

DATE

ABC Seminar May 28, 2018

TITLE

A Window to Autonomous Vehicles from a Human-Robot Interaction Perspective

ABSTRACT

Automotive companies, tech companies and transportation companies are all developing different types of autonomous vehicles (AVs). As technology races forward, the human interaction with it must be considered and studied to facilitate the safe usage and the acceptance of those vehicles.

Current research at BGU's Human Performance Evaluation Lab (HPEL) is focused on the interaction between AVs and drivers, pedestrians and other road users.

In this talk, we will describe how critical problems in the field of AVs (safety-related and acceptance-related) may be addressed drawing on previous research into Human-Robot Interaction and Human-Automation Interaction.

BIO

Guy Cohen-Lazry is a PhD student at the Industrial Engineering and Management Department at BGU. He completed his MSc at BGU, studying transfers of control between Level-3 autonomous vehicles and drivers. His current research regards discomfort and risk perception in Level-5 autonomous vehicles.