PEER-REVIEWED JOURNAL PUBLICATIONS


OTHER PEER-REVIEWED PUBLICATIONS


Lockhart T.E., Soangra R., Chung C., Frames C., Fino P., Zhang Z., Development of Automated Gait Assessment Algorithm using Three Inertial Sensors Accepted to Biomedical Science Instrumentation 2014

Soangra R., Lockhart T.E., Agreement between the gait speed from smartphone and a stopwatch for five meter walk in laboratory and clinical environments. Accepted to Biomedical Science Instrumentation 2014


PRESENTATIONS

An Objective Assessment Device For Quantifying Ankle Plantarflexion Muscle Performance During Dialysis  **R. Soangra**, and T. E. Lockhart  Virginia Tech, Blacksburg, VA BMES 2010


Sit-to-stand evaluation in young and older adults using body worn sensors, **Rahul Soangra**, Thurmon Lockhart, BMES 2012 Saturday, October 27, 2012

Wavelet based automated postural event detection and activity classification with single IMU, **Rahul Soangra** and Thurmon E. Lockhart, 10th Annual Graduate Student Research Symposium, May 12, 2011 Virginia Tech- Wake Forest University

Effects of hemodialysis therapy on sit-to-walk characteristics in ESRD patients, **Rahul Soangra** and Thurmon E. Lockhart, 11th Annual Graduate Student Research Symposium, May 10, 2012 Virginia Tech- Wake Forest University

**Effects Of Electromyogram Signal Filtering On Muscle Activation Time**  
American Society of Biomechanics Omaha 2013, **Rahul Soangra**; Thurmon Lockhart; Jian Zhang

**Ankle Fatigue Classification Using Support Vector Machines**  
American Society of Biomechanics Omaha 2013 Jian Zhang; Thurmon Lockhart; **Rahul Soangra**

NSF iCORPS (Technical Presentation)  
[https://www.youtube.com/watch?v=ZKahkX08CCI](https://www.youtube.com/watch?v=ZKahkX08CCI)

NSF iCORPS (Lesson Learned)  
[https://www.youtube.com/watch?v=bioKcbr15zU](https://www.youtube.com/watch?v=bioKcbr15zU)


**Manuscript Submitted (Under Peer Review)**

Estimating Fall Risk in Obese Community dwelling elderly through non-linear Postural measures. Submitted to Journal of Biomechanics