ABSTRACT: In this talk I will discuss recent autonomous driving research at Aptiv. I will provide a brief summary of the NuScenes dataset and PointPillars and point out some directions for future research on 3-D object detection by extending the PointPillars model. Next, I will describe in detail, our recent work, 'PointPainting: Sequential Fusion for 3D Object Detection'. Finally, if time permits, I will briefly describe the CoverNet model for trajectory prediction.

REFERENCES: