

## Medical Devices, Measurements, Instrumentation, Signal Processing (IV)

Friday, 20<sup>th</sup> November, 15:00-17:00

Room Caragiale (Room D), Traian Hotel

Chairpersons: *Vladimir Rogalewicz, Loredana Stanciu*

1.	<b>Unsupervised Detection and Classification of Motor Unit Action Potentials in Intramuscular Electromyography Signals</b> <i>Hooman Sedghamiz, Daniele Santonocito, Paper ID: 27</i>
2.	<b>How to Design and Additive Manufacture Individualized Surgical Guides for Hand Osteotomy</b> <i>Diana Popescu, Dan Laptoiu, Anton Hadar, Catalin Ilie, Cristian Parvu, Paper ID: 92</i>
3.	<b>Control Systems of Rehabilitation Engineering Equipment – A Review</b> <i>Alexandru Ianosi-Andreeva-Dimitrova, Dan Silviu Mândru, Paper ID: 130</i>
4.	<b>Enhanced Three-Dimensional Visualization of EEG Signals</b> <i>Marius Gavrilesco, Florina Ungureanu, Paper ID: 144</i>

**Poster Session** – Friday, 20<sup>th</sup> November, 8:00-9:30

Room Eminescu (Room A), Astoria Hotel

5.	<b>Applications of Compressed Sensing: Compression and Encryption</b> <i>Monica Fira, Paper ID: 263</i>
6.	<b>Study of Continuous Wavelet Transform used in ECG Pre-diagnostic</b> <i>Adriana Maria Ciupe, Radu Vasile Ciupa, Alexandrina Ioana Roman, Nicolae Marius Roman, Paper ID: 269</i>
7.	<b>Techniques and Optometric Tools for Visual Training in Strabismus for Preschool Children</b> <i>Daniela Mariana Barbu, Ileana Maria Plesa, Paper ID: 293</i>
8.	<b>Optometric Testing for Binocular Vision in Preschool Children</b> <i>Daniela Mariana Barbu, Andreea Loredana Vitelariu, Paper ID: 294</i>

9.	<p><b>Assistive Inertial 3D Positioning MEMS System</b></p> <p><i>Ioana Edu (Adochiei), Teodor Lucian Grigorie, Felix Adochiei, Petre Negrea, Vidan Cristian, Nicolae Jula, Paper ID: 297</i></p>
10.	<p><b>Experimental Validation of a Low-Cost Integrated INS/GPS Navigator for Assistive Positioning</b></p> <p><i>Teodor Lucian Grigorie, Sandu Dragos George, Petre Negrea, Felix Adochiei, Ioana Edu (Adochiei), Paper ID: 298</i></p>
11.	<p><b>Symbolic to Genetic Tuning of PID Controllers</b></p> <p><i>Cătălin Nicolae Calistru, Daniel Timofte, Paper ID: 304</i></p>