

WIVEC2014 Accepted Papers

37021

1 Adaptive Content Control for Communication amongst Cooperative Automated Vehicles

Mohammad Fanaei, West Virginia University; Amin Tahmasbi-Sarvestani, West Virginia University; Yaser P. Fallah, West Virginia University; Gaurav Bansal, Toyota Info Technology Center, USA; Matthew Valenti, West Virginia University; John Kenney, Toyota ITC

64784

2 Antenna Selection Algorithm with Improved Channel Predictor for Vehicular Environment

Mona Shemshaki, Technical University of Vienna

12388

3 A Ray Tracing Algorithm for Intelligent Transport Systems in Tunnels

Mingming Gan, FTW; Zhinan Xu, The Telecommunications Research Center Vienna (FTW); Veronika Shivaldova, Vienna University of Technology; Alexander Paier, Kapsch TrafficCom; Fredrik Tufvesson, Lund University; Thomas Zemen, Forschungszentrum Telekommunikation Wien ftw.

33680

4 Comparing LIMERIC and DCC approaches for VANET Channel Congestion Control

Gaurav Bansal, Toyota Info Technology Center, USA; Bin Cheng, Ali Rostami, Rutgers University; Katrin Sjöberg, Volvo Groups Trucks Technology; John Kenney, Toyota InfoTechnology Center, USA; Marco Gruteser, WINLAB, Rutgers University

92736

5 Cooperative Localization based on Topology Matching

Seungtak Choi, Woosol Hur, Seung-Woo Seo, Seoul National University

78689

6 Enhancing the Field of View Limitation of Visible Light Communication-based Platoon

Mohammad Abualhoul, Mines ParisTech University, INRIA; Mohamed Marouf, Oyunchimeg Shagdar, Fawzi Nashashibi, INRIA

56256

7 Finite-State Markov Channel Modeling for Vehicle-to-Infrastructure Communications

Siyu Lin, Yan Li, Yuanxuan Li, Beijing Jiaotong University; Ai bo, Tsinghua University; Zhangdui Zhong, Beijing Jiaotong University

30189

8 Frame-based Mobility Estimation via Compressive Sensing in Delay-Tolerant Vehicular Networks

Waleed Alasmery, Shahrokh Valaee, Samah El-Tantawy, University of Toronto; baher Abdulhai, Univesity of Toronto

89001

9 Impact of a Truck as an Obstacle on Vehicle-to-Vehicle Communications in Rural and Highway Scenarios

Dimitrios Vlastaras, Taimoor Abbas, Lund University; Mikael Nilsson, Volvo Car Corporation; Russ Whiton, Magnus Olbäck, Volvo Group Trucks Technology; Fredrik Tufvesson, Lund University

17817

10 Improved Near Field Focusing of Antenna Arrays with Novel Weighting Coefficients

Shun-Ping Chen, Darmstadt University of Applied Sciences

90073

11 Infrastructure-to-Vehicle Throughput in TVWS for Urban and Rural Environments

Nor Fadzilah Abdullah, University of Bristol; Angelos Goulianos, University of Bristol, UK; Denys Berkovskyy, Di Kong, Evangelos Mellios, Angela Doufexi, Andrew Nix, University of Bristol

73452

12 MAX-MIN based Buffer Allocation for VANETs

Luis Urquiza-Aguilar, Universitat Politècnica de Catalunya; Andrés Vázquez-Rodas, Universitat Politècnica de Catalunya; Carolina Tripp-Barba, Autonomic University of Sinaloa; Mónica Aguilar Igartua, Universitat Politècnica de Catalunya (UPC); Luis J. de la Cruz Llopis, Emilio Sanvicente Gargallo, Universitat Politècnica de Catalunya

82431

13 Multiplicative Superposition Signaling Based Detection schemes for Heterogeneous-Speed Users

Caihong Yu, Li HAO, Southwest Jiaotong University

59752

14 Random Transmit Jitter Against Correlated Packet Collisions in Vehicular Safety Communication

Bernhard Kloiber, German Aerospace Center (DLR); Jérôme Härrli, EURECOM; Fabian de Ponte Müller, Stephan Sand, German Aerospace Center (DLR)

59183

15 Relaying for IEEE 802.11p at Road Intersection Using a Vehicular Non-Stationary Channel Model

Zhinan Xu, Laura Bernado, The Telecommunications Research Center Vienna (FTW); Mingming Gan, FTW; Markus Hofer, The Telecommunications Research Center Vienna (FTW); Taimoor Abbas, Lund University; Veronika Shivaldova, Vienna University of Technology; Kim Mahler, Fraunhofer Heinrich Hertz Institute; Dieter Smely, Kapsch TrafficCom; Thomas Zemen, Forschungszentrum Telekommunikation Wien ftw.

75449

16 Revisiting Attacker Model for Smart Vehicles

Jonathan Petit, Michael Feiri, University of Twente; Frank Kargl, University of Ulm

90652

17 SDR-proved Adaptive OFDM Guard Interval Scheme for Rapidly Varying Time-Dispersive Vehicular Broadcast Channels

Norman Franchi, University of Erlangen-Nuremberg; Matej Kloc, Robert Weigel, University Erlangen-Nuremberg

30507

18 Signal-to-Noise Ratio Modeling for Vehicle-to-Infrastructure Communications

Veronika Shivaldova, Andreas Winkelbauer, Christoph Mecklenbräuker, Vienna University of Technology

14644

19 Spectrum Sensing with Energy Detection in Cognitive Vehicular Ad hoc Networks

Xiaomin Qian, Southwest Jiaotong University

96888

20 Throughput-Oriented Connection Scheme for Cognitive Radio Networks

Wen-Hsing Kuo, Yuan-Ze University; Chi-Fu Lin, Yu-Ling Hung, Yuan Ze University

51065

21 Wireless sensor network-assisted, autonomous mapping with information-theoretic utility

Steffen Beyme, Cyril Leung, The University of British Columbia