

# SEMINAR SERIES

Supported by The Department of Biomechanics and  
The Center for Research in Human Movement Variability (MOVCENTR)



## CONTROL AND HUMAN PERFORMANCE EVALUATION OF LOWER LIMB WEARABLE ROBOTIC SYSTEMS

Featuring Dr. Aaron Young  
Georgia Institute of Technology



May 24, 2019 | 12:00 - 1:15 pm | H&K112  
Parking Available in Lot T

### ABOUT DR. YOUNG

Dr. Aaron Young is an Assistant Professor of Mechanical Engineering at the Georgia Institute of Technology and Institute for Robotics & Intelligent Machines. He is director of the Intelligent Prosthetic & Exoskeleton Controls Lab focused on lower limb robotic augmentation. His research focuses on studying human locomotion biomechanics during robotic assistance to help guide the development of control systems. The long term goal is to create clinically viable control systems for robotic lower limb assistive devices that are smart and intuitive to use. His previous experience includes a post-doctoral fellowship at the University of Michigan in the Human Neuromechanics Lab working with lower limb exoskeletons and powered orthoses to augment human performance. His dissertation work at Northwestern University in the Center for Bionic Medicine at the Rehabilitation Institute of Chicago focused on using machine learning to enable an intent recognition system for powered lower limb prostheses.

more info at [cobre.unomaha.edu](http://cobre.unomaha.edu)

\*This seminar was supported by the National Institutes of General Medical Sciences of the National Institutes of Health under Award Number P20GM109090  
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