Paper #	BSN Rapid Fire Sessions	
	Authors	Paper Title
	Rapid Fire session 1	
1	Jiang, Haotian; Cai, Yi; Zeng, Xiao; Huang, Ming-Chun	Is Background Really Matter? Worker Activity Recognition in Unconstrained Construction Environment
28	Wattal, Shashank; Spear, Scott; Imtiaz, Masudul Haider; Sazonov, Edward	A Polypyrrole-Coated Textile Electrode and Connector for Wearable ECG Monitoring
73	Teplitzky, Benjamin; McRoberts, Michael	Fully-Automated Ventricular Ectopic Beat Classification for Use with Mobile Cardiac Telemetry
55	Cai, Yi; Jiang, Haotian; Chen, Diliang; Huang, Ming-Chun	Online Learning Classifier Based Behavioral Biometric Authentication
36	Guo, Yao; Zhang, Yuan; Mursalin, Md; Xu, Wenyao; Lo, Benny	Automated Epileptic Seizure Detection by Analyzing Wearable EEG Signals Using Extended Correlation-Based Feature Selection
117	Argent, Rob; Bevilacqua, Antonio; DALY, AILISH; Kechadi, Tahar; Caulfield, Brian	An Interactive Exercise Biofeedback Android Application Utilising a Single Inertial Measurement Unit to Support Joint Replacement Rehabilitation
118	Wang, Tianyi; Jeong, Hieyong; OHNO, Yuko	Measurement of Heart Rate through Handgrip
121	Wang, Huihui	A Case Study of Networks for a Health Self-Monitoring System
122	Cai, Ruiying; Guo, Ao; Ma, Jianhua; Huang, Runhe	Correlational Analyses between Personality Traits and Personal Emotional and Behavioral States Using Body Sensors
123	Mokhlespour Esfahani, Mohammad Iman; Nussbaum, Maury A.; Tsao, Liuxing	Using　Smart Socks　to Detect Normal versus Abnormal Gait
124	Mokhlespour Esfahani, Mohammad Iman; Nussbaum, Maury A.	Identifying Activities of Daily Living (ADLs) Using　Smart Socks
125	Huang, Yangjian; Song, Xinyu; Tan, Tian; Shull, Peter B.	Motion Tracking Based on Embedded Visual-Inertial Coupled SLAM for Upper-Limb Movement Training
126	Brandt, Rachel; Sevil, Mert; Cinar, Ali	A Real-Time Wrist Worn Actigraphy System for Sleep Monitoring
127	Derungs, Adrian; Amft, Oliver; Schuster-Amft, Corina	A Metric for Upper Extremity Functional Range of Motion Analysis in Long-Term Stroke Recovery Using Wearable Motion Sensors and Posture Cubics
128	Dharmavaram, Poornima; Kai-Ling, Kong; Anzman-Frasca, Stephanie; Epstein, Leonard; Titus, Albert	Infant Feeding Reinforcement System for Obesity Prediction
129	Sevil, Mert; Rashid, Mudassir; Maloney, Zacharie; Hajizadeh, Iman; Frantz, Nicole; Lazaro, Caterina; Feng, Jianyuan; Samadi, Sediqeh; Brandt, Rachel; Cinar, Ali	Stress and Exercise Detection Using Noninvasive Wearable Sensors

130	Furberg, Robert	An Approach to Cleaning, Filtering, and Processing Complex Biometric Data: Exploratory Analysis for Assessing Psychophysiological Measures in Police Officers
	Rapid Fire session 2	
131	Gislason, Magnus Kjartan; Gargiulo, Paolo; Kristjansson, Eythor	Novel Sensor for Rehabilitation of Chronic Neck Pain Patients
132	Heidari Kapourchali, Masoumeh; Banerjee, Bonny	Tuning Deep Brain Stimulation Parameters: An Adaptive and Individualized Approach
133	Nath, Nipun; Behzadan, Amir	Smart Occupational Health: A Machine Learning Approach to Ergonomic Hazard Identification Using Body-Mounted Sensors
134	Chaspari, Theodora; Mortazavi, Bobak; Prioleau, Temiloluwa; Sabharwal, Ashutosh; Gutierrez-Osuna, Ricardo	Sparse Representation Models of Continuous Glucose Monitoring Time-Series
135	Youssef, Ali; Colon, Jeroen; De Bruyne, Guido; Aerts, Jean-Marie	Monitoring Thermal Responses of Cyclists Using Helmets Equipped with Wearable Technology
136	Greene, Barry R.; Caulfield, Brian	Objective Assessment of Functional Mobility Using the TUG Test
137	Heidari Kapourchali, Masoumeh; Banerjee, Bonny	A Tensor Based Missing Samples Recovery for Human Movement Acquisition
138	Gujral, Aditya; Chaspari, Theodora; Timmons, Adela; Sohyun C., Han; Margolin, Gayla	Real-life detection of interpersonal conflict in couples through the use of wearable and mobile technology
139	Shryack, Kristen; Muscarella, Farren; Logan, Sam; Winfree, Kyle	Measurement of Modified Toy Ride-On Car Use: the GBG Data Logger
140	Johnston, William; O'Reilly, Martin; Greene, Barry R.; Caulfield, Brian	Objective Assessment of Dynamic Balance Control Using the Quantified Y Balance Test
141	Huo, Zepeng; Jafari, Roozbeh; Mortazavi, Bobak	Utilizing Context Information for Ubiquitous Computation
142	Oliveira, Sergio Ricardo de Jesus; Soares, Alcimar; Thomaz, Ricardo de Lima	A Priority-Based Strategy for TDMA Protocol
143	Dehghanzadeh, Parisa; Roman, Alex; Majerus, Steve; Mandal, Soumyajit	Towards a Wearable Ultrasonic Device for Real-Time and Non-Invasive Estimation of Bladder Volume
144	Holland, James; Sargolzaei, Saman; Horton, Melba; Sargolzaei, Arman	Smart Sensory Skin (S3) Technology for Comfort-Enhanced Health Monitoring Technology
145	Barrett, Caitlin; Winfree, Kyle	WearWare: A Data Analysis Toolkit for Wearable Devices
147	Noda, Akihito; Shinoda, Hiroyuki	I2C-Enabled Batteryless Sensors on Double-Layered Conductive Fabric
148	Vehkaoja, Antti; Verho, Jarmo; Peltokangas, Mikko; Rantaniva, Teppo; Jeyhani, Vala; Råglund, Jari	Wearable Wellness Motivator for Supporting Permanent Life-Style Change
149	McKinney, Zach; Singh, Rahul; Wyatt, Marilynn P; Grundfest, Warren S.	Wearable, Real-Time Gait Analysis and Tactile Biofeedback System for Biomechanical Gait Optimization and Retraining
150	Sugimoto, Chika	Body Sensor System for Health Support Based on Machine Learning

	Monday	
	Rapid Fire Session 1: 16:10 - 18:15	
	Tuesday	
	Rapid Fire Session 2: 17:40 - 19:30	