

DEPARTMENT OF BIOMEDICAL ENGINEERING

Spring 2017 Seminar Series

Room 323 Robotics and Manufacturing Building

Fridays at 3:00 pm unless denoted by *

- February**
- 10 **K. Jane Grande-Allen**, Ph.D. Isabel C. Cameron Professor of Bioengineering. Director, Institute of Biosciences and Bioengineering Rice University “Experimental Frameworks for Analysis of Heart Valve Mechanobiology”
- 17 **Greg Wehner**, Ph.D. Candidate, UK BME, “Comparison of cardiac strains and torsion derived from feature tracking and displacement-encoded MRI” **and**
Scott Thalman, Ph.D. Candidate, UK BME, "Blood-Brain Partition Coefficient Imaging to improve Arterial Spin Labeling MRI"
- March**
- 10 **Peter Hardy**, UK MRISC, Assistant Professor of Radiology, "Using MR imaging to estimate tissue perfusion"**and**
Mingjun Zhao, Ph.D. Candidate, UK BME, “Noncontact Diffuse Optical Assessment of Blood Flow Distributions in Mastectomy Skin Flaps.”
- 24 **Amir Najarzadeh**, Ph.D. Candidate, UK BME, “Functionally Graded Polymeric Scaffolds for Tissue Engineering Applications II” **and**
Asma’a Ajwad, Ph.D. Candidate, UK BME, "Breathing Changes Associated with an Elevated Temperature in an Animal Model of Epilepsy"
- 30 ***College of Engineering Research Day**. Lex Conv Ctr. Students should attend and present research.
- 31 **Dillon Huffman**, Ph.D. Student, UK BME, "A Real Time Hidden Markov Model for Sleep Modulation in Mice." **and**
Alex Chen, Ph.D. Student, UK BME, “TBA”
- April**
- 7 **Sarah Thomas**, M.S. Student, UK BME, “Closed Loop Peripheral Nerve Stimulation for Spinal Cord Injury Subjects” **and**
Siavash Mazdeyasna Ph.D. Candidate, UK BME, "A Photometric Stereo Technique for 3D Tissue Surface Geometry Reconstruction"
- 14 **Amir Al-Bakrei**, Ph.D. Candidate, UK BME, “Autonomic Variables and their correlation with Electrophysiological Markers in Epilepsy Patients Undergoing Phase II Presurgical Evaluation” **and**
Sridevi Thyagarajan, M.S. Student, UK BME, “Adrenergic Stimulation in Acute Hyperglycemia: Effects on Cellular and Tissue Level Murine Cardiac Electrophysiology
- 21 ***Eric Cremers**, President and CEO, Potlatch Corp., Spokane WA, “From Engineer to Executive: A Road Often Travelled”. Joint seminar with Mechanical Engineering in RMB 323 at 11:00 am.
- 28 **Ahmed Bahrani**, Ph.D. Student, UK BME, "Cerebral Blood Flow Measurement", **and**
Nick Kohrs, M.S. Student, UK BME, "Incorporation of Extracellular Matrix Molecules in Poly (β -amino esters) to Promote Cellular Adhesion."