

12th IBEC Symposium Bioengineering

Active Ageing

ICT FOR HEALTH - Posters with flash presentation

Poster Name	Title
1 Manuel Lozano	Analysis of Tracheal and Pulmonary Continuous Adventitious Respiratory Sounds in Asthma
2 Martina Maier	Adaptive Conjunctive Cognitive Training (ACCT) in Virtual Reality for Stroke Patients Modulates Cognitive Abilities and Depression: A Randomized Controlled Trial

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Poster Name	Title
3 Dolores Blanco-Almazán	Temporal analysis of Bioimpedance and Respiratory Volume Signals during Inspiratory Loading
4 Mireia Calvo	Class Imbalance Impact on the Prediction of Complications during Home Hospitalization: A Comparative Study
5 Yolanda Castillo Escario	Onset Detection to Study Muscle Activity in Reaching and Grasping Movements in Rats
6 Luis Carlos Estrada Petrocelli	Neural offset time detection in surface diaphragm electromyography
7 Adrian Fernández	Robust Postural Stabilization with a Biomimetic Hierarchical Control Architecture
8 Ignasi Ferrer Lluís	Automatic Event Detector from Smartphone's Accelerometry and Pulse Oximetry: Pilot mHealth Study for Home Monitoring of Obstructive Sleep Apnea
9 Luciana Fontes de Oliveira	Design of experiments to optimization of sample collection and volatile extraction compounds on off-line breath analysis
10 Celia Mallafré	Detection of Peppermint oil ingested by breath analysis with an E-Nose

11	Jasna Nuhić	Analysis of multichannel respiratory sounds during incremental loaded breathing in healthy subjects and pulmonary disease patients
12	Daniel Romero	Non-linear Analysis of Heart Rate Variability to Quantify Hypoxia-Induced Effects in a Rat Model
13	Júlia Sala Jarque	Neuromuscular activity induces paracrine signaling and triggers axonal regeneration after injury
14	Paul Soto Rodriguez	Photometric-based sensor for PKU and control unit miniaturization for point-of-care diagnostics (POC)
15	Rafael Teixeira Freire	Development of Calibration Methods and Software for Major Gases Quantification in Flatus by GC-TCD
16	Vasiliki Vouloutsis	Study of social approaches for Human-Robot Interaction