Journal Editorial Board

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

Editor in Chief
Prof. Tschangho 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. Felix Caicedo
Pontificia Universidad Catolica de Valparaiso, Chile
Dr. Mohammed Chadli
University of Picardie Jules Verne, France
Prof. Pablo Coto-Millan
University Of Cantabria, Spain
Dr. Frederick Douglas Hansen
Oklahoma State University, USA
Prof. Petros Ioannou
University of Southern California, USA
Dr. Milan Janic
Delft University of Technology, Netherlands
Dr. Xin Guo Jiang
Southwest Jiaotong University, China
Dr. Felipe Jiménez
Universidad Politécnica de Madrid, Spain
Dr. Jungwook Jun
Virginia Department of Transportation, USA
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. Yetis Sazi Murat
Pamukkale University, Turkey
Dr. Srinivas S. Pulugurtha
The University of North Carolina at Charlotte, USA
Dr. Rafael Toledo-Moreo
Technical University of Cartagena, Spain
Dr. Marianne Vanderschuren
University of Cape Town, Netherlands
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. William Young
Monash University, Australia
Dr. Ruifeng Yu
Tsinghua University, China

Editorial Assistant
Lilliam Chen
Scientific Research Publishing, USA  Email: jtts@scirp.org
# TABLE OF CONTENTS

**Volume 1  Number 3  July 2011**

**Urban Space with Instant and Ubiquitous Access Technologies**  
T. J. Kim  
31

**The Sensitivity of Model Results to Specification of Network-Based Level of Service Attributes: An Application of a Mixed Logit Model to Trave Mode Choice**  
B. P. Bhatta  
34

**Air Traffic Volume and Air Traffic Control Human Errors**  
W.-C. Moon, K.-E. Yoo, Y.-C. Choi  
47

**Ecological Tunnel for the 21st Century: A New Conception and Methodology**  
Z. X. Zhang, Q. H. Lei, Q. Xue  
54

**On the Comparison of Two Vehicular Safety Systems in Realistic Highway Scenarios**  
A. Amoroso, G. Marfia, M. Rocetti, C. E. Palazzi  
58
Journal of Transportation Technologies (JTTs)

Journal Information

SUBSCRIPTIONS


Subscription rates:
Print: $39 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©2011 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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: jtt@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 keep a record of the state-of-the-art research and promote the research work in the areas.

Subject Coverage
This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

- 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)

The page limit for final papers is at least six double-column pages in 10 point Times New Roman font. However, 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/jttss   E-mail: jttts@scirp.org