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Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 223
Disciplina	004.685
Soggetti	Computer networks Application software Telecommunication Data protection Computers, Special purpose Computer simulation Computer Communication Networks Computer and Information Systems Applications Communications Engineering, Networks Data and Information Security Special Purpose and Application-Based Systems Computer Modelling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Doppler Effect in the Underwater Acoustic Ultra Low Frequency Band -- The Sound of Communication in Underwater Acoustic Sensor Networks -- Applying Utility Theory to Improve Autonomous Underwater Vehicle Mission Payload Planning and Replanning -- Challenges of Misbehavior Detection in Industrial Wireless Networks -- A New Look at an Old Attack: ARP spoofing to create routing loops in ad hoc networks -- Integrating Intrusion Response Funtionality into the MANET Specific Dynamic Intrusion Detection Hierarchy Architecture -- Source Mobility in Vehicular Named-Data Networking: An Overview -- Flow-level

Simulation for Adaptive Routing Protocols in Vehicular Ad-hoc Networks -- Control Overhead Reduction In Cluster-Based VANET Routing Protocol -- Ariel Networks and Routing -- A Hierarchical Framework for Estimating the Performance of an Aerial Network -- An Efficient Routing and Interface Assignment Algorithm for Multi-Channel Multi-Interface (MCMI) Ad Hoc Networks -- Exploiting Multiple Beam Antennas for End-to-End Delay Reduction in Ad Hoc Networks -- Trajectory and Buffer Aware Message Forwarding for Multiple Cooperating UAVs in Message Ferry Networks Cellular Networks, Sensor Networks -- Caching and Computing at the Edge for Mobile -- Augmented Reality and Virtual Reality (AR/VR) in 5G -- Evaluation of a Location Reporting System for mmWave Communication -- Fair Scheduling of Two-Hop Transmission with Energy Harvesting -- EEHCCP: An Energy-Efficient Hybrid Clustering Communication Protocol for Wireless Sensor Network -- A model for self-deployment of autonomous mobile sensor network in an unknown indoor environment.

Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International Conference on Ad Hoc Networks, AdHocNets 2017, held in Niagara Falls, Ontario, USA, in September 2017. The 19 full papers were selected from 30 submissions and cover a variety of network paradigms including mobile ad hoc networks (MANETs), sensor networks, vehicular networks, underwater networks, airborne networks, underground networks, personal area networks, device-to-device (D2D) communications in 5G cellular networks, and home networks. The papers present a wide range of applications in civilian, commercial, and military areas.
