



Department of Biomedical Engineering
Graduate Seminar

Date
Friday, October 18th

Location
Central King Building (CKB) 303

Time
11:45 AM



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**Biomedical Data Science in
Orthopaedics and Rehabilitation:
AI for Understanding Neuromusculoskeletal Disorder**

Abstract:

Neuromuscular Conditions and Musculoskeletal injuries are the most common healthcare problems in the United States. Current diagnosis and evaluation methods used in the clinical settings are limited in terms of accuracy, convenience and cost. Digital imaging technologies are becoming more and more accessible in clinical settings and enable accurate and fast characterization of in vivo joint kinematics and whole body kinematics. This presentation will discuss the cutting edge research utilizing computer vision and medical imaging for neuromusculoskeletal system evaluation and demonstrates how advanced methods can be used for understanding of neuromusculoskeletal injuries.

Light refreshments will be served.