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Soggetti	Computational intelligence Software engineering Computer networks Artificial intelligence Computers, Special purpose Computational Intelligence Software Engineering Computer Communication Networks Artificial Intelligence Special Purpose and Application-Based Systems
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	-- Data, information and knowledge. -- Comparing Regression Models with enhanced Interpretability for Wind Speed Forecasting in La Guajira-Colombia. -- Towards a closer patient-caregiver relationship by wearable and ambient assisted living design. -- Influence of functional capacity in the living space (LS) in elders in small towns in the Colombian Andes: An analysis of the association between SPPB and LS. -- Digital divide analysis in Colombia and Mexico using complex networks and open data platforms. -- Evaluating pre-attentive perception of visibility graphs for representing ECG signals. -- System for self-care support of inpatient and/or home care patients by

monitoring vital signs with an IoT-self- adaptive prototype: a systematic study. -- Parkinson Disease Rehabilitation Routines Described as Robot Instructions for PARKIBIP. -- ICT for education and e-Learning. -- Educational Strategies and Tools Based on AI: A Systematic Mapping for the Personalization of Learning. -- Trends in Adaptive Graphical User Interfaces in Moodle LMS Systems through Artificial Intelligence techniques. -- GAMITIC- ICT Literacy Tool for Teachers in Vulnerable Zones. -- Computational Thinking (CT) Measurement Model based on Bloom's Taxonomy and the GQM model. -- Enhancing Vocational Guidance with Machine Learning: Predicting STEM Career Viability for High School Students. -- Student attrition in higher education: A systematic mapping of causes and retention strategies. -- Case study: Design of a training strategy to improve learning outcomes through the development of integrative projects. -- Data Generation Strategies for the Application of Adaptive Learning Analytics. -- Reference Model of Appropriation of Digital Technologies for Learning in Higher Education Institutions. -- Esmeralda: Support for Early Detection and Initial Attention to Dyslexia in First Grade Students through the Development of Digital Educational Resources. -- Women in STEAM through the Lens of an Immersive-based Storytelling Design. -- Industry 4.0 and digital transformation. -- Evaluating Motivation for initiating a Digital Transformation Process in MSMEs. -- Analysis of Ipv6 Adoption in The Last Seven Years: A Systematic Mapping. -- Advanced Traffic Differentiation in LoRaWAN IIoT Networks through Contention Window Strategies. -- Lightweight and Interpretable DL Model Using Convolutional RFF for AMC. -- Model Driven Engineering tool for the generation of interoperable smart contracts. -- Development of a Robotic UV-C Device as an Alternative to Chemical Disinfection. -- An Analysis of Technological Applications in Community Policing and Their Performance Assessment Through A Systematic Review. -- Software engineering and automation. -- Implementation of a Process Optimization Methodology using Aspen Plus and Python. -- Revisi3n Sistem3tica de Literatura sobre Automatizaci3n del Proceso Software. -- Estudia: A Recommendation System for Higher Education Career Choice. -- Mining of repositories to understand productivity in remote work environments. -- A Cloud-Agnostic Infrastructure Provisioning Approach for Scalable Microservices Architectures. -- MiMoQ: A System for Experimentation of Microservice-Based Applications.

Sommario/riassunto

This two-volume set CCIS 2208-2209 constitutes revised selected papers from the refereed proceedings of the 18th Colombian Congress on Computing, CCC 2024, held in Manizales, Colombia, during September 4-6, 2024. The 50 full papers and 5 short papers included in this book were carefully reviewed and selected from 124 submissions. They were organized in topical sections as follows: Artificial Intelligence; Pattern recognition and computer vision; Computational statistics and formal methods; Cyber security and information security; Data, information and knowledge; ICT for education and e-Learning; Industry 4.0 and digital transformation; Software engineering and automation.