



Session : **Biomedical Signal Processing**

Time: 10:50 – 12:50



DIAGNOSTIC ANALYSIS USING TEXTURAL FEATURES OF THE LACHRYMAL FLUID CRYSTAL IMAGES ([Abstract](#))

Alexander Kupriyanov (Image Processing Systems Institute of Russian Academy of Sciences, Russian Federation)

Nataly Ilyasova (Image Processing Systems Institute of Russian Academy of Sciences, Russian Federation)

Alexander Malapheyev (Image Processing Systems Institute of Russian Academy of Sciences, Russian Federation)

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AUTOMATED CLASSIFICATION OF FLUORESCENT IN SITU CASES ([Abstract](#))

Francesco Raimondo (Aristotle University of Thessaloniki, Greece)

Marios Gavrielides (Aristotle University of Thessaloniki, Greece)

Georgia Karayannopoulou (Aristotle University of Thessaloniki, Greece)

Ioannis Kostopoulos (Aristotle University of Thessaloniki, Greece)

Kleoniki Lyroudia (Aristotle University of Thessaloniki, Greece)

Ioannis Pitas (Aristotle University of Thessaloniki, Greece)

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WEANING FROM MECHANICAL VENTILATION: FEATURE EXTRACTION FROM A STATISTICAL SIGNAL PROCESSING VIEWPOINT ([Abstract](#))

Pablo Casaseca De La Higuera (Universidad de Valladolid, Spain)

Rodrigo De-Luis-García (Universidad de Valladolid, Spain)

Federico Simmross-Wattenberg (Universidad de Valladolid, Spain)

Carlos Alberola-López (Universidad de Valladolid, Spain)

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ABOUT IMPORTANCE OF POSITIVITY CONSTRAINT FOR SOURCE SEPARATION IN FLUORESCENCE SPECTROSCOPY (Abstract)

Cyril Gobinet	(CRESTIC, France)
Abdelkamel Elhafid	(CRESTIC, France)
Valeriu Vrabie	(CRESTIC, France)
Régis Huez	(CRESTIC, France)
Danielle Nuzillard	(CRESTIC, France)

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BLIND SEPARATION OF TISSUES IN MULTI-MODAL MRI USING SPARSE COMPONENT ANALYSIS **(Abstract)**

Alexander Bronstein (Technion – Israel Institute of Technology, Israel)
Michael Bronstein (Technion – Israel Institute of Technology, Israel)
Michael Zibulevsky (Technion – Israel Institute of Technology, Israel)
Yehoshua Y. Zeevi (Technion – Israel Institute of Technology, Israel)



MEDICAL IMAGES REGISTRATION WITH A HIERARCHICAL ATLAS (Abstract)

Nawal Houhou (Ecole Polytechnique Fédérale de Lausanne, Switzerland)



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NAVIGATION SYSTEM FOR BRONCHOFIBEROSCOPIC PROCEDURES BASED ON IMAGE REGISTRATION WITH SCALE ADAPTIVE IMAGE SIMILARITY MEASURE ([Abstract](#))

Pawel Turcza

(AGH University of Science and Technology, Poland)



IMAGE ANALYSIS AND SEGMENTATION OF ANATOMICAL FEATURES OF CERVIX UTERI IN COLOR SPACE ([Abstract](#))

Viara Van Raad

(STI – Medical Systems, United States)



ON A COMPRESSION ALGORITHM FOR ECG SIGNALS ([Abstract](#))

Monica Negoita

("Gh. Asachi" Technical University, Romania)

Liviu Goras

("Gh. Asachi" Technical University, Romania)

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VARIABLE BANDWIDTH MEAN SHIFT FOR SMOOTHING ULTRASONIC IMAGES ([Abstract](#))

Thomas Grenier	(CREATIS, CNRS UMR 5515, Inserm U 630, France)
Franck Davignon	(CREATIS, CNRS UMR 5515, Inserm U 630, France)
Chantal Muller	(CREATIS, CNRS UMR 5515, Inserm U 630, France)
Olivier Basset	(CREATIS, CNRS UMR 5515, Inserm U 630, France)
G�rard Gimenez	(CREATIS, CNRS UMR 5515, Inserm U 630, France)

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