

LSC 2017 Poster Presentation Program

#	Titles	Authors
December 13 -- Wednesday -- Poster Session I		
1	Hand Gestures Recognition using Electromyography for Bilateral Upper Limb Rehabilitation	Lucas F. Aguiar, Antônio P. L. Bó
17	Basic Study of 3-D Non-Invasive Temperature Measurement of Ultrasound Guided HIFU System	Eitaro Miura, Yuya Iseki, Yasuhiro Shindo, Kazuo Kato, Akira Takeuchi
19	A Study of Controlling Ultrasound Irradiation Area and Focal Length by Changing HIFU Transducer	Yasuhiro Ichishima, Yasuhiro Shindo, Kazuo Kato, Akira Takeuchi
20	Preliminary Study investigating Influence of Anti-Depressant Medication on Diurnal Physical Activity Patterns	Kumiko Kokubo, Tsunehiko Tanaka, Kazunori Iwasa, Kosuke Sawa, Hiroshi Kadotani, Masashi Komori
22	Visualizing abnormalities in chest radiographs through salient network activations in Deep Learning	R Sivaramakrishnan, Sameer K. Antani, Zhiyun Xue, Sema Candemir, Stefan Jaeger, George R. Thoma
23	An Electrocardiogram Device with A Stretchable Skin Patch for Physiological Measurement	Won Ick Jang, Bong Kuk Lee, Jin Hwa Ryu, In-Bok Baek, Sangwon Byun, Han Young Yu, Seunghwan Kim
27	Study of Cognitive Flexibility at Different Stress Levels and with background music	Humaira Nisar, Sia Jia Hong
28	A Method for Preserving Privacy During Audio Recordings by Filtering Speech	Daniyal Liaqat, Ebrahim Nemati, Mahbubur Rahman, Jilong Kuang
36	Generic Sensor Framework enabling Personalized Healthcare	Sven Beckmann, Stefanie Lahmer, Moritz Markgraf, Oliver Meindl, Julia Rauscher, Christian Regal, Henner Gimpel, Bernhard Bauer
37	Development of pH Electrode for Gastroesophageal Reflux Disease Diagnosis	Eung Bo Kim, Young Hwan Kang, Sung Hwan Cho, Sung Il Kim, Yeun-Ho Joung
46	Wearable Sensor Based System for Estimating Knee Adduction Moment during Walking	Wei Liu, Amos Smith, Kevin McQuade, Marcus Hollis
47	Improved Cell Segmentation by Solving the Specification Uncertainty of the Second bi-Gaussian Component in Intensity Probability Distribution	Xiaoying Wang, Eva Cheng, Ian S. Burnett
50	Designing a Secure Architecture for m-Health Applications	Muhammad J. Alibasa, Marlon R. Santos, Nick Glozier, Samuel B. Harvey, Rafael A. Calvo
53	Timing of Changes in the Entropy of the Electroretinogram with Glaucoma	Marc Sarossy, Behzad Aliahmad, Dinesh K. Kumar
55	Gain Readjustment Function to Reduce Measurement Errors in Long-Term HRV Monitoring with a Wearable Telemeter	Kento Shoji, Toshitaka Yamakawa, Koichi Fujiwara, Manabu Kano, Miho Miyajima, Tadashi Sakata, Yuichi Ueda
61	EEG Analysis of Effective Connectivity Based on Graph Theory During a Multimedia Learning Task	Meei Tyng Chai, Mohamad Naufal Mohamad Saad, Nidal Kamel, Aamir Saeed Malik
62	Fast and wide-field photoacoustic microscopy using a waterproofing MEMS scanner and linear stages	Jin Young Kim, Jin Woo Baik, Seungwan Jeon, Jongbeom Kim, Chulhong Kim
63	Gait Authentication using 3-axis accelerometer : Regardless of the direction of gait and position of the sensor	Seung Jae Lee, Jong Sil Lee, Jin Sick Park, Sun Il Kim, In Young Kim
