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Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-8211 ; ; 246
Disciplina	004
	004.678
Soggetti	Computer communication systems
	Special purpose computers
	Application software
	User interfaces (Computer systems)
	Coding theory
	Information theory
	Computer security
	Computer Communication Networks
	Special Purpose and Application-Based Systems
	Information Systems Applications (incl. Internet)
	User Interfaces and Human Computer Interaction
	Coding and Information Theory
	Systems and Data Security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contention Window Size Adjustment in Unsaturated IEEE 802.11 WLANs -- Interoperability in Internet of Things Infrastructure: Classification, Challenges, and Future Work -- Orientation Training System for Elders with Dementia Using Internet of Things -- Demand-Based Radio Resource Allocation for Device-to-Device Communications: A Game Approach -- A Cooperative RBAC-Based IoTs Server with Trust

Evaluation Mechanism -- Home Healthcare Matching Service System Using IoT -- Medical Internet of Things and Legal issues regarding Cybersecurity -- Fuzzy-based protocol for secure remote diagnosis of IoT devices in 5G networks -- An overview of 802.21a-2012 and its incorporation into IoT-Fog networks using osmotic framework -- Loading Aware Green Power Control (LAGPC) for the Mitigation of Co-Tier Downlink Interference for Femtocell in the Future 5G Networks -- Analyzing Traffic Characteristics and Performance for LTE Uplink Resource Allocation -- Reusing Resource Blocks by Efficient Grouping for D2D in LTE Networks -- An IoT Platform for Smart Plant Care -- Dandelion Mirror: An Interactive Visual Design using IoTtalk -- Metaheuristic-based Scheme for Spectrum Resource Schedule over 5G IoT Network -- A Fuel-Efficient Route Plan App Based on Game Theory -- Personalized Mobile Learning System via Smart Glasses -- Retransmission-Based Access Class Barring for Machine Type Communications -- A Study on Online Corrosion Risk Perception Technology for Process Industry Safety IoTs Based on Demands of Assets Integrity Management -- A Machine Learning based PM2.5 Forecasting Framework using Internet of Environmental Things -- Improved Single Packet Traceback Scheme with Bloom Filters -- Using Nonverbal Information for Conversation Partners Inference by Wearable Devices -- Enabling Over-The-Air Provisioning for Wearable Devices -- Multiple User Activities Recognition in Smart Home -- D2D-Based Resource Saving and Throughput -- Enhancement for Massive Smart Devices in LTE eMBMS -- Intelligent Trashcan Applications Relying on Internet of Things Technologies -- A Local Customizable Gateway in General-Purpose IoT Framework -- Analysis of Maximum Depth of Wireless Sensor Network based on RPL and IEEE 802.15.4 -- Lightweight, Low-Rate Denial-of-Service Attack Prevention and Control Program for IoT Devices -- The Applications for IoT Sensor Bricks -- An optimized implementation of Speech Recognition combining GPU with Deep Belief Network for IoT -- An Adaptive Solution for Images Streaming in Vehicle Networks Using MQTT Protocol -- Development of Path Planning Approach Based on Improved A-star Algorithm in AGV System -- A self-administered healthcare warning mechanism based on Internet of Things -- IoT Service Provider Recommender Model using Trust Strength -- Research on the condition monitoring of transmission and transformation equipment based on improved support vector machine in the Internet of things -- A Dynamic Detection Point Frame Length Adjustment Method for RFID Anti-Collision -- Fault Diagnosis and Monitoring Device Design for the Electrical Life Test of Low Voltage Circuit Breaker Mainland China -- Sound-wave Transmission System in Mobile Device -- UE-group based Multi-beams Subchannel Assignment for mmWave Cellular Networks -- SVC based Multiple Access Protocol with QoS Guarantee for Next Generation WLAN -- Light-weight Global Feature for Mobile Clothing Search -- Spatial Clustering Group Based OFDMA Multiple Access Scheme for the Next Generation WLAN -- T-SCMA : Time Domain Sparse Code Multiple Access for Narrow Band Internet of Things (NB-IoT) -- Semi-granted Sparse Code Multiple Access (SCMA) for 5G Networks -- A Flow Network based Backhaul Path Planning Algorithm for mmWave Small Cell Networks.

| Sommario/riassunto | This book constitutes the thoroughly refereed proceedings of the 3rd International Conference on IoT as a service, IoTaaS 2017, held in Taichung, Taiwan, in September 2017. The 46 full papers were carefully selected from 65 submissions. The papers deal with the "Everything as a Service" deployment paradigm which enables the easy adoption of IoT based services and applications by end-users, and forces providers of |

smart objects and middleware platforms to architect their solutions accordingly. The three special sessions organized were Wearable Technology and Applications (WTAA), Building Smart Machine Applications (BSMA), and Security and Privacy in Internet of Things, Services and People (SP-IoTSP). The WTAA special session aimed to address the challenges of maintaining high efficiency of WTAA in terms of high recognition rate, energy consumption, computational costs and so forth. The BSMA special session aimed to explore how to construct smart machines architecture for the industry under the background of IoT and big data. The SP-IoTSP special session aimed to investigate recent research and future directions for IoTSP security and privacy.