DEPARTMENT OF BIOMEDICAL ENGINEERING
SPRING 2016 Seminar Series

Room 323 Robotics and Manufacturing Building
Fridays at 3:00 pm

February
5 Josh Lambert, Scientist I and Eric Roemmele, Graduate Research Assistant, UK Statistics Department, “Experimental Design, Basic Statistics and Sample Size Calculation”
12 Xiaopeng Ning, Ph.D., Assistant Professor, Industrial and Management Systems Engineering, West Virginia University, “Industrial Ergonomics: Current Research and Future Applications”

March
4 Cato Laurencin, M.D., Ph.D., University of Connecticut, College of Engineering Dean’s Distinguished Lectureship, “Regenerative Engineering: Innovative Technologies to Answer Grand Challenges”
11 Amir Najarzadeh, Ph.D. Candidate, UK BME, “Functionally Graded Polymeric Scaffolds for Tissue Engineering Applications” and Alex Chen, Ph.D. Student, UK BME, “Temperature and pH Dependent Degradation of AH6 3:1 and AH6 5:1 Poly (beta-amino ester) Polymers”
25 Mingjun Zhao, Ph.D. Candidate, UK BME, “Noninvasive Quantification of Postocclusive Reactive Hyperemia in Mouse Thigh and Tail by Near-infrared Diffuse Correlation Spectroscopy” and Ahmed Bahrani, Ph.D. Candidate, UK BME, “Cerebral Blood Flow Measurement in an Elderly Population”

April
1 Amir Al-Bakrei, Ph.D. Candidate, UK BME, “HFO Activity is Correlated with Vigilance Changes in the Epileptic Brain” and Asma’a Ajwad, Ph.D. Candidate, UK BME, “Sleep Regulation as Epilepsy Therapy: A Study of the Effects of Ambient Temperature on Mouse Sleep”
8 Chris Schildt, M.S., UK BME, “An Electroencephalographic (EEG) Interface to Assist in Motor Rehabilitation” and David Wasemiller, M.S., UK BME, “Analysing R-wave Amplitude Alternans in ECG Signals”
15 Greg Wehner, Ph.D. Candidate, UK BME, “Image Distortions in Spiral DENSE MRI or: How I Learned to Stop Worrying and Love the Fourier Transform” and Scott Thalman, Ph.D Candidate, UK BME, “Magnetization Transfer Weighted Imaging of Myocardial Fibrosis”
22 Dillon Huffman, Ph.D. Student, UK BME, “Applications of Somatosensory Stimulation for Non-invasive Brain State Modulation” and Drew Jones, M.S., UK BME, “Reference Point Indentation of Trabecular Bone”
29 Taylor McKenty, M.S., UK BME, “Mechanistic-based Exploration of Pressure-sensitive Tube Formation by Human Microvascular Endothelium”

*NOTE DIFFERENT DAY AND TIME*