December 14 -- Thursday -- Poster Session II		
64	Personal recognition using geometric features in the phase space of electrocardiogram	Do Hyun Kim, Jin Sick Park, In Young Kim, Sun Il Kim, Jong Shill Lee
71	Estimation of Non-contact Smartphone Video-based Vital Sign Monitoring using Filtering and Standard Color Conversion Techniques	Abdul Qayyum, Aamir Saeed Malik, Aliyu Nuhu Shuaibu, Nadeem Nasir
75	Virtual Reality Experience as a Stress Recovery Solution in Workplace	Teemu Ahmaniemi, Harri Lindholm, Kiti Muller, Tapio Taipalus
81	Automatic Segmentation and Classification of Cardiac Cycles Using Deep Learning and a Wireless Electronic Stethoscope	Houman Ghaemmaghami, Nayyar Hussain, Khoa Tran, Aiden Carey, Shamile Hussain, Farhan Syed, Anthony J. Sinskey, Kevin O'hashi, John Sperling
89	Automatic Selection Method of Optimal Lead for R-R Interval Measurement from Multiple Leads Electrocardiogram	Shun Sakai, Kento Shoji, Toshitaka Yamakawa, Tadashi Sakata, Yuichi Ueda
90	Comparative evaluation of senior portal developed through senior UI/UX guideline	Woo Seop Kim, Young Seok Shin, I Su Shin, Ku Ho Kim, Duk Young Jung
97	An EMG-based Prosthetic Hand Training System Using a Class Partial Kullback-Leibler Information	Tai Tomizawa, Taro Shibanoki, Takaaki Chin, Toshio Tsuji
104	A Handheld Spectral Domain OCT with Dermatoscope	Yuan-Chin Lee, Hung-Chih Chiang, Chun-Chieh Huang, Shuen-Chen Chen, Chy-Lin Wang, Chih-Ming Cheng, Chi-Shen Chang, Cheng-Yi Chang, Ting-Wei Chang, Chir-Weei Chang
108	Image Processing Approach to Baseline Drift Removal from Electrocardiogram Signals	Miljan B. Petrovic, Branislav D. Petrovic
109	Fabrication of Dual Nanohole-Nanopore Biosensors	Muhammad Usman Raza, Liang-Chieh Ma, Muhammad Hammad Ijaz, Sai Santosh Sasank Peri, George Alexandrakis, Samir M. Iqbal
110	Characteristics of Event-related Potentials and Hemodynamics Evoked by Attentional Behavior	Kanako Mikami, Kunihiro Oura
114	Using deep learning to derive tidal volume from a photoplethysmograph	Joseph Prinable, Peter W. Jones, Cindy Thamrin, Alistair McEwan
119	Barriers in acceptance of Ambient Assisted Living Technologies among Older Australians	Chetna Maan, Upul Gunawardana
128	Energy autonomy analysis of single-channel EEG recording systems	Raul Onet, Ana Rusu
132	CRISP-TDM0 for Standardized Knowledge Discovery from Physiological Data Streams: Retinopathy of Prematurity and Blood Oxygen	K.E.Shiron Fernando, Carolyn McGregor, Andrew G. James
134	The Relation between Sleep Quality and Diurnal Cognition	Teruaki Nochino, Yuko Ohno, Shima Okada
137	Using commercially available inertial sensors on the wrist to detect bowling speeds and counts for fast bowlers playing cricket	Najeebullah Soomro, Jianhua Tao, Yogesh Kumaravel, Tausif Sawdagar, Hrushikesh Bhosle, Shyam Pathak, Farhan Khan
138	Using Gold Nanoparticles to Design Optical Sensors for Continuous Neurotransmitter Measurements: Preliminary Results.	Shimwe Dominique Niyonambaza, Élodie Boisselier, Amine Miled, Mounir Boukadoum