I-SENSE Distinguished Seminar Series

TOPIC

Learning from Signals: Advancing Diagnostic and Assistive Technologies Through Machine Learning

In this talk, I will present recent machine learning-based solutions developed in my lab for processing of physiological signals, with the goal of advancing diagnostic and assistive technologies. The first part of the talk will focus on cardiovascular signals, discussing challenges and introducing solutions for developing models to estimate blood pressure from signals acquired through wearable sensors. The second part of the talk will focus on neural signals, highlighting the challenges and presenting solutions for developing models for the problem of early detection of mild traumatic brain injury. Finally, solutions that lead to performance improvement of brain computer interfaces, with application in assistive technologies, will be discussed.

SPEAKER

Professor, Department of Electrical and Computer Engineering, Rutgers University, and member, Rutgers Brain Health Institute

Thursday, Feb. 6
11 a.m. – 12 p.m.
Engineering East Building, Conference Room , Boca Raton Campus and on Zoom

Unable to join in-person? Attend on Zoom.

For more information, please contact Michelle Morgan at michellemorgan@fau.edu or (561)-297-0145