

PROGRAMME

8⁰⁰ – 10³⁰ Dedicated session: *Modeling, Simulation ('Anatomy' small Hall - Room C)*

Chairs: **Alexandru Morega** – POLITEHNICA University of Bucharest, Romania
Dragoş Arotăriţei – Grigore T. Popa University of Medicine and Pharmacy, Faculty of Medical Bioengineering, Iasi, Romania
Adrian Barbu – Florida State University, USA

- 1. A Feature-Correlation Based Fusion Method for Fingerprint and Palmprint Identification Systems,** *Sorin Soviany, Sorin Puscoci - Id:13*
- 2. Towards a Forward Engineered Simulation of the Cardinal Movements of Human Childbirth,** *Zelimkhan Gerikhanov, Vilius Audinis, Rudy Lapeer - Id:70*
- 3. A Novel Approach for Computing Pressure Drop in Healthy and Mildly Stenosed Arteries,** *Olivia Florea - Id:85*
- 4. Probabilistic Gate Matrix Applied for Array of Gates in Axon-inspired Communication,** *Dragos Arotaritei, Valeriu Beiu, Marius Turnea, Mariana Rotariu - Id:123*
- 5. An Experimental Study on the Effect of Fat Conductivity on Voltage Distribution and Muscle Recruitment Using Tissue-Equivalent Phantoms,** *Yuto Fukuhara, Jose Gomez, Wenwei Yu - Id:132*
- 6. Study of Suitability of New Materials for Use with Physical Breast Phantoms,** *Kristina Bliznakova, Ivan Buliev, Zhivko Bliznakov, Nikola Kolev, Jordan Kolev - Id:225*
- 7. Numerical Simulations for Modeling the Insulin Analogues Using Reduced Order Techniques,** *Gabriel Dimitriu, Lucian Vasile Boiculese, Mihaela Moscalu - Id:232*
- 8. Patient-Specific Modeling of Blood Glucose Level and Epileptic Activity by 3D Visual Membrane Petri Nets,** *Aurelia Profir, Roman Damaschin, Gheorghe Chernisov, Laura Prepelita, Olga Leticevscaia, Antonio Prepelita - Id:236*
- 9. Experimental and Numerical Evaluation of the Retention Force for Metallic Matrix Attachment Systems,** *Paul Virgil Rosu, Mihai Mihaila-Andres, Camelia Ionescu, Felix Adochiei - Id:239*
- 10. Patient-Specific Modeling of ECG Representation and Thyroid Hormones Regulation by 3D Visual Membrane Petri Nets,** *Aurelia Profir, Antonio Prepelita, Laura Prepelita, Roman Damaschin, Carolina Opinca - Id:242*

POSTERS

- 11. Modeling and Simulation Methodology for Aging**, *Constantin Munteanu, Diana Munteanu, Marius Turnea - PId:84*
- 12. Software Monitor of Vital Functions for a Mannequin Realized on Tablet PC**, *Martin Rozanek, Petr Kudrna, Jiri Hozman, Petr Kopecky - PId:202*
- 13. Numerical Study on Magnetic Effect on Drug Delivery Vehicle Motion in Tumor-defective Blood Vessels using Arbitrary Lagrangian-Eulerian Algorithm**, *Yu-Chung Liao, Rei-Yu Chein - PId:214*
- 14. Pilots' Performances Optimizing in Complex Simulated Environment: Contribution of Longitudinal Component of Virtual Flight**, *Pericle Gabriel Matej, Constantin Rotaru, Ioana-Raluca Edu - PId:238*