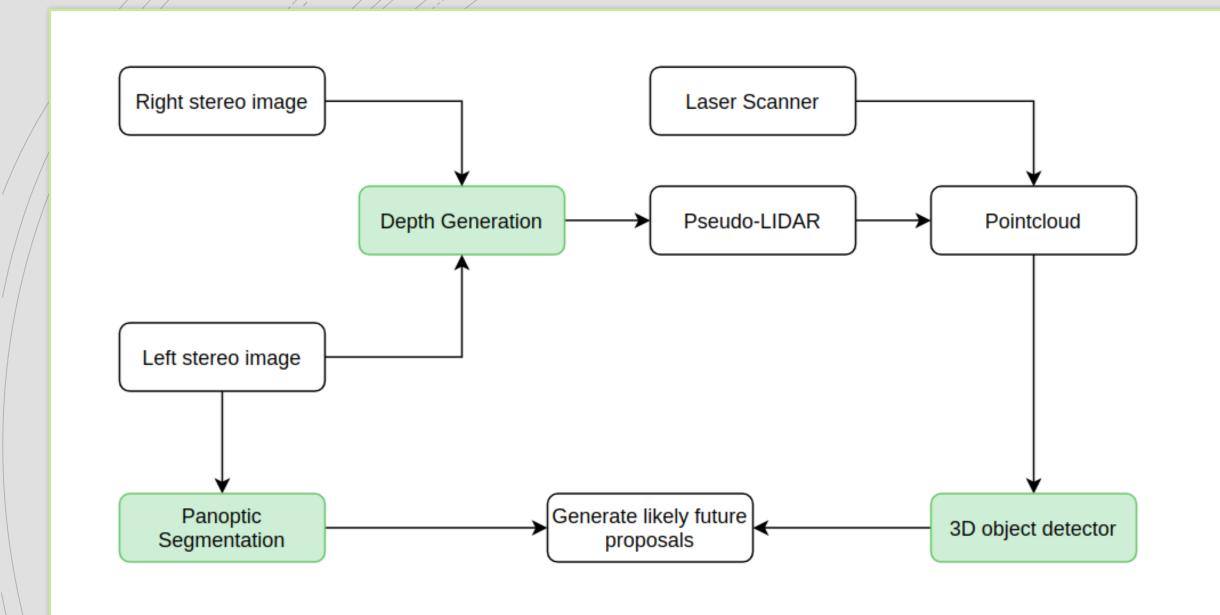






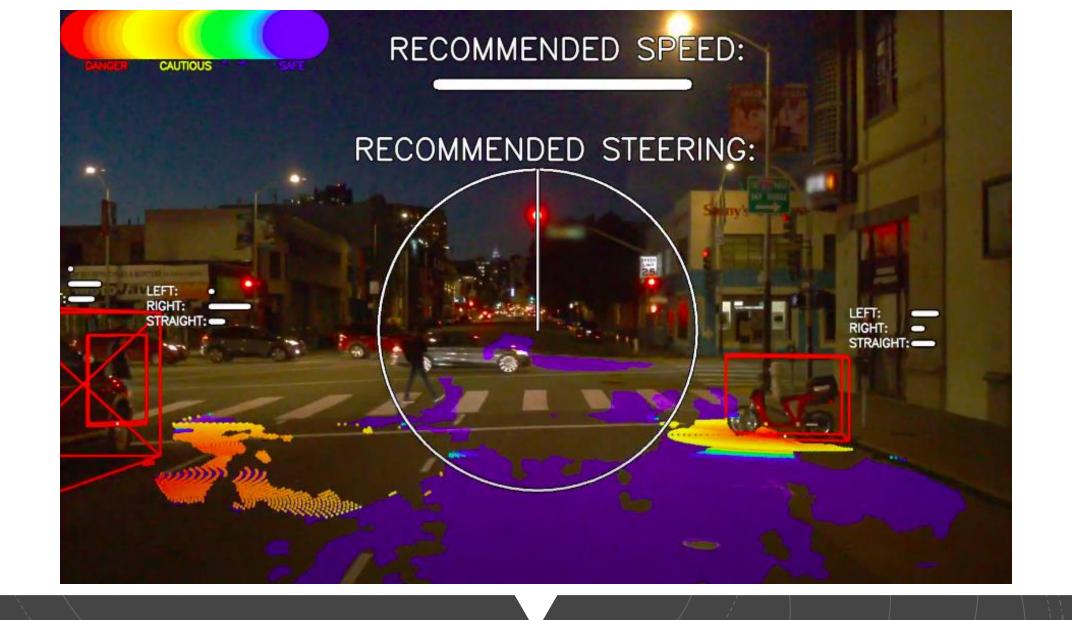








Inaccurate 3D object detector



Inaccurate Panoptic Segmentation

