

PUBLISHED RESEARCH WORKS

(Poster session)

- P-01** V. Campos, A. Salvador, B. Jou and X. Giró-i-Nieto (UPC)
Diving Deep into Sentiment: Understanding Fine-tuned CNNs for Visual Sentiment Prediction
1st International Workshop on Affect & Sentiment in Multimedia (ACM MM) 2015
- P-02** A. Quattoni, A. Ramisa, P. S. Madhyastha, E. Simo-Serra, and F. Moreno-Noguer (UPC-CSIC)
Structured Prediction with Output Embeddings for Semantic Image Annotation
Proceedings of NAACL-HLT, 2016
- P-03** J. Pan, K. McGuinness, E. Sayrol, N. O'Connor and X. Giro-i-Nieto (UPC)
Shallow and Deep Convolutional Networks for Saliency Prediction
IEEE International Conference on Computer Vision and Pattern Recognition (CVPR) 2016
- P-04** M. Oliver, G. Haro, M. Dimiccoli, B. Mazin and C. Ballester (UPF)
A Computational Model for Amodal Completion
JMIV 2016
- P-05** A. Agudo and F. Moreno-Noguer (CSIC-UPC)
Simultaneous Pose and Non-Rigid Shape with Particle Dynamics
IEEE International Conference on Computer Vision and Pattern Recognition (CVPR) 2015
- P-06** A. Agudo and F. Moreno-Noguer (CSIC-UPC)
Learning Shape, Motion and Elastic Models in Force Space
IEEE International Conference on Computer Vision (ICCV) 2015
- P-07** E. Moledano, A. Salvador, K. McGuinness, X. Giró-i-Nieto, N. O'Connor and F. Marqués (UPC)
Bags of Local Convolutional Features for Scalable Instance Search
International Conference on Multimedia Retrieval (ICMR) 2016
- P-08** V. Fedorov, P. Arias, G. Facciolo and C. Ballester (UPF)
Affine Invariant Self-Similarity for Exemplar-Based Inpainting
11th International Conference on Computer Vision Theory and Applications (VISAPP) 2016
- P-09** D. Berga and X. Otazu (CVC / UAB)
Predicting attention through a model of the lateral interactions of firing-rate neurons in the striate cortex. *Barcelona Computational, Cognitive and Systems Neuroscience (BARCCSYN) 2016*
- P-10** I. Rafegas and M. Vanrell (CVC / UAB)
Colour Visual Coding in trained Deep Neural Networks
European Conference on Visual Perception (ECCV) 2016
- P-11** E. Cervantes, L.L. Yu, A. Bagdanov, M. Masana and J. van de Weijer (CVC / UAB)
Hierarchical part detection with deep neural networks
IEEE International Conference on Image Processing (ICIP) 2016
- P-12** A. Rubio, L.L. Yu, E. Simo-Serra, F. Moreno-Noguer (UPC)
BASS: Boundary-Aware Superpixel Segmentation
International Conference on Pattern Recognition (ICPR) 2016
- P-13** G. Ros, L. Sellart, J. Materzyńska, David Vazquez and Antonio Lopez (CVC / UAB)
The SYNTHIA Dataset: A Large Collection of Synthetic Images for Semantic Segmentation of Urban Scenes. *Computer Vision and Pattern Recognition (CVPR) 2016*

