



POSTERS

TUESDAY 16th SEPTEMBER 2025

12th Annual Catalan Meeting
on Computer Vision

01

BabyFM: Towards accurate 3D baby facial models using spectral decomposition and asymmetry swapping by Araceli Morales, Antonia Alomar, Antonio R. Porras, Marius G. Linguraru, Gemma Piella, Federico M. Sukno | 2025 | Computers in Biology and Medicine.

02

Dual Polarity Prompts with Stochastic Entropy Perturbation for Label Noise by Changhui Hu; Bhalaji Nagarajan; Ricardo Marques; Petia Radeva | 2025| The British Machine Vision Conference (BMVC) 2025.

03

Encoding 3D information in 2D feature maps for brain CT-Angiography by Uma M. Lal-Trehan Estrada; Sunil Sheth; Arnau Oliver; Xavier Lladó; Luca Giancardo | 2025 | Computerized Medical Imaging and Graphics.

04

FoodMem: Near real-time and precise food video segmentation by Ahmad AlMughrabi, Adrián Galán, Ricardo Marques, Petia Radeva | 2025 | Pattern Recognition Letters.

05

Going Smaller: Attention-based models for automated melanoma diagnosis by Sana Nazari, Rafael Garcia | 2025 | Computers in Biology and Medicine.

06

HyperNVD: Accelerating Neural Video Decomposition via Hypernetworks by Maria Pilligua, Danna Xue, Javier Vazquez-Corral | 2025| CVPR2025

07

Learning from Silence and Noise for Visual Sound Source Localization Models by Xavier Juanola, Giovana Morais, Magdalena Fuentes, Gloria Haro | 2025| The British Machine Vision Conference (BMVC)

08

Multimodal sensing prototype for robust autonomous driving under adverse weather conditions by Gerard DeMas-Giménez; Adrià Subirana; Pablo García-Gómez; Eduardo Bernal; Josep R. Casas; Santiago Royo | 2025 | Proceedings Volume 13567, Optical Measurement Systems for Industrial Inspection XIV.

09

Multi-task visual food recognition by integrating an ontology supported with LLM by Eduardo Aguilar; Mireia Ribera; Petia Radeva | 2025| Journal of Visual Communication and Image Representation.

10

Precision at scale: Domain-specific datasets on-demand by Jesús M. Rodríguez-de-Vera; Imanol G. Estepa; Ignacio Sarasúa; Bhalaji Nagarajan; Petia Radeva | 2025| Pattern Recognition



POSTERS
TUESDAY 16th SEPTEMBER 2025
12th Annual Catalan Meeting
on Computer Vision

11

Revisiting Image Fusion for Multi-Illuminant White-Balance Correction by David Serrano-Lozano, Aditya Arora, Luis Herranz, Konstantinos G. Derpanis, Michael S. Brown and Javier Vazquez-Corral | 2025 | International Conference in Computer Vision, 2025.

12

The art of deception: Color visual illusions and diffusion models by Alexandra Gomez-Villa, Kai Wang, C Alejandro Parraga, Bartłomiej Twardowski, Jesus Malo, Javier Vazquez-Corral, Joost van den Weijer | 2025 | CVPR (Proceedings of the Computer Vision and Pattern Recognition Conference).

13

VoIE: A Point-cloud Framework for Food 3D Reconstruction and Volume Estimation by Umair Haroon, Ahmad AlMughrabi, Thanasis Zoumpekis, Ricardo Marques, Petia Radeva | 2025 | Q1 Journal.