

1. Record Nr.	UNISA996466197703316
Titolo	Communication Technologies for Vehicles [[electronic resource] ] : 5th International Workshop, Nets4Cars/Nets4Trains 2013, Villeneuve d' Ascq, France, May 14-15, 2013, Proceedings // edited by Marion Berbineau, Magnus Jonsson, Jean-Marie Bonnin, Soumaya Cherkaoui, MARINA AGUADO, Cristina Rico-Garcia, Hassan Ghannoum, Rashid Mehmood, Alexey Vinel
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-37974-5
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XIV, 253 p. 101 illus.)
Collana	Computer Communication Networks and Telecommunications ; ; 7865
Classificazione	004 BAU 885f DAT 250f SS 4800 VER 001f ZO 4250
Disciplina	388.312
Soggetti	Computer communication systems Special purpose computers Computer system failures Computer simulation Computer science Computer Communication Networks Special Purpose and Application-Based Systems System Performance and Evaluation Simulation and Modeling Computer Science, general Kongress2013.Villeneuve-d'Ascq Conference papers and proceedings.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph

## Nota di contenuto

Invited Papers -- V2V Communication Channels: State of Knowledge, New Results, and What's Next -- Internet Onboard: Technical Analysis -- A QoS-Based Multi-user Scheduler Applied to Railway Radio-Communications -- Road Track -- Survey on Context-Aware Publish/Subscribe Systems for VANET -- A Survey on Security in Vehicular Ad Hoc Networks -- Wireless Vehicular Network Standard Harmonization -- Multi-technology Vehicular Cooperative System Based on Software Defined Radio (SDR) -- Performance of Inter-Vehicle Relay Network Based IR-UWB -- The Effects of Increasing Antenna Arrays and Spatial Correlation on Loading Algorithm for Closed-Loop MIMO Vehicle-to-Infrastructure Communications -- Increased Communication Reliability for Delay-Sensitive Platooning Applications on Top of IEEE 802.11p -- Development of Car2X Communication and Localization PHY and MAC Protocol Following Iterative Spiral Model Using Simulation and Emulation -- Characterization of a Laser Scanner Sensor for the Use as a Reference System in Vehicular Relative Positioning -- Estimating the Scheduling Discipline of an Ethernet Switch Using Constant Bit-Rate Probes -- Bridging Physical and Digital Traffic System Simulations with the Gulliver Test-Bed -- Open-VSeSeMe: A Middleware for Efficient Vehicular Sensor Processing -- Rail Track -- LTE Based Communication System for Urban Guided-Transport: A QoS Performance Study -- Performance of LTE in High Speed Railway Scenarios -- Generating Test Scenarios Based on Real-World Traces for ERTMS Telecommunication Subsystem Evaluation -- Blind Digital Modulation Detector for MIMO Systems over High-Speed Railway Channels -- Enhancing the CATS Framework by Providing Asynchronous Deployment for Mobile Application.

---

## Sommario/riassunto

This book constitutes the joint refereed proceedings of the 5th International Workshop on Communication Technologies for Vehicles/Trains, Nets4Cars 2013 and Nets4Trains 2013, held in Vilnius, Lithuania, in May 2013. The 12 full papers of the road track and 5 full papers of the rail track presented together with 3 invited talks were carefully reviewed and selected from 24 submissions. They address topics such as intra-vehicle, inter-vehicle and vehicle to infrastructure communications (protocols and standards), mobility and traffic models (models, methodologies, and techniques), testing, and applications.

---