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Nota di contenuto	Network Routing -- Analysis of Routing Attacks in FANET -- Context-Aware Routing and Forwarding Model for NDN-based VANET -- A Novel Adaptive Hello Mechanism based Geographic Routing Protocol for FANETs -- Network Security 4 Evaluation of Denial of Service Attacks in Software Defined-Cognitive Radio Networks -- The Evaluation of the Two Detection Algorithms for Distributed Denial of Service Attack -- Investigating the effectiveness of Spectrum Sensing Data Falsification Attacks Defense Mechanisms in Cognitive Radio Ad hoc Networks --

Active attack that exploits biometric similarity difference and basic countermeasures -- Network Protocols -- LEACH-S enhancement to ensure WSN stability -- M-ODD: A Standard Protocol for Reporting MANET Related Models, Simulations, and Findings -- Frame Design for Adaptability in Long-range Underwater Communication -- Adaptive Data Rate Based Congestion Control in Vehicular Ad Hoc Networks (VANET) -- Network Applications -- Analyzing Aggregate User Behavior on a Large Multi-platform Content Distribution Service -- An AI-based Transmission Power-control Certificate Omission in Vehicular Ad-Hoc Networks -- Dynamic Ephemeral and Session Key Generation Protocol for Next Generation Smart Grids -- A Blockchain-Based Data-Sharing Scheme for Inter[1] Vehicular Safety Applications -- A Trust-based and Secure Real-Time Traffic Information Sharing Scheme -- Tunnel: Framework Design and Implementation for Education Using Dynamic Difficulty Adjustment Based on Deep Reinforcement Learning and Mathematical Approach -- P-sharding: Streamline emergency medical transactions via priority sharding -- BiDKT: Deep Knowledge Tracing with BERT -- Vision - An innovative management system based on private DLT -- Value-aware Collaborative Data Pricing for Federated Learning in Vehicular Networks -- Dual Scheme Privacy-Preserving Approach for Location[1] Aware Application in Edge Computing -- Survey on Bridge Discovery in Tor.

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#### Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the 13th International Conference on Ad Hoc Networks, ADHOCNETS 2021, held in December 2021, and the 16th International Conference on Tools for Design, Implementation and Verification of Emerging Information Technologies, TRIDENTCOM 2021, held in November 2021. Both conferences were held virtually due to COVID 19 pandemic. The 15 full papers of ADHOCNETS 2021 were selected from 29 submissions and cover a variety of network paradigms including ad hoc networks (MANETs), wireless sensor networks (WSNs), vehicular ad hoc networks (Vanets), airborne networks, underwater networks, underground networks, personal area networks, and home networks, etc. It promises a wide range of applications in civilian, commercial, and military areas. The 18 full papers were selected from 47 submissions and deal the emerging technologies such as Industry 4.0, blockchain, deep learning, cloud/edge/fog computing, cyber physical systems, cybersecurity and computer communications.

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