

# Deep Learning for Radar Data Exploitation in Autonomous Driving

Arthur Ouaknine, 3rd year PhD Student

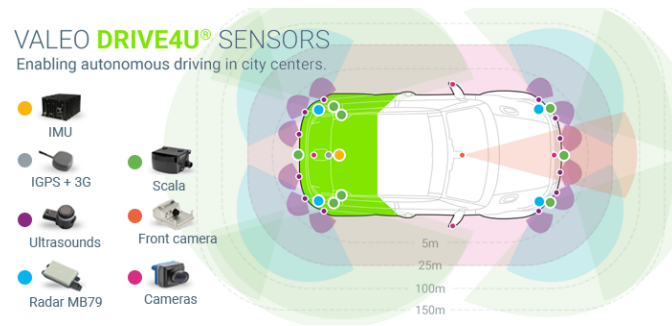
10/06/2021, PhD Student Day, IP Paris IDIA



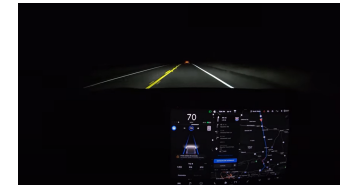
valeo.ai

Supervisors: Florence Tupin<sup>1</sup>, Patrick Pérez<sup>2</sup>, Alasdair Newson<sup>1</sup>

