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Soggetti	Computer engineering Computer networks Application software Image processing - Digital techniques Computer vision Software engineering Computer Engineering and Networks Computer and Information Systems Applications Computer Imaging, Vision, Pattern Recognition and Graphics Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Computing Solutions. -- Immersive Virtual Reality with Haptic Feedback for Software Evaluation Skills. -- Modeling of Spheres and Tori of Revolution Using NURBS Surfaces in Python. -- From Image to Code: An Automated Approach to Programming from Visual Interfaces. -- CodePlay: A Gamification-based Approach to Improving Programming Skills. -- Empowering Mental Health Support in Panama: A Web Application. -- Optimizing Surgical Schedules: A Comparative Performance Analysis of Genetic Algorithms and Discrete Particle Swarm Optimization. -- Acceptance and Use of IoT-Based Healthcare

Services in Vietnam. -- Automated Decision Making in the Public Sector. -- Gamification Methodologies and their Technological Application in Higher Education: a Systematic Literature Review. -- HDMP: A Heuristic-Driven Memoization Process for Efficient Minimum Information Partition calculation in IIT. -- Lingualy App: An AI-Driven Mobile Solution for Enhancing Professional English Writing Skills. -- Design and Implementation of an Expert System for Academic Tutoring in Mathematics Using SWI-Prolog. -- Influence of Visual Stimulus on the Electromyographic Reflex Response to Anteroposterior Trunk Destabilization in Subjects with Hemiparesis and Spastic Diplegia. -- Real-Time Detection of Nervous Behaviours Using Kinect Sensors and Supervised Learning. -- CAMS-F-Edge: A Context-Aware Framework for Edge-Enabled Mobile Applications in Low-Connectivity Environments. -- Breathe and Relax: An Alexa-Based Voice Intervention for Stress Reduction and Emotional Well-being. -- Digital Technologies and Pig Traceability in Rural Areas: Design of the PORKAVANS Web Platform for Food Management. -- Conicoids as Geometric Loci: A Visual and Exploratory Approach for Educational and Computational Contexts. -- Implementing Adaptive Learning in Moodle with Artificial Intelligence. -- Comparative Evaluation of Similarity-Based Prioritization Techniques in Search-Based Test Case Generation for Software Product Lines. -- Prototype of an Emergency Mobile Communication System for Areas with Limited Coverage Using UAV. -- MakiShell: Voice Interface with Neural Networks for Controlling a Hand rehabilitation Exoskeleton with Hemiparesis. -- An Exact Method for Optimal Inventory Management of Perishable Multi-Item Systems with Backorders. -- Recognition and Visualization of Curves in E3: A Didactic Proposal with Computational Support and Student-Constructed Examples. -- Integration of Computational Fluid Dynamics in the Teaching of Electromechanical Engineering: An Approach to Improve Theoretical-Practical Learning. -- Symbolic Immersion and Visualization of the 5D Hypercylinder via Computational Geometry. -- Design Proposal of an Open-source Business Intelligence Tool for the Tomato Production Industry. -- A Voice-Controlled Robotic System Using ChatGPT for Intuitive Human-Robot Interaction. -- Analysis of the Design of an MPLS Network for Convergent Systems in IoT, VoD, and VoIP.

Sommario/riassunto

This three-volume set constitutes the revised selected papers from the 5th International Conference on Advanced Research in Technologies, Information, Innovation and Sustainability 2025, ARTIIS 2025, held in Cartagena de Indias, Colombia, during October 21–23, 2025. The 91 full papers and 10 short papers included in these proceedings were carefully reviewed and selected from 266 submissions. These papers were categorized under the following topical sections: Part I: Computing Solutions. Part II: Data Intelligence. Part III: Sustainability; Ethics, Security, and Privacy.
