1. Record Nr. UNISA996558570703316

Autore	Maldonado-Mahauad Jorge
Titolo	Information and Communication Technologies [[electronic resource]] : 11th Ecuadorian Conference, TICEC 2023, Cuenca, Ecuador, October 18–20, 2023, Proceedings / / edited by Jorge Maldonado-Mahauad, Jorge Herrera-Tapia, Jorge Luis Zambrano-Martínez, Santiago Berrezueta
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-45438-3
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (495 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1885
Altri autori (Persone)	Herrera-TapiaJorge Zambrano-MartínezJorge Luis BerrezuetaSantiago
Disciplina	004.6
Soggetti	Computer networks Data structures (Computer science) Information theory Software engineering Operating systems (Computers) Artificial intelligence Computers, Special purpose Computer Communication Networks Data Structures and Information Theory Software Engineering Operating Systems Artificial Intelligence Special Purpose and Application-Based Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Data Science and Machine Learning: Uncovering the Effects of the Russia-Ukraine Conflict on Cryptocurrencies: A Data-driven Analysis with Clustering and Biplot Techniques -- Human Trafficking in Social Networks: A Review of Machine Learning Techniques -- Exploring the

Performance of Deep Learning in High-Energy Physics -- Human actions recognition system based on Neural Networks -- Big Data Architecture for Air Pollution Spatial Visualization: Quito, Ecuador -- The Role of Twitter in Media Coverage during Humanitarian Crises. Data mining from International News Agencies -- Applied Metaheuristics in International Trading: A Systematic Review -- Finding an Integrated Ultraviolet Radiation Index Using Fuzzy Logic Techniques -- Forecasting the Consumer Price Index of Ecuador using Classical and Advanced Time Series Models -- Forecasting PM2.5 concentrations in ambient air using a transformer based neural network -- Machine Learning Applied to the Analysis of Glacier Masses -- Profit vs Accuracy: Balancing the Impact on Users Introduced by Profit-Aware Recommender Systems -- Augmenting Data with DCGANs to Improve Skin Lesions Classification -- Unraveling the power of 4D residual blocks and transfer learning in violence detection -- ICTs and their Applications: Brainwaves communication system for people with reduced mobility and verbal impairment -- Advanced metrics to evaluate autistic children's attention and emotions from facial characteristics using a human-robot-game interface -- Performance analysis of You Only Look Once, RetinaNet, and Single Shot Detector applied to vehicle detection and counting -- Tumor kidney segmentation from CT images using residual U-net architecture -- Classification of Alzheimer disease’s Severity Using Support Vector Machine and Deep Feature Extraction of Convolutional Neural Networks: a Contrasting of Methodologies -- Creation of an alert device for early detection of epilepsy using an EEG signal power threshold -- Optimal location of the electric vehicle charging stands using multi-objective evolutionary algorithms: Cuenca city as a case study -- Detecting Parkinson’s Disease with Convolutional Neural Networks: Voice Analysis and Deep Learning -- Hyperparameter Tuning in a Dual Channel U-Net for Medical Image Segmentation -- Vitreous Hemorrhage Segmentation in Fundus Images by using an Efficient-UNet Network -- A non-invasive portable solution to estimate hemoglobin levels in the blood -- Mask R-CNN and YOLOv8 comparison to perform tomato maturity recognition task -- Software Development -- Development of a distributed hydrological model of continuous generation, in a GIS environment -- A Domain-Specific Language and Model-Based Engine for Implementing IoT Dash- board Web Applications -- Feasibility of using serious MIDI-AM videogames as resources in early childhood education -- Search and Visualization of Researcher Networks: Co-authorship in Ecuador -- Visualization Models Applied to Atmospheric Pollutants and Meteorological Variables: A Systematic Literature Review.

Sommario/riassunto

This book constitutes the proceedings of the 11th Ecuadorian Conference on Information and Communication Technologies, TICEC 2023, held in Cuenca, Ecuador, during October 18–20, 2023. The 31 full papers presented were carefully reviewed and selected from 120 submissions. The papers cover a great variety of topics, such as internet of things, cyber-physical systems, human-machine interface, artificial Intelligence, e-Learning, smart healthcare, smart healthcare and others. The papers are organized in the following topical sections: data science and machine learning; ICTs and their applications; and software development.