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Enabled Ad Hoc IoT Networks -- Ensemble Machine Learning-Based Test Smell Prediction -- Dynamic Mobility Management in Fog Computing Architecture for IoT Applications -- FedFace: A Privacy-Preserving Self-Supervised Multi-task Federated Face Recognition System -- Performance of Modified Fractional Frequency Reuse Algorithm in Random Ultra Dense Networks -- Toward Robust Potato Leaf Disease Identification: Optimizing Performance via Comparative Feature Selection -- Environmental Performance of UAV Deployment in Rice-Based Agroecosystems: A Systematic Review.
Lightweight CNN-Based Semantic Communication for Image Analysis -- Spectral Clustering for User-Item Graph Partitioning
in Recommendation Systems -- Evaluating Sub-THz Hardware Impairments on 6G Waveforms Using various Modulation Techniques -- Hybrid CBLANet: An Efficient Framework for Stock Price Prediction -- Performance Evaluation of Tracking Filters for UAV Positioning Using 5G Signals in Urban Air Mobility Environments -- A Hybrid Autoencoder-Machine Learning Approach for Improved Orange Quality Assessment -- A Comparative Analysis of Clustering Algorithms for Speaker Diarization -- Reducing Real-World Sampling Time by Using Generative AI Agents for Synthesizing Data in IoT Anomaly Detection.

Sommario/riassunto

This book aims to provide state-of-the-art knowledge in the field of Intelligence of Things to both academic and industrial readers.In particular, undergraduate, graduate, and researchers may find valuable information to drive their future research.