

## Table of Contents

Quality of Service Assessment in Connected Vehicles <i>Asiya Khan, Cindy Goh, Cheng Leong Lim, and Sanjay Sharma</i>	1
A Review of Network Models for Internet of Vehicles <i>Asiya Khan, Cindy Goh, Cheng Leong Lim, and Sanjay Sharma</i>	7
Enhancing QoS in Vehicle-to-Infrastructure Approaches through Adaptive Cooperative Communications <i>Radwa Ahmed Osman, Xiao-Hong Peng, and Mohamed AbdElhamid Omar</i>	13
CBL: A Clustering Scheme for VANETs <i>Lucas Rivoirard, Martine Wahl, Patrick Sondi, Marion Berbineau, and Dominique Gruyer</i>	19
Emergency Optimized Low Latency MAC Protocol for VANETs based on VeMAC <i>Erik Neuhaus, Saleem Raza, and Mesut Gunes</i>	26
Vehicle Identification Based on Secondary Vehicle Identifier - Analysis and Measurements - <i>Markus Ullmann, Tobias Franz, and Gerd Nolden</i>	32
Security Hardening with Plausibility Checks for Automotive ECUs <i>Jurgen Durrwang, Marcel Rumez, Johannes Braun, and Reiner Kriesten</i>	38
Evaluation of a General Purpose Communication Unit for Two-Wheelers <i>Jose Santa, Pedro J. Fernandez, and Antonio F. Skarmeta</i>	42
A Method of Detecting Camouflage Data with Mutual Vehicle Position Monitoring <i>Shuntaro Azuma, Manabu Tsukada, Teruaki Nomura, and Kenya Sato</i>	48
Positioning and Perception in Cooperative ITS Application Simulator <i>Ye Tao, Manabu Tsukada, and Hiroshi Esaki</i>	54
Application of Deep Learning to Route Odometry Estimation from LiDAR Data <i>Miguel Clavijo, Francisco Serradilla, Jose-E Naranjo, Felipe Jimenez, and Alberto Diaz</i>	60
Development fo LTE based Railway Wireless Commnication Systems: Preliminary Experimental Test Results <i>Woong Cho, Bumgon Kim, and Hanbyeog Cho</i>	66
RSU Placement Method Considering Road Elements for Information Dissemination <i>Kazuyoshi Gomi, Yusuke Okabe, and Hiroshi Shigeno</i>	68
Remote Proxy V2V Messaging Using IPv6 and GeoNetworking	74

*Masahiro Kitazawa, Manabu Tsukada, Kai Morino, Hideya Ochiai, and Hiroshi Esaki*

Towards Vehicle-Assisted Adaptive Wireless GeoMesh Network for Smarter Cities 81  
*Yin Chen, Takuro Yonezawa, and Jin Nakazawa*

Data Routing Challenges in UAV-assisted Vehicular Ad hoc Networks 85  
*Hakim Ghazzai, Hamid Menouar, and Abdullah Kadri*

An ITS-based Architecture for Opportunistic Networking 91  
*Rodrigo Silva, Jean-Marie Bonnin, and Thierry Ernst*