

# Biodynamics Research Lab

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## Research:

- Biomechanics of Balance, Gait and Motor Control
- Mobility and Postural Instability in Elderly
- Computational Neuroscience

## Collaborators:

Physiology: Paul Cheney, PhD

EECS: Arvin Agah, PhD

ME: Huazhen Fang, PhD

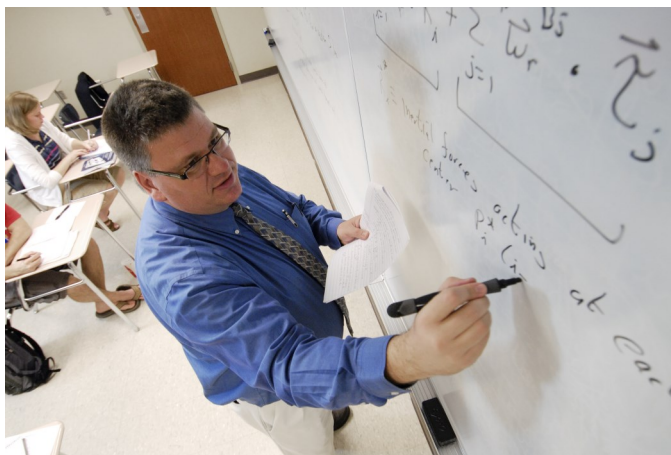
## Equipment:

Instrumentation: motion analysis, force plates, EMG, load cells & A/D

Analysis: inverse/direct dynamics, Signal Processing, MATLAB & ADAMS

## Funding Sources:

NIH, DOD, NSF, AFAR, and Whitaker



## Director:

**Carl W. Luchies, Ph.D.**

(U Michigan, 1991)

Associate Professor

Mechanical Engineering



[luchies@ku.edu](mailto:luchies@ku.edu)

## Courses:

Biomechanics of Human Motion

Experimental Methods in Biomechanics

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Go to [bio.engr.ku.edu](http://bio.engr.ku.edu) to learn more.