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Nota di contenuto	Optimal Beamforming for Multiuser Secure SWIPT Systems -- Logarithmic Spiral based Local Search in Artificial Bee Colony Algorithm -- Outage Performance Analysis of Energy Harvesting DF -- Cooperative NOMA Networks over Nakagami-m Fading Channels -- Multi-path Routing for Mission Critical Applications in Software-Defined Networks -- Natural Disaster and Environmental Threat Monitoring System: Design and Implementation -- Sport News Semantic Search with Natural Language Questions -- Smart City Total Transport-Managing System -- Shinobi: A Novel Approach for Context-Driven Testing (CDT) using Heuristics and Machine Learning for Web Applications -- DOA Estimation of Underwater Acoustic Signals Using Non-uniform Linear Arrays Performance Analysis of the Access Link of

Drone Base Station Networks with LoS/NLoS Transmissions -- Development of the Rules for Transformation of UML Sequence Diagrams into Queueing Petri Nets -- HHUSI: An Efficient Algorithm for Hiding Sensitive High Utility Itemsets -- Converting the Vietnamese Television News into 3D Sign Language animations for the deaf -- Outage Performance of the Downlink NOMA Relay Networks with RF Energy Harvesting and Buffer-Aided Relay -- Analyzing Seismic Signal Using Support Vector Machine for Vehicle Motion Detection -- Smart-IoUT 1.0: A Smart Aquatic Monitoring Network based on Internet of Underwater Things (IoUT) -- Wireless Power Transfer under Secure Communication with Multiple Antennas and Eavesdroppers -- Impact of Opportunistic Transmission on MCIK-OFDM: Diversity and Coding Gains -- An Improved Occlusion Detection with constraints Approach for Video Processing -- Development and Deployment of An IoT-based Reconfigurable System: A Case Study for Smart Garden -- Secure Cooperative Systems with Jamming and Unreliable Backhaul over Nakagami-m Fading Channels -- Outage Probability of Cognitive Heterogeneous Networks with Multiple Primary Users and Unreliable Backhaul Connections -- Impact of Direct Communications on the Performance of Cooperative Spectrum-Sharing with Two-Way Relays and Maximal Ratio Combining -- Energy Efficiency Maximization with Per-Antenna Power Constraints for Multicell Networks Using D.C. Programming -- Development of a Positioning Solution Using FUKS Based on RTS Smoother Combined with FUKF for Vehicle Management Systems -- Modeling Spatially-Correlated Cellular Networks by Using Inhomogeneous Poisson Point Processes.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 4th EAI International Conference on Industrial Networks and Intelligent Systems, INISCOM 2018, held in Da Nang, Vietnam, in August 2018. The 26 full papers were selected from 38 submissions and are organized thematically in tracks: Telecommunications Systems and Networks; Industrial Networks and Applications; Hardware and Software Design and Development; Information Processing and Data Analysis; Signal Processing; Security and Privacy.

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