



Porto, 27th April 2007

Papers Accepted

1 st Author	Title	Country
Daniela Iacoviello	Video sequences analysis for eye tracking	Italy
Kala Kaliappan	Liver Tumor Diagnosis using Computed Tomography Images	India
Sunil Moon	Data security using data hiding in image	India
Aayush Sharma	Step Integration based Fusion Algorithm for Multimodal Biometrics	India
Daniele Marinazzo	Multiscale analysis of short term cardiorespiratory signals	Italy
Romana Rytsar	Human head models for the EEG forward problem	Switzerland
Christos Constantinou	Integration of biomechanical measurements with ultrasound imaging of the female pelvic floor	United States America
Sadao Isotani	A system for ploidy analysis of malignant nuclei	Brasil
Rui Lima	Micro-scale flow dynamics of red blood cells in circular microchannel	Japan
João Figueiredo	Movement Detection in 2-D Images with Adaptive Variable	Portugal
Wing Shum Tsui	Study of airflow in nasal cavity models derived from cone beam and spiral CT scans using CFD	Hong Kong
Filipa Sousa	Behaviour of the Medial Gastrocnemius and Soleus Muscles during Human Drop Jumps	Portugal
Antonio Sousa	Fast and Straightforward Method to Estimate Sub-pixel Level Displacement Field	Portugal
Juan Manuel Vilarity Ortiz	Acquisition Electronic System for Visualization, Registering and Filtering of ECG Signals	Columbia
Jose Carlos Peña Matos	Identification of Maceral Groups using Digital Correlation	Columbia
Jaime Santos	Medical Interface for echographic free-hand images	Portugal
Adérito Araújo	Numerical experiments for segmenting medical images using level sets	Portugal

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Celine Gouttiere	Detection of synthetic singularities in digital mammographies using spherical filters	Belgium
Daniel Marinho	The use of Computational Fluid Dynamics in swimming resarch	Portugal
Fernando Moitinho	A Drusen Volume Quantification Method based on a Segmentation Algorithm	Portugal
André Marçal	Automatic extraction and classification of DNA profiles in digital images	Portugal
Joël De Coninck	Automated training detection for Computer Aided Detection algorithms in early breast cancer detection	Belgium
Turgay Ibrikci	Clustering MRI Images with Principal Component Analysis Methods	Turkey
Maria Geraledes	A Mathematical Modelling Simulation of the Thermal Behaviour in Textile Structures	Portugal
Antonio Vernet	Measurement of the IMT using a semi-automated software (ThickSoft): a validation study	Spain
Andrea Chincarini	Volume properties of the hippocampal region as predictors of AD development	Italy
Nuno Belino	Needlepunched nonwoven surface analysis with content based image retrieval	Portugal
Manuel González-Hidalgo	Fuzzy Morphology based on Uninorms: Image Edge Detection. Opening and Closing	Spain
Paulo Antunes	Nonlinear 3D foot FEA modelling from CT scan medical images	Portugal
Denis Santos	Alternative lossless compression algorithms in X-ray cardiac images	Portugal
Pavel Ruzicka	Image registration procedure used in intrasubject comparison of pelvic configuration	Czech Republic
Antoine Bouhours	Segmentation of left ventricle in ecocardiograms using the active contours model	Brazil
Philippe Young	Direct approach for constructing volumetric meshes from 3D image data	United Kingdom
Kathrin Tingelhoff	Analysis of Manual Segmentation in Medical Image Processing	Germany
Candida Pereira	Customized Implant Optimization for Maxillo-Mandibular Osteotomy	Portugal
Candida Pereira	Engineering Assisted Surgery Applied to a Pulmonary Tumour Ablation	Portugal
Enrique Alegre	Acrosome integrity classification of boar spermatozoon images using DWT and texture descriptors	Spain
Gianfranco Gargano	Computer-Aided Detection System for Nodule Detection in Lung CTs.	Italy
Analia Moral	Paranasal Sinuses Segmentation/Reconstruction for Robot Assisted Endonasal Surgery	Germany
Jorge Suit Pérez Ronda	Fluid-Structure interaction applied to blood flow simulations.	Spain

