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Disciplina	006.4 006.42
Soggetti	Pattern recognition systems Education - Data processing Social sciences - Data processing Computer vision Machine learning Automated Pattern Recognition Computers and Education Computer Application in Social and Behavioral Sciences Computer Vision Machine Learning
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Machine Learning -- CCLM: Class-conditional Label Noise Modelling -- Addressing class imbalance in Multilabel Prototype Generation for k-Nearest Neighbor classification -- Time series imputation in faulty systems -- DARTS with degeneracy correction -- A fuzzy logic inference system for display characterization -- Learning Semantic-Visual Embeddings with a Priority Queue -- Learning Semantic-Visual Embeddings with a Priority Queue -- Continual vocabularies to tackle the catastrophic forgetting problem in Machine Translation --

Evaluating Domain Generalization in Kitchen Utensils Classification -- Document Analysis -- Segmentation of Large Historical Manuscript Bundles into Multi-page Deeds -- A Study of Augmentation Methods for Handwritten Stenography Recognition -- Lifelong Learning for Document Image Binarization: A Experimental Study -- Test-Time Augmentation for Document Image Binarization -- A Weakly-Supervised Approach for Layout Analysis in Music Score Images -- ResPho(SC)Net: A Zero-Shot Learning Framework for Norwegian Handwritten Word Image Recognition -- Computer Vision -- DeepArUco: Marker detection and classification in challenging lightning conditions -- Automated Detection and Identification of Olive Fruit Fly using YOLOv7 Algorithm -- Learning to search for and detect objects in foveal images using deep learning -- Relation networks for few-shot video object detection -- Optimal Wavelength Selection for Deep Learning from Hyperspectral Images -- Can representation learning for multimodal image registration be improved by supervision of intermediate layers? -- Interpretability-Guided Human Feedback During Neural Network Training -- Calibration of Non-Central Conical Catadioptric Systems from Parallel Lines -- S^2 -LOR: Supervised Stream Learning for Object Recognition -- Evaluation of Regularization Techniques for Transformers-Based Models -- 3D Computer Vision -- Guided depth completion using active infrared images in Time of Flight system -- StOCaMo: Online Calibration Monitoring for Stereo Cameras -- Smart-Tree: Neural Medial Axis Approximation of Point Clouds for 3D Tree Skeletonization -- A Measure of Tortuosity for 3D Curves: Identifying 3D beating patterns of sperm flagella -- The ETS2 Dataset, synthetic data from video games for monocular depth estimation -- Computer Vision Applications -- Multimodal Human Pose feature fusion for Gait recognition -- Proxemics-Net: automatic proxemics recognition in images -- Lightweight Vision Transformers for Face Verification in the Wild -- Py4MER: a CTC-based Mathematical Expression Recognition System -- Hierarchical Line Extremity Segmentation U-Net for the SoccerNet 2022 Calibration Challenge - Pitch Localization -- Object Localization with Multiplanar Fiducial Markers: Accurate Pose Estimation -- Real-time unsupervised object localization on the edge for airport video surveillance -- Identifying Thermokarst Lakes Using Discrete Wavelet Transform–Based Deep Learning Framework -- Object Detection for Rescue Operations by High-altitude Infrared Thermal Imaging Collected by Unmanned Aerial Vehicles -- Medical Imaging & Applications -- Inter vs. Intra Domain Study of COVID Chest X-Ray Classification with Imbalanced Datasets -- Automatic Eye-Tracking-Assisted Chest Radiography Pathology Screening -- Deep Neural Networks to distinguish between Crohn's disease and Ulcerative colitis -- Few-shot image classification for automatic COVID-19 diagnosis -- An ensemble-based phenotype classifier to diagnose Crohn's disease from 16s rRNA gene sequences -- Synthetic spermatozoa video sequences generation using Adversarial Imitation Learning -- A Deep Approach for Volumetric Tractography Segmentation -- MicrogliaJ: an Automatic Tool for Microglial Cell Detection and Segmentation -- Automated Orientation Detection of 3D Head Reconstructions from sMRI using Multiview Orthographic Projections: An Image Classification-Based Approach -- Machine Learning Applications -- Enhancing Transferability of Adversarial Audio in Speaker Recognition Systems -- Fishing Gear Classification from Vessel Trajectories and Velocity Profiles: Database and Benchmark -- Multi-view Infant Cry Classification -- Study and automatic translation of Toki Pona -- Detecting Loose Wheel Bolts of a Vehicle using Accelerometers in the Chassis -- Clustering ECG time

	series for the quantification of physiological reactions to emotional stimuli -- Predicting the Subjective Responses' Emotion in Dialogues with Multi-Task Learning -- Few-shot learning for prediction of electricity consumption patterns.
Sommario/riassunto	This book constitutes the refereed proceedings of the 11th Iberian Conference on Pattern Recognition and Image Analysis, IbPRIA 2023, held in Alicante, Spain, in June 27–30, 2023. The 56 papers accepted for these proceedings were carefully reviewed and selected from 86 submissions. They deal with Machine Learning, Document Analysis, Computer Vision, 3D Computer Vision, Computer Vision Applications, Medical Imaging & Applications, Machine Learning Applications.