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Soggetti	Computer systems Computer networks Computers, Special purpose Software engineering Operating systems (Computers) Computer System Implementation Computer Communication Networks Special Purpose and Application-Based Systems Software Engineering Operating Systems
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Nota di contenuto	Intelligent Systems and Security -- An Analysis of Key Tools for Detecting Cross-Site Scripting Attacks on Web-Based Systems -- Characterization of malicious URLs using Machine Learning and Feature Engineering -- Distracker: An Intelligent Assistant for Real-Time Distracted Driving Detection and Mitigation -- InSightHub: Intelligent Notification and Status Indicator for Streamlined Work-from-Home Environments -- Modern Detection Techniques of False Data Injection Attacks in V2X Communication: A Critical Analysis -- Enhancing Home Security with Pressure Mat Sensors A Multi-Modal IoT Approach -- Blockchain and Machine Learning Algorithms -- Blockchain based mobile-patient medical records management system -- A

Mobile/Tablet app-based Patient Records Management System using Blockchain Comparative performance evaluation of random forest, extreme gradient boosting and linear regression algorithms.-using Nigeria's gross domestic products.-XGBoost Algorithm to predict a patient's risk of stroke -- On the use of Machine Learning technique to appraise thermal properties of novel earthen composite for sustainable housing in Sub-Saharan Africa -- Sustainable Technologies and Environmental Impact.-Solar Energy in Africa-an Overview, with a focus on Egypt.-Projected hydroclimate changes of over Senegal (West Africa) .-Cotton plant pests and phenology knowledge management in Côte d'Ivoire using Semantic Web Technologies.-Microbial fuel cell for the recovery of sludge from the treatment of effluents by electrocoagulation.-AMETHYST: Advanced Microbial Eradication Through High-intensity Yielding Sterilization Technology – A Multipurpose Decontamination Chamber using 405nm HINS Light -- Digital Learning and Social Adoption.-Covid-19 Contact Tracing Application Adoption: A Technology Readiness Model Perspective.-Secondary school teachers' adoption of e-learning platforms in post Covid-19: A Unified Theory of Acceptance and Use of Technology (UTAUT) perspective -- Prof Pi: Using Whatsapp Bots and GPT-4 for Tutoring.-Mathematics in Underserved Areas.-VITAL: Virtual Interactive Telegram Assisted Law clinic.-Networking Technology for Social Impact.-Assessing data protection perspectives among the residents of Rumphi and Karonga in Northern Malawi regarding the use of Unmanned Aerial Vehicles (drones) for humanitarian intervention.- Study of the Rewiring Factor in an Unstructured P2P.-Networked Micro-Services: Empowering Local Micro Enterprises in a South African Township through Community -- Wireless Networks(CWNs) -- Fundamental limitations in high speed and low cost architecture Free Space Optical (FSO) networks for rural populations -- F4PW: Fog Computer For Pregnant Women.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the 6th EAI International Conference on Innovations and Interdisciplinary Solutions for Underserved Areas, InterSol 2023, held in Flic en Flac, Mauritius, in September 16-17, 2023. The 25 papers presented were selected from 73 submissions and issue different problems in underserved and unserved areas. They face problems in almost all sectors such as energy, water, communication, climate change, food, education, transportation, social development, and economic growth. The papers are clustered in tracks as follows: Intelligent Systems and Security; Blockchain and Machine Learning Algorithms; Sustainable Technologies and Environmental Impact; Digital Learning and Social Adoption; Networking Technology for Social Impact.