SEMINAR SERIES

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

WHAT IS DYNAMIC BALANCE?

Featuring Dr. Carolin Curtze
University of Nebraska at Omaha

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April 19, 2019 | 12:00 - 1:15 pm | H&K112
Parking Available in Lot T

ABOUT DR. CURTZE

Carolin Curtze, PhD, is an Assistant Professor in Biomechanics at UNO. She earned her PhD in Rehabilitation Medicine from the University of Groningen, The Netherlands, exploring the neuromechanics of movement in lower limb amputees. Carolin completed her postdoctoral fellowship in the Department of Neurology at Oregon Health & Science University, studying balance and gait impairments in people with Parkinson's disease. Her overall research goal is to improve everyday functional mobility and prevent falls by investigating the pathophysiology of motor impairments and objectively characterizing them with new technologies.

LEARNING OBJECTIVES

- Explain concepts of dynamic balance.

- Explore how musculoskeletal impairments like amputees or neurological impairments like Parkinson's disease affect dynamic balance.

- Discuss the role of body-worn sensors in quantifying dynamic balance continuously during daily mobility.

more info at **cobre.unomaha.edu**

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