

IACSIT International Journal of Engineering and Technology

CONTENTS

Volume 4, Number 2, April 2012

Human Performance in Transportation A Comparative Study of Human Performance Models.....	111
<i>Azlis Sani Jalil, Siti Zawiah Md Dawal, and Norhayati Mohmad Zakwan</i>	
State Space Modeling and Short-Term Traffic Speed Prediction Using Kalman Filter Based on ANFIS.....	116
<i>Nasim Barimani, Behzad Moshiri, and Mohammad Teshnehlab</i>	
Extent of Highway Capacity Loss Resulting from Road Humps.....	121
<i>J. Ben-Edigbe and N. Mashros</i>	
Application of Reinforcement Learning as a Tool of Adaptive Traffic Signal Control on Isolated Intersections.....	126
<i>Kristi Bombol, Daniela Koltovska, and Kostandina Veljanovska</i>	
Evaluation of Vehicular Ad Hoc Networks on Safety Traffic.....	130
<i>Hassan Zoghi, Mojtaba Hajali, and Meisam Dirin</i>	
A Study of Structure of Road Accidents Status Prediction Model for Highways.....	135
<i>Hassan Zoghi, Morteza Tolouei, Kianoush Siamardi, and Mohammad Ramezani Afjadi</i>	
Assessment of Traffic Safety Performance of School Buses in UAE.....	139
<i>Nada B. Al Naser and Yaser E. Hawas</i>	
Preparation of FBMH and EFBWSN: A Firebase MAC Protocol and Enhanced WSN Design for Highways.....	144
<i>Ahmed Farid, Muhammad Azhar Mushtaq, Muhammad Kaleem, and Sana Nawaz</i>	
Platform for Logistic and Transport Utilizing Dynamic Transshipment Points.....	148
<i>Markus Duchon and Claudia Linnhoff-Popien</i>	
Intelligent Highway Control System for Managing Traffic on Highway Intersections.....	153
<i>Bikash Agarwal, Sanidhya Rasiwasi, Shyam Agarwal, and Roshan Kumar</i>	
Pedestrians' Gap Acceptance Behavior at Mid Block Location.....	158
<i>B. Raghuram Kadali and Vedagiri Perumal</i>	
Design of Hybrid Kernel and the Performance Improvement of the Operating System.....	162
<i>Prakash S Prasad and Akhilesh R. Upadhyay</i>	
Development of Sustainable Food Supply Chain.....	166
<i>Yan Xiao-hui and Ma Jun</i>	
VAWT Which Makes Use of the Turbulent Winds Generated by the Highway Traffic.....	170
<i>A. Muthukumar and M. Balasubramanian</i>	

Development of Accessibility Index for Newly Expanded City Areas in Fuzzy Framework: A Case Study.....	173
<i>Leena Garg and B. K. Katti</i>	
Innovative Transportation Technique: A Need for Urban Traffic Control, Regulation and Management.....	177
<i>Talati Vaishakhi A. and Talati Ashish V.</i>	
The Flexible Public Transport System Using GSM as a Communication Medium.....	182
<i>Mahesh Sachidanandam and Sivakumar P.</i>	
Numerical Unsteady Analysis of Thin Film Lubricated Journal Bearing.....	185
<i>K. M. Panday, P. L. Choudhury, and N. P. Kumar</i>	
Edge Detecting and Partitioning by Comparative Gradient.....	192
<i>Hamid Akramifard, Reza Askari Moghadam, and Mohammad Firouzmand</i>	
Psychoanalysis of Centrally Symmetric Gravitational Field Using a Centrally Symmetric Metric.....	198
<i>Muhammad Sajjad Hossain, M. Sahabuddin and M. A. Alim</i>	
Contribution of New Intermodal Logistics Chain: Idea for the EU Future and Better Environment –Balkan Challenge.....	203
<i>Natasa Gojkovic Bukvic</i>	
A Study on the Intercontinental Transportation Competitiveness Enhancement Plan between Northeast Asia and Europe Using the Trans-Siberian Railway.....	208
<i>Ji-Young Song and Hee-Seung Na</i>	
Advanced Pre-Warning System (Railways).....	213
<i>Uvaraja. S and Raghav Prashanth. V</i>	
Simulation Approach on the Performance Analysis of Rental Vessels Transportation and Shipment Management.....	216
<i>Asmuliardi Muluk and Suhaiza Zailani</i>	
Characteristics of Traffic in a Highly Congested Motorway in Urban Area in Jakarta-Indonesia.....	221
<i>Fergyanto E. Gunawan</i>	