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Descrizione fisica	1 online resource (414 pages)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 13589
Disciplina	518.1 006.3
Soggetti	Artificial intelligence Computer science—Mathematics Algorithms Computer networks Data mining Education—Data processing Artificial Intelligence Mathematics of Computing Design and Analysis of Algorithms Computer Communication Networks Data Mining and Knowledge Discovery Computers and Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Computer Vision, Image and Speech Analysis -- Unsupervised Pose Estimation by means of an innovative Vision Transformer -- CamCarv - Expose the source Camera at the rear of seam insertion -- Text Line Segmentation in Historical Newspapers -- Stacked ensemble of convolutional neural networks for follicles detection on scalp images -- RGB-D SLAM with Deep Depth Completion -- Semantically consistent

sim-to-real image translation with neural networks -- Hand gesture recognition for medical purposes using CNN -- Data Mining -- A streaming approach to the Core Vector Machine -- Identifying Cannabis Use Risk through Social Media Based on Deep Learning Methods -- On a Combination of Clustering Methods and Isolation Forest -- K-Medoids-Surv: A patients risk stratification algorithm considering censored data -- A Benchmark of Process Drift Detection Tools: Experimental Protocol and Statistical Analysis -- Improving Solar Flare Prediction by Time Series Outlier Detection -- Various Problems of Artificial Intelligence -- Tourism Stock Prices, Systemic Risk and Tourism Growth: A Kalman Filter with Prior Update DSGE-VAR Model -- An expert system to detect and classify CNS disorders based on eye test data using SVM and Nature-Inspired Algorithms -- Assessment of Semi-Supervised approaches applied to Convolutional Neural Networks -- Bi-Space Search: Optimizing the Hybridization of Search Spaces in Solving the One Dimensional Bin Packing Problem -- Assessing the Sentiment of Book Characteristics Using Machine Learning NLP Models -- Autoencoder neural network for detecting non-human web traffic -- Edge Detection-Based Full-Disc Solar Image Hashing -- Employee Turnover Prediction From Email Communication Analysis -- Buggy Pinball: A Novel Single-point Meta-heuristic for Global Continuous Optimization -- Privacy Preserving by Removing Sensitive Data from Documents with Fully Convolutional Networks -- A New Approach to Statistical Iterative Reconstruction Algorithm for a CT Scanner with Flying Focal Spot Using a Rebinning method -- Algorithm for solving optimal placement of routers in mines -- An Improved Structure-Based Partial Solution Search for the Examination Timetabling Problem -- Human Activity Recognition for Online Examination Environment using CNN -- BIM-based Approach to House Renovation Projects Assessment -- Machine Learning-based Conditioning and Drying of Sewage Sludge as Part of the Management of Co-fermentation Processes -- An efficient algorithm to find a maximum weakly stable matching for SPA-ST problem -- Author Attribution of Literary Texts in Polish by the Sequence Averaging -- Bioinformatics, Biometrics and Medical Applications -- Prediction of Protein Molecular Functions Using Transformers -- Dynamic signature verification using selected regions.

Sommario/riassunto

The two-volume set LNAI 13588 and 13589 constitutes the refereed post-conference proceedings of the 21st International Conference on Artificial Intelligence and Soft Computing, ICAISC 2022, held in Zakopane, Poland, during June 19–23, 2022. The 69 revised full papers presented in these proceedings were carefully reviewed and selected from 161 submissions. The papers are organized in the following topical sections: Volume I: Neural networks and their applications; fuzzy systems and their applications; evolutionary algorithms and their applications; pattern classification; artificial intelligence in modeling and simulation. Volume II: Computer vision, image and speech analysis; data mining; various problems of artificial intelligence; bioinformatics, biometrics and medical applications.
