

Program

Venue: Auditório da Livraria, Universidade de Aveiro, Aveiro, Portugal

- 9:00 Registration
- 10:15 RecPad opening session
- 10:30 Poster session1
- 2 *J. Oliveira, T. Mantadelis, M. Coimbra.* Why should you model time when you use Markov Models for heart sound analysis.
 - 3 *M. Saad Sultan, N. Martins, M. Coimbra.* Tracking of the Anterior Mitral Leaflet in Echocardiographic Sequences using Active Contours.
 - 4 *M. Farrajota, J. Rodrigues, J.M.H Du Buf.* Pedestrian Detection Using Multi-Stage Features in Fast R-CNN.
 - 6 *A. Rodrigues, C. Nunes, V. Vasconcelos, M. Couceiro.* Image Segmentation and Classification for the Location of Tumors and Other Diseases.
 - 7 *S. Bessa, J. Cardoso, H. Oliveira.* Multi-modal Image Registration for Generation of Complete 3D Models of the Breast: A Technical Review.
 - 8 *S. Brás, J. Ferreira, S. C. Soares, A. Pinho.* Compression Methods on Emotion Identification - Preliminary Study.
 - 9 *A. Laranjeira, B. Ribeiro, X. Frazão, A. Pimentel.* A simple Net for a Deep Problem - Emotion Recognition.
 - 14 *J. L. Pimenta, J. S. Silva, J. Bioucas-Dias.* Landmines detection using thermal infrared sensors.
 - 15 *K. Fernandes, J. Cardoso.* Discriminative Directional Classifiers: Logistic Regression and K-Nearest Neighbors.
 - 16 *A. Gonçalves, A. Tomé, L. Descalço.* Predicting Student Performance with Data from an Interactive Learning System.
 - 20 *S. Sinche, B. Ribeiro, J. S. Silva.* Motion Recognition from Accelerometer, Gyroscope and ECG Data.
 - 34 *R. Dias, N. Lau, J. Silva, G. Hyun Lim.* Multi-Object Tracking with Distributed Sensing.
 - 35 *M. Henriques, A. J. R. Neves, A. Pinho.* Facial recognition based on image compression.
 - 44 *E. Monteiro, C. Costa, J. L. Oliveira.* Using Deep Machine Learning for Medical Image De-identification.
- 11:30 Coffee break
- 11:45 Poster session 2
- 5 *H. Zolfagharnasab, J. S. Cardoso, H. P. Oliveira.* Parametric Modeling of Breast Data Using Free Form Deformation.
 - 10 *B. Marques, S. Brás, S. Soares, J. M. Fernandes.* Psychophysiology assessment tool using Virtual Reality - Case Study.
 - 18 *P. M. Ferreira, J. S. Cardoso, A. Rebelo.* Facial Key-Points Detection using a Convolutional Encoder-decoder Model.
 - 21 *R. Barata, B. Ribeiro, A. Dourado, C. Teixeira.* Epileptic Seizure Prediction with univariate EEG features and Stacked AutoEncoders.
 - 22 *F. Teixeira, A. Pinho.* Boosting Compression-based Classifiers for Authorship Attribution.
 - 25 *G. Aresta, A. Cunha, A. Campilho.* Detection of small juxta-pleural nodules in computed tomography images.
 - 27 *R. Sebastião, S. Sorte, J. Valente, A. I. Miranda, J. M. Fernandes.* Deriving ECG to compute inhalation during to fire experiments.

- 30 A. M. Santiago, M. Rocha, J. P. Arrais. Mixed-Integer Programming Model for the Discovery of Disease Biomarkers Profiles.
- 36 D. Lopes, A. J. R. Neves. A practical study about the Google Vision API.
- 38 S. P. Faria, S. Penas, L. Mendonça, J. A. Silva, A. M. Mendonça. Estimation of choroidal thickness in OCT images.
- 42 C. Santiago, J. Nascimento, J. S. Marques. Segmentation of the Left Ventricle in Cardiac MRI using a Robust Active Shape Model Approach.
- 43 C. Barata, M. E. Celebi, J. S. Marques. A System for the Analysis of Dermoscopy Images Using Weak Annotations.
- 45 J. Carvalho, A. Pinho, S. Brás. Irregularity Detection in ECG signal using a semi-fiducial method.
- 49 R. Antunes, S. Matos. Machine Learning with Word Embeddings applied to Biomedical Concept Disambiguation.
- 12:45 Lunch
- 14:30 Keynote presentation: “Remote Sensing Data Compression”, Joan Serra Sagristà, Universitat Autònoma de Barcelona (UAB), Spain
- 15:30 Poster session 3
- 12 R. Sebastião, J. M. Fernandes. Intrinsic Page Hinkley Test (iPHT).
- 17 R. Vieira, C. Silva, M. Antunes, A. Assis. Pattern Recognition in Images of Counterfeited Documents.
- 19 R. J. Araújo, J. S. Cardoso, H. P. Oliveira. Segmentations of Vascular Networks: A Technological Review.
- 24 T. Araújo, A. M. Mendonça, A. Campilho. Vessel width estimation in eye fundus images.
- 26 M. Farrajota, J. Rodrigues, H. Du Buf. Human Pose Estimation Using Wide Stacked Hourglass Networks.
- 28 A. Sá Pinto, M. Davies, P. Herrera. Semantic Modelling for User Interaction with Sonic Content.
- 29 J. Costa, C. Silva, M. Antunes, B. Ribeiro. Twitter classification: are some examples better than others?
- 32 M. Fernandes, L. A. Alexandre. Dynamic Recognition of Obstacles for Optimal Robot Navigation.
- 33 T. J. O. Magalhães, J. M. Fernandes, I. C. Oliveira, S. Brás. Initial validation of online ECG signal segmentation.
- 40 H. Alizadeh, A. Zúquete. Anomaly-based intrusion detection using application-specific traffic profiles.
- 41 T. Fonseca, S. Pires, V. Vasconcelos, E. Bigotte. Mobile Application in the Executive Function Assessment of Parkinson's Disease.
- 46 J. Cebola, L. Teixeira. Pre-trained ConvNet models as feature extractors and label estimators: A comparative study in large datasets.
- 47 V. Enes, J. M. Rodrigues, V. Afreixo. Single nucleotide variation context in human genome.
- 48 A. Tavares, V. Afreixo, P. Brito, P. Filzmoser. Directional Outlyingness applied to distances between Genomic Words.
- 16:30 Coffee Break + APRP meeting
- 17:00 Awards + Closing ceremony