

Good Morning,  
You are invited to attend our weekly ECE Graduate Seminar.

**Old Dominion University**  
**College of Engineering and Technology**  
**Department of Electrical and Computer Engineering**

All lectures to be held at 3:00pm on Fridays online at

[https://vs.prod.odu.edu/kvs/interface\\_webex/?cid=202020\\_ECE731ECE831VS\\_94044](https://vs.prod.odu.edu/kvs/interface_webex/?cid=202020_ECE731ECE831VS_94044)

For more information, contact Dr. Chung Hao Chen at (757) 683-3475 or email cxchen@odu.edu.

**Friday, April 16, 2021 Seminar Topic:**

**REAL-TIME CORRIDOR DETECTION FOR MOBILE ROBOT NAVIGATION WITH HOUGH TRANSFORM USING A DEPTH CAMERA** by Ahmet Saglam, Ph.D. Candidate in the Department of Computational Modeling and Simulation Engineering at Old Dominion University

**Abstract:**

The ability to detect corridor-like structures is essential for autonomous mobile robot navigation in indoor environments. In this paper, we present a novel method for real-time corridor detection using a single depth