1. Record Nr. UNINA9911047704103321

| | |
|---|---|
| Autore | Distante Cosimo |
| Titolo | Image Processing and Vision Engineering : 5th International Conference, IMPROVE 2025, Porto, Portugal, April 7–8, 2025, Proceedings / / edited by Cosimo Distante, Sebastiano Battiato |
| Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026 |
| ISBN | 3-032-01169-8 |
| Edizione | [1st ed. 2026.] |
| Descrizione fisica | 1 online resource (529 pages) |
| Collana | Communications in Computer and Information Science, , 1865-0937 ; ; 2628 |
| Altri autori (Persone) | BattiatoSebastiano |
| Disciplina | 006 |
| Soggetti | Image processing - Digital techniques<br>Computer vision<br>Pattern recognition systems<br>Computer Imaging, Vision, Pattern Recognition and Graphics<br>Computer Vision<br>Automated Pattern Recognition |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | -- Invited Speakers. -- Relevance of Human Body Pose Estimation Methods for Complex Dance Movements Analysis. -- JPEG AI: The First International Standard for Image Coding Based on an End-to-End Learning-Based Approach. -- A Deep Dive Into Regression. -- Papers. -- SuperCrossViT: Integrating Superpixel Segmentation in Vision Transformers for Advanced Medical Image Analysis. -- A Multi-Modal Approach for Face Anti-Spoofing in Non-Calibrated Systems Using Disparity Maps. -- Multi-Scale Edge-Enhanced ResNet (MSResNet) for RGB-T Image Segmentation. -- Addressing Class Imbalance in Renal Amyloidosis Classification: A Comparative Study of Few-Shot Learning and Conventional Machine Learning Techniques. -- CerberusDet: Unified Multi-Dataset Object Detection. -- MVIP - A Dataset and Methods for Application Oriented Multi-View and Multi-Modal Industrial Part Recognition. -- Assessment of Uncertainty and Variability in Simulation Tools Under Foggy Conditions. -- Automated and Explainable Multi-Disease Detection from Retinal Fundus Images. |

-- Rotation Invariance in Floor Plan Digitization Using Zernike Moments. -- Use of Orthogonal Encryption Functions in Commutative Watermarking-Encryption. -- Gender Bias Mitigation in Advertisement Videos. -- Superclass-Guided Hierarchical Learning for Action Anticipation. -- Cricket Bowling Action Recognition with Transformer-Based Models. -- Deep Learning in Satellite and Aerial-Based Image Processing. -- FoodLens: Fine-Grained and Multi-Label Classification of Indian Food Images. -- Automated Detection of Student Emotions for Engagement Verification in Virtual Learning Environments. -- Cross-Modality Learning in Ophthalmology: Is There a Need for Increasing Variety in Data?. -- Active Learning and the Various Flavors of Supervision for Object Detection.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Conference on Image Processing and Vision Engineering, IMPROVE 2025, held in Porto, Portugal, during April 7–8, 2025. The 9 full papers and 11 short papers included in this book were carefully reviewed and selected from 33 submissions. The IMPROVE 2025 proceedings focus on image processing and computer vision scientific advances and practical applications.