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	Nota di contenuto	Spectrum Management and Channel Prediction -- On the Influence of Microscopic Mobility in Modelling Pedestrian Communication -- Low Profile CPW Fed Tri-Band Millimeter Wave Antenna Design for Future 5G Application -- Trading off Controlled System Energy and Wireless Communication Energy -- Statistical Moments of the Temporal Spectrum of Electromagnetic Waves in the Equatorial Ionosphere -- Resource Allocation in 5G/6G -- Towards Facilitating URLLC in UAV-Enabled MEC Systems for 6G Networks -- Resource Allocation and Power Control for Heterogeneous Cellular Network and D2D Communications -- Optimized Network Coding With Real-Time Loss Prediction for Hybrid 5G Networks -- TCP-RTA: Real-Time Topology Adaptiveness for Congestion Control in TCP -- Rio_DSA: Redirecting I/O Scheme for Dynamic Storage Allocation on Docker Container -- Internet of Things and Vehicular Communications -- VANET-Based Traffic Light Management for an Emergency Vehicle -- Deep Reinforcement Learning to Improve Vehicle-to-Vulnerable Road User Communications in C-V2X -- Pervasive Computing for Efficient Intra-UAV Connectivity: Based on Context-Awareness -- Road Accident Analysis of Dhaka City Using Counter Propagation Network -- Artificial Intelligence-Driven Communications -- Reinforcement Learning for

	Protocol Synthesis in Resource-Constrained Wireless Sensor and IoT Networks -- Distributional Reinforcement Learning for VoLTE Closed Loop Power Control in Indoor Small Cells -- Reinforcement Learning Aided Routing in Tactical Wireless Sensor Networks -- A Green and Scalable Clustering for Massive IoT Sensors with Selective Deactivation -- Pervasive Services and Cyber Security -- Threat Mitigation Model With Low False Alarm Rate Based on Hybrid Deep Belief Network -- On Feature Selection Algorithms for Effective Botnet Detection -- A Novel Hybrid Deep Learning Model for Crop Disease Detection Using BEGAN -- Multivariate Skewness and Kurtosis for Detecting Wormhole Attack in VANETs. .
Sommario/riassunto	This book constitutes the refereed proceedings of the 8th International Symposium, UNet 2022, held in Montreal, QC, Canada, during October 25–27, 2022. The 17 full papers included in this book were carefully reviewed and selected from 43 submissions. Moreover, 4 additional invited papers have been also considered. They were organized in topical sections as follows: Spectrum Management and Channel Prediction, Resource Allocation in 5G/6G, Internet of Things and Vehicular Communications, Artificial Intelligence-Driven Communications, Pervasive Services and Cyber Security.