Biomedical Engineering Seminar

The BIODYNAMICS LABORATORY at the University of Connecticut Health Center

Donald R. Peterson, PhD, MS - Director

Thursday, March 7, 2002
5-6pm
United Technologies Building, Room 150

Abstract:
The mission of the Biodynamics Laboratory involves the development of multi-modal measures used in synchronous conjunction to accurately identify and quantify fundamental biodynamic issues inherent to human performance. By identifying these issues, normal and abnormal biodynamic behaviors are readily ascertained and applied to any clinical or investigative scenario. Recent applications of these protocols model human interfaces with existing and developmental devices such as computer input devices, musical instruments, sports equipment, and powered and non-powered tools. Other applications being developed within the laboratory focus on spacesuit and spacetool development for NASA, hand/arm vibration, advanced vascular imaging techniques, tissue engineering, and computational biomechanics.