CLOSING THE LOOP: TRANSLATING REHABILITATION INTO THE CLINIC

Featuring Dr. Brian Knarr
University of Delaware

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ABOUT Dr. Knarr

Dr. Knarr is a Research Assistant Professor, at the Delaware Rehabilitation Institute in the Biomedical Engineering department at the University of Delaware. His research interests are to develop new rehabilitation methods and techniques; study and improve human biomechanics performance through computer-based models.

ABSTRACT

Dr. Knarr will discuss the design and implementation of new, more effective rehabilitation for the continued advancement of clinical practice. He will highlight work in three clinical populations at different stages of rehabilitation research: development, implementation, and evaluation: 1) evaluating outcomes of gait rehabilitation in individuals post-stroke and the subsequent development of new rehabilitation methodology, 2) developing and implementing clinically feasible methods to track joint loading in populations at risk for osteoarthritis, and 3) evaluating weight bearing compliance through new methodology and devices in populations with altered lower limb weight distributions.