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Nota di contenuto   IoT, Communication Security, Data Mining and Big Data -- Study on Anomaly classifier with domain adaptation -- Research on Federated Sharing Methods for Massive Data in Blockchain -- Utilizing Wearable Devices to Assess the Level of Fatigue System -- Task Offloading Method for Industrial Internet of Things (IIoT) Targeting Computational Resource Management -- Research on vehicle networking resource management based on trust model in intersection scene -- Rule Generation for Network Intrusion Detection Systems Based on Packets-to-Video Transformation -- WLAN, Wireless Internet & 5G -- Enhancing UORA for IEEE 802.11be -- A novel hierarchical federated edge learning framework in satellite-terrestrial assisted networks -- Cell Clusters and Their Networks for Emerging Applications -- Protocol, Algorithm,

Services and Applications -- Cluster-based Optimization Method for Delivery Networks -- A Hybrid Deep Learning Approach for Early Detection of Chronic Obstructive Pulmonary Disease -- Predicting Teaching Effectiveness base on Technology Integrated Language Learning -- Complex Industrial Machinery Health Diagnosis Challenges and Strategies -- Utilizing Skip-Gram for Restaurant Vector Creation and Its Application in the Selection of Ideal Restaurant Locations -- Load Balancing Algorithm in a Software-Defined Network Environment with Round Robin and Least Connections.

Sommario/riassunto	This book constitutes the refereed proceedings of the 7th EAI International Conference on Smart Grid and Internet of Things, SGIoT 2023, held in TaiChung, Taiwan, in November 18-19, 2023 The 15 regular papers presented were carefully reviewed and selected from 38 submissions. The papers are organized in subject areas as follows: IoT, communication security, data mining and big data; WLAN, wireless internet and 5G; protocol, algorithm, services and applications. .