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Collana	Lecture notes in computer science ; ; 12574
Disciplina	621.382
Soggetti	Mobile communication systems
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Simulation of Cyberattacks in ITS-G5 Systems -- Towards an Extensible Security Monitoring Architecture for Vehicular Networks -- Anomaly Detection On Roads Using C-ITS Messages -- Leveraging GPS data for vehicle maneuver detection -- Analysis and Comparison of IEEE 802.11p and IEEE 802.11bd -- An investigation of the bits corruption in the IEEE 802.11p -- Measurements of communication channel in different scenarios with the Channel Characterization Tool system -- Survey on decision-making algorithms for network selection in heterogeneous architectures -- Radio Access technologies selection in vehicular networks: state-of-the-art and perspectives for autonomous connected vehicles -- Toward the integration of V2V based clusters in a global infrastructure network for vehicles -- Integration of Antennas for communication systems on complex platforms -- 5G for remote driving of trains -- Sensing the Health of the Catenary-Pantograph Contact on Railway Vehicles with Radio Receivers: Early Results -- Freight Telematics Systems: An Intelligent Wagon -- NEWNECTAR: a New gEneration of adaptable Wireless sensor NEtwork for way side objeCTs in rAilway enviRonments -- Allowing People to Communicate after a Disaster using FANETs -- Remote ID and Vehicle-to-Vehicle Communications for Unmanned Aircraft System Traffic Management -- A Unified Smart Mobility System Integrating Terrestrial, Aerial and

Marine Intelligent Vehicles.

Sommario/riassunto

This book constitutes the refereed proceedings of the 15th International Workshop on Communication Technologies for Vehicles, Nets4Cars/Nets4Trains/Nets4Aircraft 2020, held in Bordeaux, France, in November 2020. The 18 full papers were carefully reviewed and selected from 22 submissions. The selected papers present original research results in areas related to the physical layer, communication protocols and standards, mobility and traffic models, experimental and field operational testing, and performance analysis.
