Table of Contents

Efficient V2X Data Dissemination in Cluster-Based Vehicular Networks 1
Yongyue Shi, Xiao-Hong Peng, and Guangwei Bai

Geographic Centroid Routing for Vehicular Networks 7
Justin Rohrer

PhyCoNet-Sim: A Framework for Physically Accurate Simulations of Vehicular Ad-Hoc Networks 13
Steffen Moser, Ralf Schleicher, and Frank Slomka

Toward Safety and Security Development by Identifying Interfaces of Automotive Functions 19
Toru Sakon and Yukikazu Nakamoto

Self-Consistent NLOS Detection in GNSS-Multi-Constellation Based Localization under Harsh Conditions 23
Pierre Reisdorf and Gerd Wanielik

Reducing Car Consumption by Means of a Closed-loop Drag Control 25
Camila Chovet, Baptiste Plumjeaeu, Sebastien Delprat, Marc Lippert, Laurent Keirsbulck, Maxime Feingesicht, Andrey Polyakov, Jean-Pierre Richard, and Franck Kerherve

A Proposal for a Comprehensive Automotive Cybersecurity Reference Architecture 30
Christoph Schmittner, Martin Latzenhofer, Shaaban Abdelkader, and Markus Hofer

A TCO Analysis Tool Based on Constraint Systems for City Logistics 37
Johannes Kretzschmar, Mirko Johlke, and Wilhelm Rossak

UAVs-assisted Data Collection in Vehicular Network 39
Mohamed Ben Brahim, Hakim Ghazzai, Hamid Menouar, and Fethi Filali

LiDAR-based SLAM Algorithm for Indoor Scenarios 47
Felipe Jimenez, Miguel Clavijo, and Javier Juana

Wide Transmission of Proxy Cooperative Awareness Messages 54
Masahiro Kitazawa, Manabu Tsukada, Hideya Ochiai, and Hiroshi Esaki

Evaluation of WiFi Access Point Switching for Vehicular Communication Using SDN 60
Kaito Iwatsuki, Nishiki Hase, and Kenya Sato

Evaluation of Safety and Efficiency Simulation of Cooperative Automated Driving through Intersection 66
Kenta Kimura, Shuntaro Azuma, and Kenya Sato

Evaluation of a Method for Improving Pedestrian Positioning Accuracy using Vehicle RSSI 72
Yuya Nishimaki, Hisato Iwai, and Kenya Sato

Improvement of False Positives in Misbehavior Detection 78
Shuntaro Azuma, Manabu Tsukada, and Kenya Sato