Journal Editorial Board

ISSN 2160-0473 (Print)  ISSN 2160-0481 (Online)
http://www.scirp.org/journal/jtts

Editor-in-Chief
Prof. Tschangho John Kim
University of Illinois at Urbana-Champaign, USA

Editorial Board
Prof. Khaled Abdelazim Abbas
Egypt National Institute of Transport, Egypt

Prof. Francisco Aparicio
Technical University of Madrid, Spain

Dr. Theo Arentze
Eindhoven University of Technology, The Netherlands

Dr. Felix Caicedo
Pontificia Universidad Catolica de Valparaiso, Chile

Dr. Andres L. Carrano
Rochester Institute of Technology, USA

Dr. Mohammed Chadli
University of Picardie Jules Verne, France

Prof. Shuming Chen
Jilin University, China

Prof. Torbjörn Falkmer
Curtin University, Australia

Dr. Ranjit Godavarthy
North Dakota State University, USA

Dr. Essam H. Almasri
University of Gaza (IUG), Palestine

Prof. Antoine Hobeika
Virginia Polytechnic Institute and State University, USA

Dr. Xinguo Jiang
Southwest Jiaotong University, China

Dr. Felipe Jiménez
Universidad Politécnica de Madrid, Spain

Dr. Jungwook Jun
Virginia Department of Transportation, USA

Prof. Seungmo Kang
Korea University, South Korea

Dr. Weigang Li
University of Brasilia, Brazil

Prof. Chun-Liang Lin
National Chung Hsing University, Chinese Taipei

Dr. Rui Cunha Marques
Technical University of Lisbon, Portugal

Dr. Babak Mehran
University of Regina, Canada

Prof. Srinivas S. Pulugurtha
The University of North Carolina at Charlotte, USA

Dr. Joaquin Rodriguez
French Institute for Sciences and Technologies of Transport, Planning and Networks, France

Dr. Adel W. Sadek
University at Buffalo, the State University of New York, USA

Dr. Hualiang Teng
University of Nevada, USA

Prof. Harry J. P. Timmermans
Eindhoven University of Technology, The Netherlands

Dr. Tomer Toledo
Israel Institute of Technology, Israel

Dr. Rafael Toledo-Moreo
Technical University of Cartagena, Spain

Prof. Marianne Vanderschuren
University of Cape Town, South Africa

Prof. Dario Vangi
Florence University, Italy

Dr. Cheng-Lung Wu
University of New South Wales, Australia

Dr. Saffet Yagiz
Pamukkale University, Turkey

Prof. Xuedong Yan
Beijing Jiaotong University, China

Prof. Lixing Yang
Beijing Jiaotong University, China

Dr. Ruifeng Yu
Tsinghua University, China
Table of Contents

Volume 7   Number 4                                   October 2017

An Optimization of Bluetooth Sensor Locations for Origin-Destination in an Urban Network
I. Khliefat, I. Shatnawi.................................................................367

Derivation of a Representative Engine Duty Cycle from On-Road Heavy-Duty Vehicle Driving Data
Y. H. Peng, A. C. Nix, H. L. Li, D. R. Johnson, R. S. Heltzel..........................376

Evaluation of Sample Taxicab Security Cameras
S. K. Zeng, H. E. Amandus, A. A. Amendola, R. S. Current, B. H. Newbraugh, D. M. Cantis, D. Weaver........390

Speed Reduction Mitigation Strategies on Rural Highways at Two-Way Stop Control Intersections and Curves
R. P. Godavarthy, E. R. Russell, B. Mirzazadeh..................................................423
Journal of Transportation Technologies (JTTs)

Journal Information

SUBSCRIPTIONS


**Subscription rates:**

Print: $79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

**Advertisements**

Advertisement Sales Department, E-mail: service@scirp.org

**Reprints (minimum quantity 100 copies)**


E-mail: sub@scirp.org

COPYRIGHT

**Copyright and reuse rights for the front matter of the journal:**

Copyright © 2017 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

[http://creativecommons.org/licenses/by/4.0/](http://creativecommons.org/licenses/by/4.0/)

**Copyright for individual papers of the journal:**

Copyright © 2017 by author(s) and Scientific Research Publishing Inc.

