

Contents

About the Special Issue Editor	vii
Felipe Jiménez	
Road Vehicles Surroundings Supervision: Onboard Sensors and Communications	
Reprinted from: <i>Applied Sciences</i> 2018 , <i>8</i> , 1125, doi:10.3390/app8071125	1
Felipe Jiménez, Miguel Clavijo, Fernando Castellanos and Carlos Álvarez	
Accurate and Detailed Transversal Road Section Characteristics Extraction Using Laser Scanner	
Reprinted from: <i>Applied Sciences</i> 2018 , <i>8</i> , 724, doi:10.3390/app8050724	4
Rafael Toledo-Moreo, Carlos Colodro-Conde and Javier Toledo-Moreo	
A Multiple-Model Particle Filter Fusion Algorithm for GNSS/DR Slide Error Detection and Compensation	
Reprinted from: <i>Applied Sciences</i> 2018 , <i>8</i> , 445, doi:10.3390/app8030445	17
Kenshi Saho and Masao Masugi	
Performance Analysis and Design Strategy for a Second-Order, Fixed-Gain, Position-Velocity-Measured (α - β - η - θ) Tracking Filter	
Reprinted from: <i>Applied Sciences</i> 2017 , <i>7</i> , 758, doi:10.3390/app7080758	26
Irshad Ahmed Abbasi, Adnan Shahid Khan and Shahzad Ali	
Dynamic Multiple Junction Selection Based Routing Protocol for VANETs in City Environment	
Reprinted from: <i>Applied Sciences</i> 2018 , <i>8</i> , 687, doi:10.3390/app8050687	45
Yiding Hua, Haobin Jiang, Huan Tian, Xing Xu and Long Chen	
A Comparative Study of Clustering Analysis Method for Driver's Steering Intention Classification and Identification under Different Typical Conditions	
Reprinted from: <i>Applied Sciences</i> 2017 , <i>7</i> , 1014, doi:10.3390/app7101014	63
Jianbin Chen, Demin Li, Guanglin Zhang and Xiaolu Zhang	
Localized Space-Time Autoregressive Parameters Estimation for Traffic Flow Prediction in Urban Road Networks	
Reprinted from: <i>Applied Sciences</i> 2018 , <i>8</i> , 277, doi:10.3390/app8020277	81
Krzysztof Malecki and Jarosław Watróbski	
Cellular Automaton to Study the Impact of Changes in Traffic Rules in a Roundabout: A Preliminary Approach	
Reprinted from: <i>Applied Sciences</i> 2017 , <i>7</i> , 742, doi:10.3390/app7070742	101
Junaid Iqbal, Khalil Muhammad Zuhaib, Changsoo Han, Abdul Manan Khan and Mian Ashfaq Ali	
Adaptive Global Fast Sliding Mode Control for Steer-by-Wire System Road Vehicles	
Reprinted from: <i>Applied Sciences</i> 2017 , <i>7</i> , 738, doi:10.3390/app7070738	122
Junyou Zhang, Yaping Liao, Shufeng Wang and Jian Han	
Study on Driving Decision-Making Mechanism of Autonomous Vehicle Based on an Optimized Support Vector Machine Regression	
Reprinted from: <i>Applied Sciences</i> 2018 , <i>8</i> , 13, doi:10.3390/app8010013	148
Raúl Borraz, Pedro J. Navarro, Carlos Fernández and Pedro María Alcover	
Cloud Incubator Car: A Reliable Platform for Autonomous Driving	
Reprinted from: <i>Applied Sciences</i> 2018 , <i>8</i> , 303, doi:10.3390/app8020303	166

Héctor Montes, Carlota Salinas, Roemi Fernández and Manuel Armada
An Experimental Platform for Autonomous Bus Development
Reprinted from: *Applied Sciences* **2017**, 7, 1131, doi:10.3390/app7111131 **186**