

BSN 2012 Accepted Paper List

4	Adaptation of Models for Food Intake Sound Recognition Using Maximum a Posteriori Estimation Algorithm
5	Evaluation of bioimpedance spectroscopy for the monitoring of the fluid status in an animal model
6	Development of a novel wearable sweat pH-meter based on smart textiles
8	Daily Mood Assessment based on Mobile Phone Sensing
13	A data-driven approach to kinematic analysis in running using wearable technology
19	Dual-Mode Additive Noise Rejection in Wearable Photoplethysmography
20	Modeling Organizational Dynamics with Body Sensor Network
21	Near-Realistic Motion Video Games with Enforced Activity
22	Automated Wolf Motor Function Test (WMFT) for Upper Extremities Rehabilitation
23	Assessment of Human Gait Speed and Energy Expenditure using a Single Triaxial Accelerometer
25	Enhanced Classification of Abnormal Gait Using BSN and Depth
28	Embedded Classification of the Perceived Fatigue State of Runners - Towards a Body Sensor Network for Assessing the Fatigue State during Running
29	A Novel Technique Enabling the Realisation of 60GHz Body Area Networks
31	Evaluation of Inertial Sensor Fusion Algorithms in Grasping Tasks Using Real Input Data
37	A new technique to implement ultra-low frequency analog filters for electrophysiological signal acquisitions
39	Health-Dev: Model Based Development of Pervasive Health Monitoring Systems
41	Dimensionality Reduction for Anomaly Detection in Electrocardiography: A Manifold Approach
47	B ² IRS: a Technique to Reduce BAN-BAN Interferences in Wireless Sensor Networks
49	Piezoelectric Rotational Energy Harvester For Body Sensors Using An Oscillating Mass
50	Motion Reconstruction From BSN Using PLSR
51	Transcutaneous Energy Transfer System incorporating a datalink for a wearable autonomous implant
54	Extreme physiological state: is there a case for tissue lactate?
55	Design of an Assistive Communication Glove using Combined Sensory Channels
56	Latency-Energy Optimized MAC Protocol For Body Sensor Networks
57	An Intelligent Food-intake Monitoring System Using Wearable Sensors
60	An Empirical Study of Urban 2.4 GHz RF Noise from the Perspective of a Body Sensor Network
63	A Novel and Miniaturized 433/868MHz Multi-Band Wireless Sensor Platform for Body Sensor Network Applications
64	Mobile Gait Analysis using Orient specks
67	Brain-computer interface signal processing algorithms: A Computational Cost vs. Accuracy Analysis for Wearable Computers
69	Remote Activity Classification of Hens Using Wireless Body Mounted Sensors
71	Testing of Wearable Monitors in a Real-World Hospital Environment. What Lessons Can Be Learnt?
75	Co-Recognition of Human Activity and Sensor Location via Compressed Sensing in Wearable Body Sensor Networks
78	TRANSITION DETECTION AND ACTIVITY CLASSIFICATION FROM WEARABLE SENSORS USING SINGULAR SPECTRUM ANALYSIS
83	Physiological Features from an On-Body Radio Propagation Channel