Robotics Seminar Series

Autonomous Highway Driving with Torc's Virtual Driver

Zachary Brock & Daniel Fernández
Torc Robotics

This presentation will speak to several applications of classical robotic path planning techniques in the pursuit of safe and reliable autonomous highway driving. Torc's Virtual Driver seeks to commercialize a hub-to-hub freight solution to solve the impending long-haul truck driver shortage. Today, testing of the Virtual Driver is carried out on public roads across the United States, providing valuable and rapid feedback to the developers in the Behaviors, Planning and Controls (BPC) department. BPC developers use this on-road data to build the most efficient global, policy, lateral, and longitudinal planners, some of which will be presented for discussion.

Zachary Brock is a Senior Software Engineer in the Behaviors, Planning and Controls department at Torc. He graduated from the Robotics Program at Oregon State University, where he worked in LRAM, in 2020.

Daniel Fernández is a Senior Engineering Manager in the Behaviors, Planning and Controls department at Torc. He graduated from the Robotics Program at Oregon State University, where he worked in the RDML, in 2015.

FRIDAY
Apr 7
10-11AM

Rogers Hall 230
FREE
Refreshments Served

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