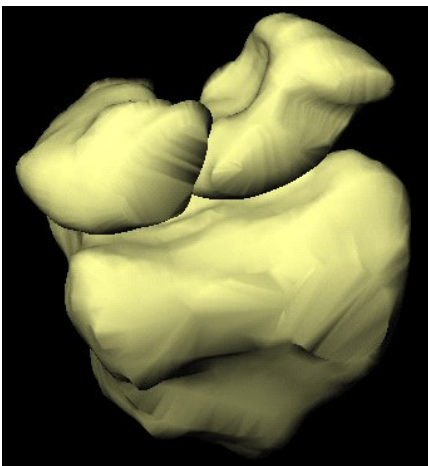
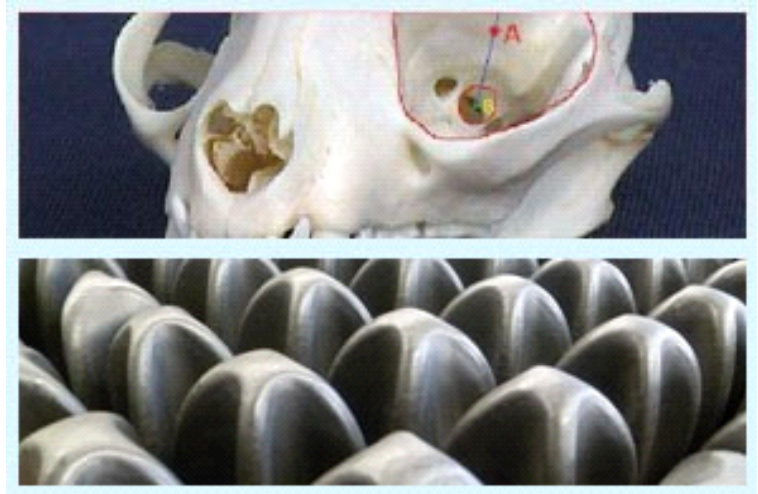


Musculoskeletal Biomechanics Laboratory

Research:

- Hand and wrist biomechanics
- Computer modeling of functional activities
- Orthopedic tissue characterization
- Design & evaluation of wheelchair seating
- Stress and Morphological analysis of paleontological specimens
- Stroke rehabilitation enhancements



Collaborating Faculty:

Human joint studies: E. B. Toby, MD (KU Med); T. McIlff (KU Med) and S-P. Lee (KU Med)

Wheel chair seating: K. Lassman (Kansas Neurological Institute)

Paleontology: L. Martin (KU) & B. Rothschild (KU)

Stroke Rehabilitation: W. Liu (KU Med) and P. Kluding (KU Med)

Equipment:

Multiple PC and unix computers;
Microscribe 3-D digitizer;
Tissue milling machine;
Portable low-field MRI scanner

Funding Sources:

National Institutes of Health (NIBIB)

Director:

Kenneth J. Fischer, Ph.D.

(Stanford, 1995)

Assistant Professor,
Mechanical Engineering

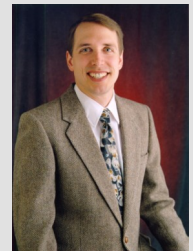
fischer@ku.edu

Basic Biomechanics

Bone Biomechanics

Computer Simulation in Biomechanics

Continuum Mechanics for Soft Tissue



Go to www.bio.engr.ku.edu to learn more.