# Motivations



Facing sun



Night

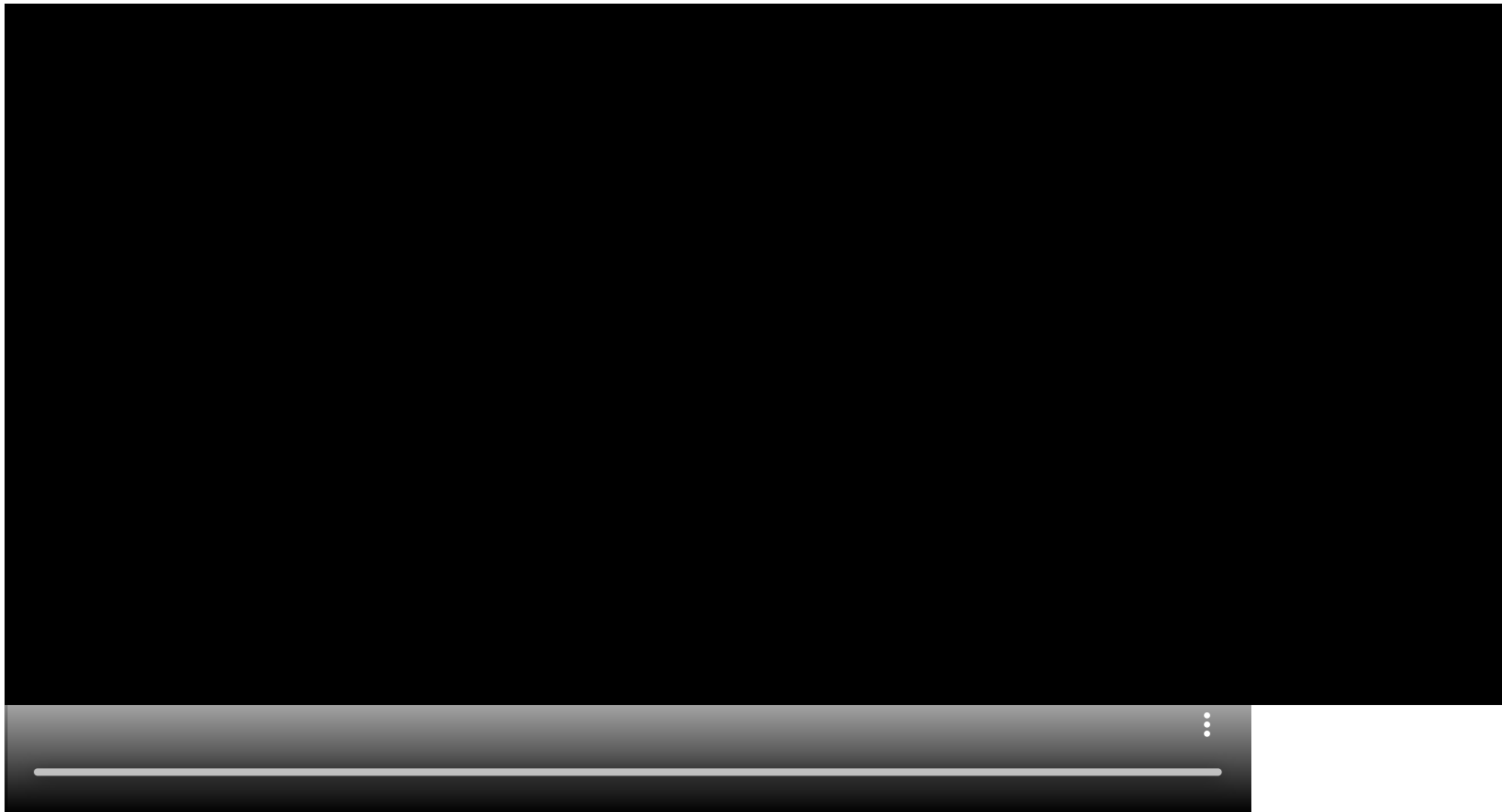


Rain

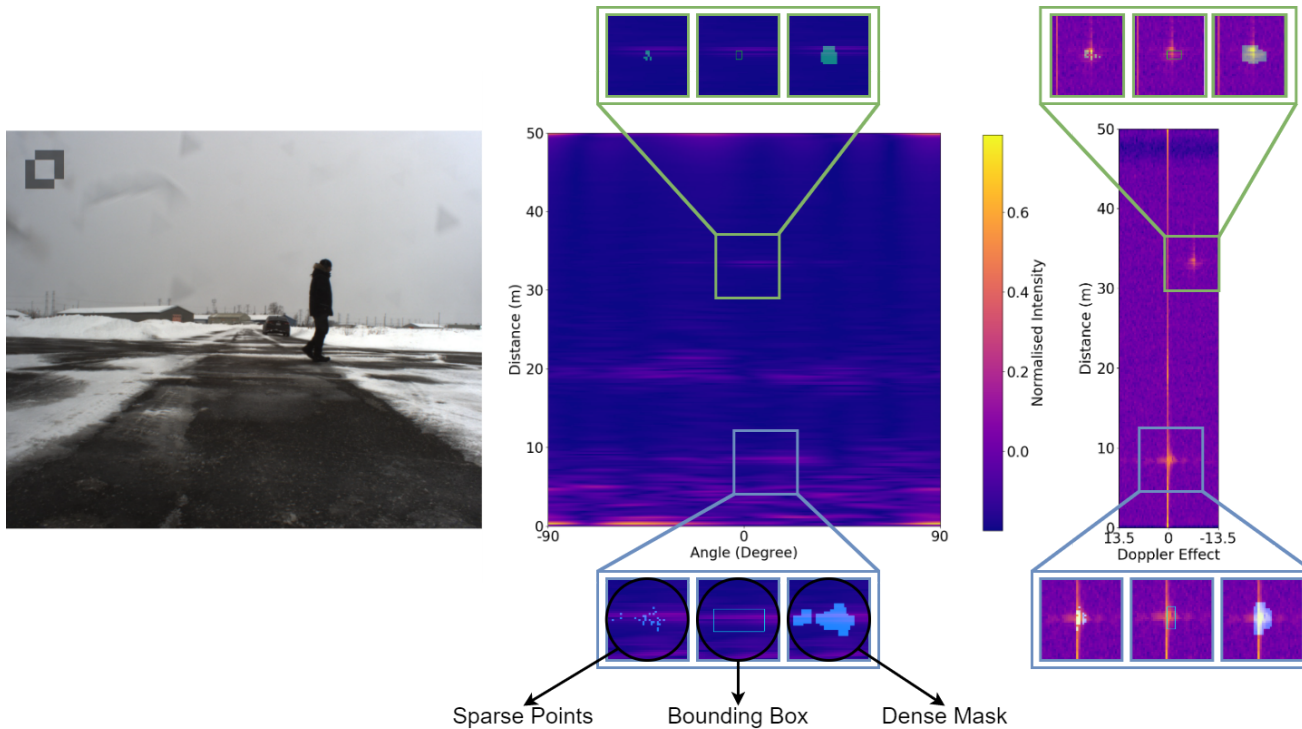


Snow

# Raw Radar Representations



# CARRADA Dataset



A. Ouaknine et al., CARRADA Dataset: Camera and Automotive Radar with Range-Angle-Doppler Annotations.  
ICPR 2020

# Multi-View Radar Semantic Segmentation

