Seminar Announcement

Friday, September 21, 2018
12:00 pm – 1:00 pm
Olin Engineering, Room 202
Marquette University

Dong Hye Ye, Ph.D.
Assistant Professor
Electrical and Computer Engineering
Marquette University

Abstract

“Machine Learning for Biomedical Image Processing”

In recent years, it has become increasingly easy to gather large quantities of biomedical images. Processing these large image databases is key to unlocking a wealth of information with the potential to be used. However, both interpretation of that big data and connecting it to downstream biomedical image processing is still challenging. To tackle this challenge, I unlock the valuable prior knowledge from large image databases via machine learning techniques and use it to improve biomedical image processing. In this talk, I will present how machine learning can help biomedical image processing such as disease classification, brain tumor detection, CT reconstruction and microscopic imaging.