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Program in Chronological Order

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Monday, November 6, 2017

MLunch_Break: 12:00-13:45

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Tuesday, November 7, 2017

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Wednesday, November 8, 2017

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Proprioceptive Improvements of Lower-Limb Amputees under Training with a Vibrotactile Device - A Pilot Study	229-232
Maldonado-Contreras, Jairo* (<i>California State University Long Beach</i>); Marayong, Panadda (<i>California State University, Long Beach</i>); Ruhe, Brian (<i>VA Long Beach Healthcare System/California State University Domin</i>); Khoo, I-Hung (<i>California State University, Long Beach</i>); Wu, Will (<i>California State University, Long Beach</i>); Rivera, Rae Jillian (<i>California State University Long Beach</i>)	

10:45-11:00	WAT3.6
A Concept of Medical Expertise Pooling by Tele Sensing and Manipulation: Emergency Medicine Case	233-236
Sikander, Sakura (<i>University of Central Florida</i>); Biswas, Pradipta (<i>University of Central Florida</i>); Kulkarni, Pankaj Pramod (<i>University of Central Florida</i>); Mansy, Hansen A. (<i>University of Central Florida</i>); Rahnavard, Nazanin (<i>University of central Florida</i>); Song, Sang-Eun* (<i>University of Central Florida</i>)	

WAT4: 09:30-11:00	Room F1-F2
Technical Session Track 4 (Oral Session)	

09:30-09:45	WAT4.1
EEG-Based Biomarkers on Working Memory Tasks for Early Diagnosis of Alzheimer's Disease and Mild Cognitive Impairment	237-240
Quispe Mamani, Godofredo* (<i>Federal University of ABC (UFABC)</i>); Fraga, Francisco J. (<i>Universidade Federal do ABC (UFABC)</i>); Tavares, Guilherme (<i>Federal University of ABC (UFABC)</i>); Johns, Erin (<i>Concordia University</i>); Phillips, Natalie D. (<i>Concordia University</i>)	

09:45-10:00	WAT4.2
Multiplexed Detection of Infectious Diseases with Microfluidic Loop-Mediated Isothermal Amplification and a Smartphone	241-244
Sun, Fu* (<i>University of Illinois at Urbana-Champaign</i>); Chen, Weili (<i>University of Illinois at Urbana-Champaign</i>); Yu, Hojeong (<i>University of Illinois at Urbana-Champaign</i>); Ornob, Akid (<i>University of Illinois at Urbana-Champaign</i>); Brisbin, Ryan (<i>University of Washington Tacoma</i>); Ganguli, Anurup (<i>University of Illinois at Urbana-Champaign</i>); Vemuri, Vinay (<i>University of Illinois at Urbana-Champaign</i>); Strzebonski, Piotr (<i>University of Illinois at Urbana-Champaign</i>); Cui, Guangzhe (<i>University of Illinois at Urbana-Champaign</i>); Allen, Karen (<i>University of Illinois at Urbana-Champaign</i>); Desai, Smit (<i>University of Illinois at Urbana-Champaign</i>); Lin, Weiran (<i>University of Illinois at Urbana-Champaign</i>); Nash, David (<i>None</i>); Hirschberg, David (<i>University of Washington Tacoma</i>); Brooks, Ian (<i>University of Illinois at Urbana-Champaign</i>); Bashir, Rashid (<i>Univ of Illinois at Urbana-Champaign</i>); Cunningham, Brian (<i>University of Illinois</i>)	

10:00-10:15	WAT4.3
Multicolor Detection of Fluorescent Droplets on a Cell Phone using Time Domain Encoded Optofluidics	245-248
Yelleswarapu, Venkata* (<i>University of Pennsylvania, Issadore Lab</i>); Issadore, David (<i>Massachusetts General Hospital</i>)	

10:15-10:30	WAT4.4
Highly Sensitive Fluorescence-Based Lateral Flow Platform for Point-of-Care Detection of Biomarkers in Plasma	249-252
Zhu, Meilin (<i>Arizona State University</i>); Obahiagbon, Uwadiae (<i>Arizona State University</i>); Anderson, Karen S. (<i>Arizona State University</i>); Blain Christen, Jennifer* (<i>Arizona State University</i>)	

10:30-10:45	WAT4.5
Design and Demonstration of the Transmission, Reflection, and Intensity (TRI)-Analyzer Instrument for Portable Spectroscopy	253-256
Long, Kenneth* (<i>University of Illinois at Urbana-Champaign</i>); Woodburn, Elizabeth (<i>University of Illinois at Urbana-Champaign</i>); Cunningham, Brian (<i>University of Illinois</i>)	

10:45-11:00	WAT4.6
A Safe and Interoperable Distributed Alarm Notification System for PoC Medical Devices using IEEE 11073 SDC	257-261
Kasparick, Martin* (<i>University of Rostock</i>); Golatowski, Frank (<i>University of Rostock</i>); Timmermann, Dirk (<i>University of Rostock</i>)	