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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2212
Disciplina	006.3
Soggetti	Artificial intelligence Computer science - Mathematics Computers, Special purpose Algorithms Education - Data processing Artificial Intelligence Mathematics of Computing Special Purpose and Application-Based Systems Design and Analysis of Algorithms Computers and Education
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	On Using Deep Learning for Automatic Classification System of Microseisms at Cotopaxi Volcano -- Real Time Monitoring of Solar Photovoltaic Power Plants: A Concentrated Validation Study -- Performance tests of LLMs in the context of answers on Industry 4.0 -- Optimal Integration of PV Sources and D STATCOMs in Unbalanced Distribution Networks to Minimize Energy Losses A Master Slave Optimization Approach -- Duolingo evolution: From automation to Artificial Intelligence -- Hybrid SCA IPOPT Approach for the Optimal Location and Sizing of TSCs in Medium Voltage Distribution Networks -- Recognizing Overarching Themes and Actors in Peacebuilding: A Longitudinal Analysis of Press Content in Latin America -- A

Comparative Study of Nonlinear PI and PI PBC Control Strategies for Single-Phase PWM CSC Using Adaptive Load Estimation -- A Linear Algebra Based Controller for an Autonomous Ground Vehicle
Commissioning and Testing -- Using Machine and Deep Transfer Learning for Classification of EEG Signals from Embodied and Non embodied Priming in a Motor Imagery Training in Virtual Reality -- Solar Irradiance Forecasting based on Neural Networks for Sequential Data Analysis.

Sommario/riassunto

This book CCIS 2212 constitutes the referred proceedings of the 7th IEEE Colombian Conference on Applications of Computational Intelligence, ColCACI 2024, held in Pamplona, Colombia, during July 17–19, 2024. The 11 full papers were carefully reviewed and selected from 35 submissions. They explore various topics in the area of computational intelligence (CI), such as solar and photovoltaic forecasting, microseismical signal analysis, LLM performance analysis, evolution in translate systems, recognition of actors and peacebuilding, control in autonomous vehicles, and electroencephalography signals analysis.
