

## Biomechanics

Saturday, 21<sup>st</sup> November, 9:00-11:00

Room Eminescu (Room A), Astoria Hotel

Chairpersons: *Raymond Lee, Diana Cotoros, Florin Munteanu*

1.	<b>An Application of the Free Moment for the Diabetic Patients' Classification - A Pilot Study</b> <i>Petcu Daniel, Paper ID: 28</i>
2.	<b>Orthotic Solution Influencing the Rotational Friction in Walking - an Experimental Model</b> <i>Petcu Daniel, Paper ID: 29</i>
3.	<b>Flat Foot Composite Dynamic Clamp as a 24 Hours Correction Device for Children</b> <i>Dimitriu Bogdan, Lungu Elena, Prisecariu Bogdan, Paper ID: 57</i>
4.	<b>The Influence of Fluid Properties on Flow Dynamics in Microchannels</b> <i>Iulia - Rodica Damian, Nicoleta - Octavia Tanase, Catalin Marculescu, Corneliu Balan, Paper ID: 78</i>
5.	<b>Correlative Assessment of Patient's Progress Subjected to a Hip Implant Procedure. Case Study</b> <i>Cotoros Diana, Repanovici Angela, Baritz Mihaela, Stanciu Anca, Paper ID: 134</i>
6.	<b>Establishing a baseline for gait pattern that can be linked to lumbar disk herniation and recurrent lumbar disk herniation</b> <i>Sinziana Anca Moldoveanu, F. Munteanu, Anca Mihaela Lazar, C. Tarasi, Dana Turliuc, Paper ID: 150</i>
7.	<b>Preliminary Qualitative Analysis of Mechanical Impulse Propagation Dynamics in Human Striated Muscle</b> <i>Andra Băltoiu, Alexandru Nistorescu, Pierre de Hillerin, Mirel Vasiliu, Vlad Văleanu, Tudor Ion, Călin Marin, Paper ID: 168</i>

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

Room Eminescu (A), Astoria Hotel

8.	<b>The Keyboard Remains the Least Ergonomically Designed Computer Device</b> <i>Octavian Ciobanu, Cristian Gavat, Radu Cozmei, Paper ID: 70</i>
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9.	<b>Human Pilot's Dynamic Response Characteristics</b> <i>Constantin Rotaru, Simona Roateși, Raluca Ioana Edu, Ionică Cîrciu, Paper ID: 102</i>
10.	<b>Evaluation of a Novel Wheelchair Sitting Concept on Spinal-Pelvic Angles</b> <i>Chun-Ting Li, Yen-Ting Tseng, Ren-Yuan Shih, Kuen-Hornng Tsai, Paper ID: 113</i>
11.	<b>Modeling and Simulation of Gait by Anybody Software before and after Hip Arthroplasty</b> <i>Cotoros Diana, Repanovici Angela, Baritz Mihaela, Stanciu Anca, Paper ID: 125</i>
12.	<b>High Heel Shoes Effect Analysis on Comfort and Bipodal Balance by Evaluating Thermal Gradient at the Plantar Surface Level</b> <i>Mihaela Baritz, Alexandru Mosoi, Diana Cotoros, Paper ID: 213</i>
13.	<b>Human Body Biomechanics under Incidence of Induced Positive/Negative Emotions</b> <i>Mihaela Baritz, Alexandru Mosoi, Diana Cotoros, Paper ID: 215</i>
14.	<b>Biomechanics of Flexible Wing Drones Usable for Emergency Medical Transport Operations</b> <i>Radu-Călin Pahonie , Răzvan-Viorel Mihai, Cristian Barbu, Paper ID: 299</i>