**Reuse rights for individual papers:**

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

**Disclaimer of liability**

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jtts@scirp.org
Journal of Transportation Technologies (JTTs) is an international refereed journal dedicated to the latest advancement of transportation technologies. The goal of this journal is to provide a forum for scientists and academicians worldwide to promote, share, and discuss various new issues and perspectives in diverse areas of transportation technologies, and to keep a record of the state-of-the-art research in the areas.

**Subject Coverage**

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following topics:

<table>
<thead>
<tr>
<th>Advanced Driver Assistance Systems</th>
<th>Maritime Transport Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Emergency Management Systems (AEMS)</td>
<td>Metro-Rail Transportation</td>
</tr>
<tr>
<td>Advanced Materials for Transportation Vehicles</td>
<td>Mobile Terminal Displays</td>
</tr>
<tr>
<td>Advanced Traffic Management Systems (ATMS)</td>
<td>Navigation Technology</td>
</tr>
<tr>
<td>Automated Baggage Handling and Screening Systems</td>
<td>On-Board Diagnosis</td>
</tr>
<tr>
<td>Automated People Movers</td>
<td>Operational Control Centres</td>
</tr>
<tr>
<td>Automatic Vehicle Location and Tracking</td>
<td>Pedestrian and Vehicle Detection Technologies</td>
</tr>
<tr>
<td>Automotive Software Architecture</td>
<td>Planning and Scheduling Software Packages</td>
</tr>
<tr>
<td>Bus Transit Systems</td>
<td>Powertrain Management</td>
</tr>
<tr>
<td>Collision Avoidance Systems</td>
<td>Railway Tunnels and Tunneling</td>
</tr>
<tr>
<td>Command Control Centres</td>
<td>Railways Management</td>
</tr>
<tr>
<td>Communication, Navigation, Surveillance Systems</td>
<td>Smart Card Reader</td>
</tr>
<tr>
<td>Computer-Aided Dispatch</td>
<td>Socio-Economical Effect of Environmental Friendly Mobility</td>
</tr>
<tr>
<td>Devices to Enhance Pedestrian and Bicyclist Safety</td>
<td>Sustainable Transport Safety Management</td>
</tr>
<tr>
<td>Dynamic Traffic Sign Control</td>
<td>Testing Methodology</td>
</tr>
<tr>
<td>Electronic Fare Collection</td>
<td>Traffic Control Devices</td>
</tr>
<tr>
<td>Flight Information Display Systems</td>
<td>Traffic Psychology</td>
</tr>
<tr>
<td>Health and Wellness in Transportation Industry</td>
<td>Traffic Signal Priority System</td>
</tr>
<tr>
<td>Incident Reporting Packages</td>
<td>Transport Management</td>
</tr>
<tr>
<td>Intelligent Security Systems</td>
<td>Transport Safety</td>
</tr>
<tr>
<td>Intelligent Transportation Systems and Traffic Control</td>
<td>Travelers' In-Vehicle and Out-of-Vehicle Information Systems</td>
</tr>
<tr>
<td>Intelligent Vehicles</td>
<td>V2I/V2V Communication</td>
</tr>
<tr>
<td>ITS Architecture</td>
<td>Vehicle Information System</td>
</tr>
<tr>
<td>ITS as Decision Support System</td>
<td>Variable Message Signing</td>
</tr>
<tr>
<td>Location-Based Services</td>
<td>Vehicle Navigation System</td>
</tr>
<tr>
<td>Marine Communication and Navigation Engineering</td>
<td>Vehicle-to-Roadside Communication (VRC)</td>
</tr>
<tr>
<td></td>
<td>Weigh-in-Motion (WIM)</td>
</tr>
</tbody>
</table>

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic.

**Notes for Intending Authors**

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

**Website and E-Mail**

http://www.scirp.org/journal/jtts  
E-mail: jtts@scirp.org
What is SCIRP?
Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?
All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience

Website: http://www.scirp.org
Subscription: sub@scirp.org
Advertisement: service@scirp.org