

PROGRAMME

8⁰⁰ – 10⁰⁰ Dedicated session: *Biomechanics ('Anatomy' Hall - Room B)*

Chairs: **Carlo Frigo** – Politecnico di Milano, Italy
Mihaela Baritz – University Transilvania Brasov, Romania
Sorin Kostrakievici – POLITEHNICA University of Bucharest, Romania

- 1. Ground Reaction Recordings in Handball Throw Correlated with Body Compensatory Movements**, *Anton Prisacariu Bogdan - Id:43*
- 2. The Influence of the Rocker Sole Profile's Orientation on the Sagittal Plane Ankle Range of Motion**, *Daniel Petcu, Doina Bucur, Hüseyin Ata Karavana, Mircea-Iulian Nistor, Mirela Pantazi, Mihai Georgesc - Id:74*
- 3. Design and Realization of a Personalized Acetabular Cage for a Patient in Need of Acetabular Revision**, *Serban Costin, Constantin Anton Micu, Stefan Cristea - Id:91*
- 4. Thermographic Analysis of Hand Structure when Subjected to Controlled Effort**, *Mihaela Baritz, Diana Cotoros - Id:107*
- 5. Study of Pupil Reflex Under Chromatic Light Radiation Incidence**, *Mihaela Baritz, Diana Cotoros, Cristina Singer - Id:108*
- 6. Walking Efficiency Assessment Through the Analysis of Mechanical Energy and Energy Recovery Index**, *Firooz Salami, Mariangela Dipaola, Carlo Albino Frigo - Id:204*
- 7. Influence of Shoes and Cover Characteristics on the Prosthetic Feet Energy Storage and Release Mechanism**, *Mihaela Buzatu, Carlo Frigo, Esteban Pavan, Doina Bucur, Octavian Dontu - Id:246*

POSTERS

- 8. Nitinol Artificial Anterior Cruciate Ligament: A Finite Element Study**, *Lucian Bogdan, Renato Natal Jorge, Marcos Parente, Nicolae Faur, Jenel Marian Patrascu - PID:22*
- 9. Biomechanical Study of Myringotomy Through Simple Incision and Drainage Tube Insertion**, *Karla-Noemy Berdich, Fernanda Gentil, Marco Parente, Renato Natal-Jorge, Nicolae Faur - PID:60*
- 10. Workspace Measurement of the Surgeon's Upper Limb During an Arthroscopy and three Laparoscopy Operations Using Inertial Sensor Systems**, *Ali Soroush, Farzam Farahmand - PID:168*
- 11. A Proposal for Construction Surface Pressure Map Distribution with Tribological Considerations at Stump-Liner Interface in Prosthetic Application**, *Mariana Rotariu, Marius Turnea, Dragos Arotaritei, Robert Filep, Mihai Ilea - PID:169*

- 12. Discussions on the Procedure and Results of an Evaluation Health Program Regarding Spinal Deformity in School-Aged Children, Alis Gabriela Garaiman, Corina Mihaela Gruescu, Erwin Christian Lovasz, Jenel Marian Patrascu, Bogdan Corneliu Andor, Mihaela Amarandei - PId:186**

- 13. Preliminary Experimental Testing on Fatigue Resistance for Silicone Rubbers Proposed within Lumbar Disc Prosthesis, Iuliana Rotaru, Carmen Bujoreanu, Dumitru Olaru, Adrian Bele, Maria Cazacu - PId:231**