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 Hobéika  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
Prof. Saffet Yagiz  Nazarbayev University, Kazakhstan
Prof. Xuedong Yan  Beijing Jiaotong University, China
Prof. Lixing Yang  Beijing Jiaotong University, China
Dr. Ruifeng Yu  Tsinghua University, China
## Table of Contents

**Volume 8  Number 3  July 2018**

**Automated Autonomous Vehicles: Prospects and Impacts on Society**  
T. J. Kim

**Identifying and Ranking Dangerous Road Segments a Case of Hawassa-Shashemene-Bulbula Two-Lane Two-Way Rural Highway, Ethiopia**  
M. T. Abebe, M. Z. Belayneh

**Synergies for Trains and Cars Automation in the Era of Virtual Networking**  
F. Rispoli, A. Neri, C. Stallo, P. Salvatori, F. Santucci

**Effect of Difference in Form of Driving Support Agent to Driver’s Acceptability**  
T. Tanaka, K. Fujikake, T. Yonekawa, M. Inagami, F. Kinoshita, H. Aoki, H. Kanamori

**Resource Efficient Hardware Implementation for Real-Time Traffic Sign Recognition**  
H.-M. Weng, C.-T. Chiu

**Composite Sustainable Indicators Framework for Cost Assessment of Land Transport Mode in Lebanon Cities**  
F. Barraj, Y. Attalah
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](mailto:sub@scirp.org)

SERVICES

Advertisements
Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

Reprints (minimum quantity 100 copies)
E-mail: [sub@scirp.org](mailto:sub@scirp.org)

COPYRIGHT

**Copyright and reuse rights for the front matter of the journal:**
Copyright © 2018 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 © 2018 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](mailto: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:

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

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