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Annunziata D'Orazio	Automatic accuracy evaluation for distance measurement by medical ultrasound scanners	Italy
Enrique Alegre	Use of statistic texture descriptors to classify boar sperm images applying discriminant analysis	Spain
Teresa Azevedo	3D Object Reconstruction from Uncalibrated Images using a Single Off-the-Shelf Camera	Portugal
Fernando Jorge Soares Carvalho	Eye Detection in Face Images using Deformable Templates	Portugal
Daniel Lopes	A geometric modeling pipeline for bone structures based on computed tomography data: a veterinary study	Portugal
Daniela Sousa	Gait events detection during normal walking using kinematic data	Portugal
Juan Manuel Vildary Ortiz	Filtering ECG Signals using Fractional Fourier Transform	Columbia
Sushil Kumar Mendiratta	Test of algorithms for z localization of pathology in optical micrographs stack of a cell	Portugal
Sonia I. Goncalves-Verheij	Clustering of BOLD signals recorded during rest reveals more inter-subject constancy than EEG-fMRI correlation maps	Netherlands
Jose Carlos Peña Matos	A new macerals images segmentation method using color components	Columbia
Daniela Iacoviello	Analysis of pupil fluctuations for detection of deception	Italy
Peter Selby	Geometry calibration for X-ray equipment in radiation treatment devices	Germany
Emmanuel Audenaert	Predicting muscle fascicule paths for use in customized biomechanical models	Belgium
Marcello Melis	Biomedical Images segmentation using a Probability Driven Genetic Algorithm based approach	Italy
Antón Garcia	A novel model of bottom-up visual attention using local energy	Spain
Slimane Larabi	Coarse Comparison of Outlines Shapes Descriptors	Algeria
Juan Miguel Molina Rodriguez	Brain volumetry estimation based on a suitable combination of statistic and morphological techniques.	Portugal
Yun Tingjin	Human Detection in Infrared Images Based on Local Gradient Histogram's Characters	China
Mahmoud El-Sakka	Carotid Artery Ultrasound Image Segmentation using Graph Cuts	Canada
Michel Audette	A Tissue Relevance and Meshing Method for Computing Patient-specific Anatomical Models in Endoscopic Sinus Surgery Simulation	Germany
Filomena Soares	ECG Self-diagnosis system at P-R interval	Portugal
Mario Forjaz Secca	Normalization of local variations of volume along the hippocampus in Epilepsy	Portugal

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John Felix	Lung and Chest Wall Structures Segmentation in CT Images Using Region Growing and Mathematical Morphology	Brasil
Raquel Pinho	Tracking Image Features using an Unscented Kalman Filter	Portugal
Nuno Lopes	Fuzziness Measure Approach to Automatic Histogram Threshold	Portugal
João Ferreira-Martins	Adaptation of myocardial material properties after acute muscle stretch: a Protein Kinase C-mediated decrease in myocardial stiffness.	Portugal
Alain Hore	A new image scaling algorithm based on the sampling theorem of Papoulis	Canada
Shang-Je Wu	Markov Chain Models Based on Genetic Algorithm for Image Classification	Taiwan
Ana Fonseca	Measuring critical exponents with a low cost camera in a human standing task	Portugal
Dan Liu	3D reconstruction of retinal arterial tree based on fundus images using a linear self-calibration approach	United Kingdom
Dário Oliveira	Automatic Couinaud liver segmentation using CT images	Brazil
Germano Gomes	Individualizing biomechanical shoulder models using scaling, morphing and fittings	Belgium
Miguel Guevara	A new semiautomatic method for ICH segmentation and tracking from CT head images	Cuba
Huang Guo-Feng	Fast Motion Vector Generation for Video Coding by Gray Prediction	Taiwan
Chung-Ying Tsai	Improvement of the Background Subtraction and Shadow Detection in Grayscale Video Sequences	Taiwan
Patrícia Gonçalves	Segmentation of objects in images using physical principles	Portugal
Celso Olivete	Bone Age Maturation: Software diagnosis versus medical diagnosis	Brazil
Brígida Faria	A didactic application for creating new sights from multiple images using Light Fields	Portugal
Paulo Flores	Teaching kinematics and dynamics by using virtual reality capabilities	Portugal
Yun Tingjin	A Multi -Stage Candidates Selection Method for Human Detection in Infrared Images	China
Eurico Seabra	Advanced Graphical Tools on Modelling and Control of Automation Systems	Portugal
Carla Carmelo Rosa	Medical and Biological Imaging with optical coherence tomography	Portugal
Sadao Isotani	A module for nuclei demarcation of a system of the processing of images from microscope	Brazil
Fátima Alexandre	On the use of 3D reconstruction of pelvic floor for numerical simulation purposes	Portugal
Elza Figueiredo Chagas	An Application Of Hough Transform To Identify Breast Cancer In Images	Brazil

1 st Author	Title	Country
S. SarvaMangalaDevi	Discrimination of glaucomatous and non glaucomatous eyes by optic disc localization using morphological operations	India
Anitha Chandrasekaran	An Expert System For Retinal Blood Vessel Segmentation and Width Calculation	India
Paulo Macedo	A Simple Mathematical Model for the Woman's Breast Geometry and its use in the Breast Characterisation	Portugal
Francisco Oliveira	Matching the contours of objects represented in images using curvature information	Portugal
Pedro Martins	Image processing on the Poisson ratio calculation of soft tissue samples	Portugal

Resume:

- 10 Invited Keynotes;
- 90 Contributed Papers;
- 57 Oral Presentations;
- 33 Poster Presentations.

