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Soggetti	Computer networks Electronic digital computers - Evaluation Computer systems Computers, Special purpose Software engineering Computer Communication Networks System Performance and Evaluation Computer System Implementation Special Purpose and Application-Based Systems Software Engineering
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Nota di contenuto	-- IoT, Artificial Intelligence, Edge Computing. -- Comparison of YOLO Power Usage on Edge-AI Device with Smartmeter. -- Energy-Efficient YOLO with Knowledge Distillation and Dynamic Energy Control for Edge Devices. -- A New Time-series Anomaly Detection Model in CAVs Based on WGAN. -- Using Deep Learning Recognition to Aid Early Diagnosis and Rehabilitation of Senior Aphasia Care. -- Computing Task Offloading and Processing for Power Internet of Things in Remote Areas. -- Copyright Risk Analysis and Mitigation Strategies for AI-Generated Content (AIGC) Works. -- Wireless Sensor Network, Mobile Robot, Smart Manufacturing. -- Increasing the QoS and Lifespan in Wireless Sensor Networks using Cluster Formation and Mobile Sink (IQLWS-MC). -- Office Energy Consumption Decision Support System

Based on Microservices. -- Toward Semantic Scene Understanding: Benchmarking for Mobile Robot Navigation Indoors. -- A Utilization Method of Big Data in Blockchain Based on Swarm Learning. -- Anomaly Detection Mechanism for Manufacturing Defects. -- Optimal Bounded Error Piecewise Linear Approximation with Resolution Reduction for Sensor Data Compression. -- Protocol, Algorithm, Services and Applications. -- Pathway to Refine the Informed Consent Rules for Data Collection in the Context of IoT. -- Reflection and Correction of the Data Portability Mechanism of the Internet of Things from the Perspective of Interest Balance. -- Integrating Tabular Data and Satellite Imagery for House Price Prediction with Explainable Techniques. -- Predicting Cardiovascular Disease Risk through Non-Invasive Imaging in Precision Medicine. -- Warehouse Receipt Financing Governance Optimization Based on the Blockchain. -- A Research on Improvement of Blockchain-based Corporate Governance. -- Optimization of Corporate Governance from the Perspectives of Law and Economics and Blockchain.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 8th EAI International Conference on Smart Grid and Internet of Things, SGIoT 2024, held in Taichung, Taiwan, during November 23–24, 2024. The 19 full papers included in this book were carefully reviewed and selected from 45 submissions. They were organized in topical sections as follows: IoT, Artificial Intelligence, Edge Computing; Wireless Sensor Network, Mobile Robot, Smart Manufacturing; and Protocol, Algorithm, Services and Applications.

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