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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1643
Disciplina	215
Soggetti	Application software Artificial intelligence Software engineering Computer vision Computer and Information Systems Applications Artificial Intelligence Software Engineering Computer Vision
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Artificial Intelligence -- A genetic algorithm for scheduling laboratory rooms: A case study -- COVID-19 Article Classification using Word-Embedding and Different Variants of Deep-Learning Approach -- Crop classification using Deep Learning: A quick comparative study of modern approaches -- Internet of Things (IoT) for Secure and Sustainable Healthcare Intelligence: Analysis and Challenges -- Multiple Colour Detection of RGB Images using Machine Learning Algorithm -- Neural model-based similarity prediction for compounds with unknown structures -- Data Analysis -- Classifying Incoming Customer Messages for an E-Commerce Site using Supervised Learning -- Comparison of Machine Learning Models for Predicting Rainfall in Tropical Regions: The Colombian Case -- Deep Mining Covid-19

Literature -- Keyword-based Processing for Assessing Short Answers in the Educational Field -- Statistical Characterization of Image Intensities in Regions Inside Arteries to Facilitate the Extraction of Center Lines in Atherosclerosis Frameworks -- Text Encryption with Advanced Encryption Standard (AES) for Near Field Communication (NFC) using Huffman Compression -- Decision Systems -- A systematic review on phishing detection: A perspective beyond a high accuracy in phishing detection -- Application of Duality Properties of Renyi Entropy for Parameter Tuning in an Unsupervised Machine Learning Task -- Preliminary Study for Impact of Social Media Networks on Traffic Prediction -- Website Phishing Detection Using Machine Learning Classification Algorithms -- Health Care Information Systems -- AESRSA: A New Cryptography Key for Electronic Health Record Security -- Detection of COVID-19 Using Denoising Autoencoders and Gabor Filters -- Development of Mobile Applications to Save Lives on Catastrophic Situations -- Internet of Things with Wearable Devices and Artificial Intelligence for Elderly Uninterrupted Healthcare Monitoring Systems -- ICT-Enabled Social Innovation -- A Wayuunaiki Translator to Promote Ethno-tourism using Deep Learning Approaches -- Rating the acquisition of pre-writing skills in children: an analysis based on computer vision and data mining techniques in the Ecuadorian context -- Study techniques: procedure to promote the comprehension of texts in university students -- TPACK and Toondoo Digital Storytelling tool transform Teaching and Learning -- Image Processing -- Fully Automated Lumen Segmentation Method and BVS Stent Struts Detection in OCT images -- Predictive Modeling Toward the Design of a Forensic Decision Support System using Cheiloscopy for Identification from Lip Prints -- Robotic Autonomy -- Automotive industry applications based on Industrial Internet of Things (IIoT). A review -- Implementation of an IoT Architecture for Automated Garbage Segregation -- Software Architectures -- Architecture on Knowledge Management Systems: its presence in the academic literature -- Software Design Engineering -- Automatic Location and Suppression of Calcifications and Atheromas by Gradient Change in the Pattern of Intensities Inside the Carotid Artery -- Introducing Planet-Saving Strategies to Measure, Control, and Mitigate Greenhouse Gas Emissions and Water Misuse in Household Residences.-Team Productivity in Agile Software Development: A Systematic Mapping Study.

Sommario/riassunto

This book constitutes the proceedings of the 5th International Conference on Applied Informatics, ICAI 2022, which took place in Arequipa, Peru, in October 2022. The 32 papers presented in this volume were carefully reviewed and selected from 90 submissions. The contributions are divided into the following thematic blocks: Artificial Intelligence; Data Analysis; Decision Systems; Health Care Information Systems; ICT-Enabled Social Innovation; Image Processing; Robotic Autonomy; Software Architectures; Software Design Engineering.
