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	Disciplina	004
	Soggetti	Application software Artificial intelligence Software engineering Operating systems (Computers) Image processing - Digital techniques Computer vision Computer and Information Systems Applications Artificial Intelligence Software Engineering Operating Systems Computer Imaging, Vision, Pattern Recognition and Graphics
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	Nota di contenuto	-- Health Care Information Systems. -- Clustering-based Health Indicators for Health-related Quality of Life. -- Development of a Software Prototype for Assisting People with Quadriplegia: An Approach Based on Interface Analysis and Computer Vision. -- Interdisciplinary Information Studies. -- Analyzing emotional and attentional responses to promotional images using a remote eye-tracker device and face-reading techniques. -- Effect of Early Intervention on Students in a CS1 Programming Course. -- Impact of face inversion on eye-tracking data quality: a study using the Tobii T-120. -- Implementation of the ISP (In

System Programming) method for data recovery on mobile devices. -- Test and validation of a corn grain cleaning and sorting machine with smart system integration for agricultural production in Cabanaconde – Peru. -- Learning Management Systems. -- Aids to Navigation: Learning resource in seafaring practices and contribution to the safety of vessels in the Province of Santa Elena. -- RasPatient Pi: A Low-cost Customizable LLM-based Virtual Standardized Patient Simulator. -- User Experience Insights from a Virtual Reality Application for Second Language Learners. -- Natural Language Processing. -- Developing Nigeria Multilingual Languages Speech Datasets for Antenatal Orientation. -- Social and Behavioral Applications. -- Development of a Portable Educational Mechatronic Device to Improve Attention and Memory in Children with Attention Deficit Hyperactivity Disorder (ADHD) from the Age of Three – Nubox. -- Emotions, Attitudes, and Challenges in the Perception of Artificial Intelligence in Social Research. -- Towards an Academic Social Network to Support Students Decision Making Processes. -- Software and Systems Modeling. -- Design of a functional block for testing analog and mixed-signal integrated circuits. -- Software Architectures. -- A Study of Software Architects' Cognitive Approaches: Kolb's Learning Styles Inventory in Action. -- Implementing Free TLS Certificates for Virtual Services: An Experimental Approach in Proxmox VE. -- NOTORIOUS: agNOsTic sOftware aRchItecture fOr aUtomated diagnoSis for GPONs. -- Performance Analysis of MIMO-OFDM Systems in 5G Wireless Networks.

| Sommario/riassunto | The two-volume set CCIS 2236 and 2237 constitutes the refereed proceedings of the 7th International Conference on Applied Informatics, ICAI 2024, held in Vina del Mar, Chile, during October 24–26, 2024. The 39 full papers presented in these proceedings were carefully reviewed and selected from 123 submissions. The papers were organized in the following topical sections: Part I - Artificial Intelligence; Bioinformatics; Cloud Computing; Data Analysis; Decision Systems; and Game Development. Part II - Health Care Information Systems; Interdisciplinary Information Studies; Learning Management Systems; Natural Language Processing; Social and Behavioral Applications; Software and Systems Modeling; and Software Architectures. |