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	Nota di contenuto	-- Energy and Environment. -- Study of the impact of solar pumping solutions on agricultural production in Senegal: the case of small farms in the Niayes area (Thiès region). -- Public Participation in Municipal Solid Waste Management: A Mobile Persuasive App. -- A Risk-based Pedestrian Crossing Decision Model for Traffic Simulation in African Urban Traffic. -- Modelling and optimization of the electrical parameters of an InxGa1-xN solar cell under dynamic frequency illumination. -- Assessment of pavement damage caused by speed bumps along Nyanya - Jikwoyi road Abuja. -- Analyzing water's characteristics health impact with classification algorithms. -- Information Technology. -- A Optimizing coverage in a Wireless

Sensor Network by selecting the best sensors. -- Towards a Single-Sign-On authentication architecture based on OpenID Connect protocol and blockchain technology. -- An experimental 5G Standalone testbed for rural connectivity. -- An application of the Hough transform with convolutional neural networks to detect straight lines. -- A Slotted Random Access algorithm for efficient transmission in White area: case of artisanal fishing in West Africa. -- A New Delay History Predictor for Multi-skill Call Center. -- Retrieving Data from Social Network Platforms: A State-of-art Review. -- Strabismus Diagnosis and Angular Deviation Calculation Based on Artificial Intelligence Approaches: A Review. -- Towards the implementation of a dynamic IDS for IoT: Anomaly detection in MQTT traffic. -- ICT Enabler. -- Straight-Line Recognition in a Virtual Hexagonal Grid using Hough Transform. -- Predicting aflatoxin contamination rates in the white maize value chain. -- The Impact of Agents Heterogeneous in Call Center Performance Measures. -- Towards a mobile, intelligent, personalized and adaptive e learning system considering learners' context in seminomadic and conflict zones. -- Comparative study of machine learning models for the detection of abusive messages: case of Wolof-French codes mixing data. -- Towards an ontology-based platform for integrating infectious disease simulation models. -- AI-Based control approach of .SN Reserved Domain Names (aIDN.SN). -- Efficient combination of Deep Learning models for skin disease detection. -- Agricultural and land management using AI: a case study of rice plot identification in Senegal. -- Beqi: Revitalize the Senegalese Wolof Language with a Robust Spelling Corrector. -- Important Predictors for Covid-19 Vaccine Hesitation. . -- Ensemble machine learning methods to predict oil production. -- AI-powered Corn Disease classification using Deep Transfer Learning.

| Sommario/riassunto | This book constitutes the refereed post-conference proceedings of the 7th EAI International Conference on Innovations and Interdisciplinary Solutions for Underserved Areas, InterSol 2024, held in Dakar, Senegal, during July 3–4, 2024. The 29 full papers included in this book were carefully reviewed and selected from 134 submissions. They are classified under the following headings: Energy, Computing, Electronics, Social Sciences, Telecoms, Networks, Health, and Water. |