

PROGRAMME

11⁰⁰ – 13³⁰ Dedicated Session: *Biosignal processing (Room A)*

Chairs: **Rangaraj Rangayyan** – Schulich School of Engineering, University of Calgary, Canada
Anca Lazăr – Grigore T. Popa University of Medicine and Pharmacy, Iasi, Faculty of Medical Bioengineering, Iasi
Radu Negoescu – Public Health Institute of Bucharest, Romania

- 1. Fetal Heart Rate Variability Study with Recurrence Plot Analysis**, *Bogdan Hurezeanu, G.Mihaela Ungureanu, Angela Digulescu, Alexandru Serbanescu, Hariton Costin, Rodica Strungaru* - Id:19
- 2. Time-Variant Connectivity Analysis Between EEG Signals as Well as Between EEG-Envelopes and Heart Rate Variability Before, During and After Epileptic Seizure: A Methodological Study**, *Diana Piper, Karin Schiecke, Britta Pester, Lutz Leistritz, Martha Feucht, Franz Benninger, Rodica Strungaru, Mihaela Ungureanu, Herbert Witte* - Id:75
- 3. Reflection Wave Analysis Based on Ensemble Empirical Mode Decomposition**, *Sheng-Chi Kao, Chia-Chi Chang, Hung-Yi Hsu, Tzu-Chien Hsiao* - Id:80
- 4. The P300 Event-related Potential Detection - a Morphological Approach**, *Anca Mihaela Lazar, Radu Ursulean* - Id:90
- 5. Perceptual Details of Depression Detection in Romanian Language**, *Ioan Pavaloi, Elena Musca* - Id:131
- 6. Frequency Domain and Symbolic Dynamics Analysis for the Study Of Cardiac Pathologies**, *Maria Romano, Mario Cesarelli, Luigi Iuppariello* - Id:144
- 7. Shuffled Data in the Investigation Of Complex Dynamics of the Neuromotor Saccadic System**, *Corina Astefanoaei, Elena Pretegiani, Lance Optican, Dorina Creanga, Alessandra Rufa* - Id:177
- 8. Spline Interpolation to Evaluate Foveation Parameters in Congenital Nistagmus Recordings**, *Mario Cesarelli, Fabrizio Clemente, Antonio Fratini* - Id:189
- 9. Changed Neuronal Coupling in Schizophrenia**, *Felix-Constantin Adochiei, Ioana-Raluca Edu, Hariton Costin, K.J. Baer, M. Bolz, Andreas Voss* - Id:233
- 10. QT Interval Variability Is It a Measure of Sympathetic Drive to Ventricles in Humans? Nevermind, yet Certainly a Meaningful Correlate if Appropriately Handled**, *Radu Negoescu* - Id:2013

POSTERS

- 11. Symbolic Dynamics in CTG Monitoring**, *Maria Romano, Gianni D'Addio, Paolo Bifulco – PId:47*
- 12. G-code Programming Applied in Human Voice Frequency Analysis**, *Diana Cazangiu, Ileana Constanta Rosca - PId:113*
- 13. Use of Feature Extraction Algorithm in Real Time Echo Detection Application Development**, *Diana Cazangiu, Ileana Constanta Rosca - PId:114*
- 14. Fourier and Wavelet Transformation of Eye Movement Temporal Series**, *Corina Astefanoaei, Elena Pretegiani, Lance Optican, Dorina Creanga, Alessandra Rufa - PId:176*
- 15. Emotion Recognition in Romanian Language using LPC Features**, *Silvia Monica Feraru, Marius Dan Zbancioc - PId:195*
- 16. Increased QT Variability Index as a Marker for a Cardiac Autonomic Dysregulation in Schizophrenia**, *Hariton Costin, Steffen Schulz, Karl-Jürgen Bär, Ioana Alexa, Felix Adochiej, Andreas Voss - PId:223*