

Medical Devices, Measurements, Instrumentation, Signal Processing (III)

Friday, 20th November, 11:30-13:30

Room Eminescu (Room A), Astoria Hotel

Chairpersons: *Alexandru Morega, Călin Corciovă*

1.	Channels Selection for Motor Imagery Paradigm - an Itakura Distance-Based Method <i>Oana-Diana Eva, Anca Mihaela Lazar, Paper ID: 222</i>
2.	Supervised Learning Used in Automatic EEG Graphoelements Classification <i>Hana Schaabova, Vladimir Krajca, Vaclava Sedlmajerova, Olena Bukhtaieva, Svojmil Petranek, Paper ID: 223</i>
3.	Spectral Perturbations Reflect the Depth of Cognitive Processing for Brain-Computer Interface Systems <i>Irina-Emilia Nicolae, Georgeta Mihaela Ungureanu, Rodica Strungaru, Laura Acqualagna, Benjamin Blankertz, Paper ID: 227</i>
4.	Utilizing Convolution Neural Networks for the Acoustic Detection of Inhaler Actuations <i>Dimitrios Kikidis, Konstantinos Votis, Dimitrios Tzovaras, Paper ID: 232</i>
5.	Influence of Motion Speed in Static Magnetic Fields of MRI Scanners on the Density of Induced Electric Currents in Bodies of MRI Operators <i>S. I. Farrag, E A Kamel, Paper ID: 247</i>
6.	A New Approach of Shielding Technique Due to a Leakage of Radiation Exposure Outside a 10 MEV Linac Room an a Facility Designed for 6 MEV <i>S. I. Farrag, Paper ID: 259</i>
7.	ECG Generation Methods for Testing and Maintenance of Cardiac Monitors <i>Radu-Ion Ciucu, George-Călin Serîţan, Daniel-Andrei Dragomir, Costin Cepișcă, Felix-Constantin Adochiei, Paper ID: 272</i>
8.	A Semi-Autonomous Small Scale Paramotor Used for Medical Emergency Situations <i>Răzvan-Viorel Mihai, Cristian Vidan, Radu-Călin Pahonie, Pericle Matei, Adrian-Mihail Stoica, Ioana Adochiei, Paper ID: 291</i>

Poster Session – Friday, 20th November, 8:00-9:30
Room Eminescu (Room A), Astoria Hotel

9.	Deep Brain Stimulation Efficiency and Parkinson's disease Stage Prediction using Markov Models <i>Oana Geman, Iuliana Chiuchisan, Paper ID: 187</i>
10.	Health Care Self-Monitoring System for Patients with Visual Impairment using a Network of Sensors <i>Oana Geman, Iuliana Chiuchisan, Paper ID: 188</i>
11.	Scenario of Short Anesthesia Administration Prepared for Human Patient Simulator <i>Tereza Antořová, Martin Rořánek, Paper ID: 200</i>
12.	On The Accuracy of Complex Permittivity Model of Glucose/Water Solutions for Non-invasive Microwave Blood Glucose Sensing <i>Volkan Turgul, Izzet Kale, Paper ID: 203</i>
13.	Human Motion Tracking & Evaluation using Kinect V2 Sensor <i>Hesham Alabbasi, Alex Grafinaru, Florica Moldoveanu, Alin Moldoveanu, Paper ID: 219</i>
14.	Feasibility Study for Beat-to-beat Heart Rate detection by Smartphone's Accelerometers <i>Federica Landreani, Alba Martin-Yebra, Claudia Casellato, Esteban Pavan, Carlo Frigo, Pierre-François Migeotte, Enrico G Caiani, Paper ID: 251</i>
15.	The Use of Conductive Wires for Smart and Protective Textiles <i>Muhammet Uzun, Erhan Sancak, Ismail Usta, Paper ID: 252</i>