

# PROGRAMME

## **11<sup>30</sup> – 13<sup>15</sup> Dedicated session: Decision support systems, Artificial Intelligence in Medicine, Bioinformatics (Room B – 'Anatomy' Hall)**

**Chairs:** **Svetlana Cojocar** – Academy of Sciences of Moldova, Kishinev

**Mihail Popescu** – University of Missouri-Columbia, USA

**Gladiola Andruseac** – Grigore T. Popa University of Medicine and Pharmacy, Faculty of Medical Bioengineering, Iasi, Romania

- 1. The Evaluation of DSS SonaRes - the Initial Results**, *Svetlana Cojocar, Constantin Gaidric, Serghei Puiu - Id:133*
- 2. Distances and Numerical Similarities in DNA Repeats Detection**, *Petre G. Pop, Mircea F. Vaida - Id:16*
- 3. Pattern Recognition Techniques Applied for the Detection of Amphetamines Based on Infrared Laser Spectroscopy**, *Stefanut Ciochina, Mirela Praisler - Id:41*
- 4. Evaluation of Predictive Learners for Cancer Incidence and Mortality**, *Smita Kachroo, William Melek, Joseph Kurian - Id:61*
- 5. Detection of Abnormal Sensor Patterns in Eldercare**, *Zahra Hajihashemi, Mihail Popescu - Id:62*
- 6. Virtual Agent Organizations Supporting Disease Specific Communities**, *Andrei Vasilateanu, Alina Margarit, Ana Cristina Radulescu - Id:78*
- 7. Computer Assisted Osteosclerosis Detection Using Fuzzy Inference System**, *Norbert Gal, Diana Andrei, Vasile Stoicu-Tivadar, Dan Surducan, Dan Ion Nemes, Emanuela Georgiana Nadasan - Id:158*

## **POSTERS**

- 8. Medical Signal Processing by Means of Immune Algorithms**, *Hariton Costin, Silviu Bejinariu - PId:6*
- 9. Further Exploration of the Hybrid Fuzzy-Rough Dendritic Cell Immune Classifier**, *Zeineb Chelly, Zied Elouedi - PId:18*
- 10. PCA Evaluation of Quantum Cascade Lasers as Radiation Sources for Portable IRAS Systems Detecting Amphetamines**, *Mirela Praisler, Stefanut Ciochina - PId:42*
- 11. Prediction Potential of Different Handwriting Tasks for Diagnosis of Parkinson's Disease**, *Peter Drotár, Jiří Mekyska, Irena Rektorová, Lucia Masarová, Zdeněk Smékal, Marcos Faundez-Zanuy - PId:51*
- 12. Online Monitoring of the Artificial Pancreas**, *Luis Omar Avila, Ernesto Carlos Martinez - PId:137*

**13. Nonlinear Dynamics, Artificial Neural Networks and Neuro-Fuzzy Classifier for Automatic Assessing of Tremor Severity, Oana Geman - PId:157**

**14. A Markov Model for Analyzing the Health Status of the Romanian Population until 2020, Oana Geman - PId:170**