

Computer Engineering

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

https://vs.prod.odu.edu/kvs/zoom/?cid=202120_ECE731831GraduateSeminarSpring2022VS_96353

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

Friday, April 22, 2022 Seminar Topic:

"nnUNet-based Multi-modality Breast MRI Segmentation and Tissue-Delineating Phantom for Robotic
by Mr. Motaz Alqaoud, PhD Student in the Biomedical Engineering Institute at Old
Dominion University

Abstract:

Segmentation of the thoracic region and breast tissues is crucial for analyzing and diagnosing the presence of breast masses. We introduce a medical image segmentation architecture that aggregates two neural networks based on the state-of-the-art nnU-Net. Additionally, this research proposes a polyvinyl alcohol cryogel (PVA-C) breast phantom,