

CIARP 2024 – List of Accepted Papers

Paper ID	Title
001	A generative algorithm to compute NanoFingerprints
002	Rethinking the Quality of Synthetic Palm Vein Images from Spectral Analysis
003	An uncertainty-driven ScaledYOLOv4 for open-pit mining helmet detection
004	Unmasking Phishing Attempts: A Study on Detection in Spanish Emails
005	Towards a lightweight CNN for semantic food segmentation
007	Ensemble approach to adaptable behavior cloning for a fighting game AI
009	Impact of agricultural production on climate change in South America: comparative analysis between 1990 and 2020
010	VAVnets: retinal vasculature segmentation in few-shot scenarios
013	Beta distribution approach for outlier exposure in multi-class text classification.
014	Comparative Analysis of Spatial and Spectral Methods in GNN for Power Flow in Electrical Power Systems
015	An Effective Artificial Intelligence Pipeline for Automatic Manatee Count Using their Tonal Vocalizations
016	Impact of Quantization on Large Language Models for Portuguese Classification Tasks
017	GemBode and PhiBode: Adapting Small Language Models to Brazilian Portuguese
020	Hate Speech Detection in Portuguese Using BERTimbau
021	Leveraging Temporal Patterns in Forecasting
023	Exploring Neural Joint Activity in Spiking Neural Networks for Fraud Detection
024	Quantized SG-MCMC for Bayesian Deep Posterior Compression
028	TeleoWatch: Pose-Transformer-Based Advanced Action Recognition
030	Aquila Optimizer for hyperparameter metaheuristic optimization in Extreme Learning Machine
031	Fruit Deformity Classification through Single-Input and Multi-Input Architectures based on CNN Models using Real and Synthetic Images
033	CNN sensitivity analysis for land cover map models using sparse and heterogeneous satellite data
034	Depth Map Completion using a Specific Graph Metric and Balanced Infinity Laplacian for Autonomous Vehicles
035	Video Game Joystick by Recognizing Breathing Patterns
036	Recovering Latent Hierarchical Relationships in Image Datasets Through Hyperbolic Embeddings
037	SwinDehazing: Haze Removal using U-Net and Swin Transformer
038	Mixture of LSTM Experts for Sales Prediction with Diverse Features
040	Remote-Sensing Based Precipitation Detection using Conditional GAN and Recurrent Neural Networks
042	A proposal for explainable fruit quality recognition using multimodal models
043	Predicting Next Phases of Multi-Stage Network Attacks: A Comparative Study of Statistical and Machine Learning Models
044	Multilabel Classification of Intracranial Hemorrhages Using a Deep Learning Framework with Image Preprocessing on Non-Contrast CT Images

048	Improving Suicide Ideation Screening with Machine Learning and Questionnaire Optimization through Feature Analysis
049	Negative Sampling for Triplet-Based Loss: Improving Representation in Self-Supervised Representation Learning
050	Data-Driven Genetic Algorithm for the Optimization of Water Distribution Networks: A New Surrogate Model for Estimating Investment and Operational Costs in Pumping Stations
051	Data-Driven Evolutionary Algorithms for Optimizing Pumping Stations in Water Distribution Networks: Classifier-Guided Search Space Reduction
052	Seed-based superpixel re-segmentation for improving object delineation
053	Gene Regulatory Network for the Tryptophanase operon under the Threshold Boolean Network Model
054	Segmentation of Brain Tumor Parts from Multi-Spectral MRI Records Using Deep Learning and U-net Architecture
056	Towards Interactive Video Segmentation by Dynamic and Iterative Spanning Forest
059	An Effective Approach to Text Detection and Recognition in Degraded Historical Documents
060	Exploiting the Segment Anything Model (SAM) for Lung Segmentation in Chest X-ray Images