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Altri autori (Persone)	VallejoPaola SuarezBiviana SuarezMarco RuizOscar AguilarJose
Disciplina	005.1
Soggetti	Software engineering Computer engineering Computer networks Artificial intelligence Computers, Special purpose Software Engineering Computer Engineering and Networks Artificial Intelligence Computer Communication Networks Special Purpose and Application-Based Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Machine Learning based Plant Disease Detection using EfficientNet B7 -- Land Cover Classification Using Remote Sensing and Supervised Convolutional Neural Networks -- Fusion of optical and radar data by aggregation into a single feature space for LULC classification -- Computer room failure reporting system for a Higher Education Institution -- Recent Advances in Machine Learning for Differential

Cryptanalysis -- Addressing the Diet Problem with Constraint Programming Enhanced with Machine Learning -- Assessing ChatGPT's Proficiency in CS1-Level Problem Solving -- Clean Architecture: Impacto en el rendimiento y mantenibilidad de proyectos de Android nativos -- Evaluation of AI techniques to implement proactive container auto-scaling strategies -- Teaching strategy for enabling technologies of Industry 4.0 to high school students -- Automatic translation of text and audio to Colombian Sign Language -- Movement in video classification using structured data: Workout videos application -- Planning Navigation Routes in Unknown Environments -- Integration of Cyber-Physical System and Digital Twin for Controlling a Robotic Manipulator: An Industry 4.0 Approach -- Declarative Visual Programming with Invariant, Pre- and Post-conditions for Lattice Approximation of 3D Models -- Using Open Data for Training Deep Learning Models: A waste identification case study -- Instructional strategies for performance improvement in algebra: A systematic mapping -- Model for Fruit Tree Classification through Aerial Images -- Change Point Detection for Time Dependent Counts Using Extended MDL and Genetic Algorithms -- An Exploration of Genetic Algorithms Operators for the Detection of Multiple Change-points of Exceedances using Non-Homogeneous Poisson Processes and Bayesian Methods -- Synthetic Hyperspectral Data for Avocado Maturity Classification -- Fuzzy Model for Risk Characterization in Avocado Crops for Index Insurance Configuration -- Safety Verification of the Raft Leader Election Algorithm using Athena -- Modeling Detecting Plant Diseases in Precision Agriculture: A NDVI Analysis for Early and Accurate Diagnosis -- Towards the construction of an emotion analysis model in university students using images taken in classrooms -- Cloud-native architecture for distributed systems that facilitates integration with AIOps platforms -- Comparing Three Agent-Based Models Implementations of Vector-Borne Disease Transmission Dynamics -- Towards a Predictive Model that supports the achievement of more assertive commercial KPIs Case: Wood Trading Company -- BDI Peasants Model for the WellProdSim Agent-based Social Simulator -- Discovering Key Aspects to Reduce Employee Turnover using a Predictive Model -- Findby: An Application for Accessibility and Inclusive Exploration -- Tracing the visual path: Gaze direction in the 360 video experience -- Using Virtual Reality to Detect Memory Loss: An Exploratory Study. .

Sommario/riassunto

This book constitutes revised selected papers from the refereed proceedings of the 17th Colombian Conference on Computing on Advances in Computing, CCC 2023, held in Medellin, Colombia, during August 10–11, 2023. The 22 full papers and 11 short papers included in this book were carefully reviewed and selected from 68 submissions. They were organized in topical sections as follows: Industrial Applications - Industry 4.0 - Precision Agriculture, Artificial Intelligence, Distributed systems and large-scale computing, Computational Statistics, Digital Learning - E-learning, Software Engineering, Human Machine Interaction, Image processing and Computer Vision, Robotics in Industry 4.0 and Scientific Applications.
