



UTC Graduate Student Leadership Development Seminars

Presentations of Student Safe-D Research

Maryam Shirinzad & Abhishek Nayak Thursday, October 10, 2019 • 4:00 p.m. PDT • 7:00 p.m. EDT SAVE THE DATE: Location and webinar information will be provided at a later date



PHD STUDENT CIVIL ENGINEERING TEXAS A&M UNIVERSITY GRADUATING FALL '19 Maryam Shirinzad

Using Big Data to Assess Corridor Safety Performance at Approaches to Freeway Interchanges

About the Project

Using simulation, a large amount of data consisting of hundreds of scenarios were created and a new approach was used to assess the safety of urban arterials near diamond interchanges.



PHD STUDENT MECHANICAL ENGINEERING TEXAS A&M UNIVERSITY GRADUATING FALL '22 Abhishek Nayak

Reference Machine Vision for ADAS Functions

About the Project

In order for Lane Keeping Assist and Lane Departure Warning technologies to function effectively in vehicles, they must correctly detect a variety of lane markings. The objective of this project is to develop a reference lane detection system that will provide a benchmark for evaluating different lane markings and perception algorithms.