- P-14** M. Aghaei, M. Dimiccoli and P. Radeva (UB)
With Whom Do I Interact? Detecting Social Interactions in Egocentric Photo-streams
International Conference on Pattern Recognition (ICPR) 2016
- P-15** M. Bolaños, A. Peris, F. Casacuberta and P. Radeva (UB)
VIBIKNet: Visual Bidirectional Kernelized Network for the VQA Challenge
Computer Vision and Pattern Recognition (CVPR) 2016
- P-16** K. Trejo and C. Angulo (UPC)
Single-Camera Automatic Landmarking for People Recognition with an Ensemble of Regression Trees. *Computación y Sistemas (CyS), 2016*
- P-17** F.M. Sukno, M.A. Rojas, J.L. Waddington and P.F. Whelan (UPF)
On the quantitative analysis of craniofacial asymmetry in 3D
International Conference on Face and Gesture Recognition 2015
- P-18** C. Roberto De Souza, A. Gaidon; E. Vig and Antonio Manuel López (Xerox / CVC)
Sympathy for the Details: Dense Trajectories and Hybrid Classification Architectures for Action Recognition. *European Conference on Computer Vision (ECCV) 2016*
- P-19** V. Balntas, E. Riba, D. Ponsa and K. Mikolajczyk (CVC)
Learning local feature descriptors with triplets and shallow convolutional neural networks
British Machine Vision Conference (BMVC) 2016
- P-20** B. Zhou, A. Khosla, A. Lapedriza; A. Oliva and A. Torralba (UOC)
Learning Deep Features for Discriminative Localization
Computer Vision and Pattern Recognition (CVPR) 2016
- P-21** A.Esteban-Lansaque, C.Sanchez, A.Borras, M.Diez-Ferrer, A.Rosell and D.Gil (CVC / UAB)
Stable Anatomical Structure Tracking for video-bronchoscopy Navigation
Clinical Image-Based Procedures. Translational Research in Medical Imaging, 2016
- P-22** E. Tacchini, R. Morros, V. Vilaplana and E. Sañoso (UPC)
Do you have a Pop face? Here is a Pop song
RecSys 2015
- P-23** M. Maceira, R. Morros and J. Ruiz-Hidalgo (UPC)
Depth map compression via 3D region-based representation
Multimedia Tools and Applications, 2016
- P-24** X. Lin, J. R. Casas and M. Pardo (UPC)
3D point cloud segmentation oriented to the analysis of interactions
24th European Signal Processing Conference (EUSIPCO) 2016
- P-25** A. Casamitjana, S. Puch, A. Aduriz, E. Sayrol and V. Vilaplana (UPC)
3D Convolutional Networks for Brain Tumor Segmentation
BRATS workshop of MICCAI 2016
- P-26** A. Gurgui, D. Gil, E. Martí and V. Grau (CVC)
Left-ventricle basal ring constrained parametric mapping to unitary domain
Statistical Atlases and Computational Modeling of the Heart (STACOM) 2016
- P-27** D. Gil, S. Vera, A. Borràs, A. Andaluz and M. González Ballester (CVC)
Anatomical Medial Surfaces with Efficient Resolution of Branches Singularities
Medical Image Analysis, 2016
- P-28** D. Sánchez, M. Á. Bautista and Sergio Escalera (UOC)

HuPBA8k+: Dataset and ECOC-Graph-Cut based segmentation of human limbs
Neurocomputing, 2015

- P-29** M. Nuñez-Garcia, S. Simpraga, M. A. Jurado, M. Garolera, R. Pueyo and L. Igual (UPF)
FADR: Functional-Anatomical Discriminative Regions for Rest fMRI Characterization
Machine Learning in Medical Imaging (MLMI) 2015
- P-30** M. Olliu, C. Corneanu, L. A. Jeni, J. Cohn, T. Kanade and S. Escalera (UOC)
Continuous Supervised Descent Method for Facial Landmark Localisation
Asian Conference on Computer Vision 2016
- P-31** A. Nicolaou, L. Gomez-Bigorda, A. Bagdanov and D.Karatzas (CVC / UAB)
Visual Script And Language Identification
DAS 2016
- P-32** E. Ruiz Pujadas, H. Martin Kjer, G. Piella and M. A. González Ballester (UPF)
Iterated Random Walks with Shape Prior
Image and Vision Computing, 2016
- P-33** G. Sanroma, O. M. Benkarim, G. Piella and M. Á. González Ballester (UPF)
Building an Ensemble of Complementary Segmentation Methods by Exploiting Probabilistic Estimates. MICCAI Workshop on Machine Learning in Medical Imaging 2016
- P-34** O. M. Benkarim, G. Piella, M. A. González Ballester and G. Sanroma (UPF)
Enhanced Probabilistic Label Fusion by Estimating Label Confidences through Discriminative Learning. MICCAI Workshop on Machine Learning in Medical Imaging 2016