

Special Issue Call for Papers

Special Issue on: Sustainable Transportation Systems Development in Asian Cities

International Journal of Transportation

(<http://www.sersc.org/journals/IJT>)

Submissions Deadline: May 31, 2013

Paper Submission

The papers will be subject to the usual peer review process of International Journal of Transportation. Criteria for acceptance include originality, contribution, scientific merit, accuracy and readability. The final paper format must follow the standards found in the International Journal of Transportation – “Instructions for Authors” guide, available online at: <http://www.sersc.org/journals/%5BSERSC%5D%20Author%20Guidelines.pdf>

Authors should submit the manuscript to the online submission system at: <http://submission.sersc.org/IJT/SI3>.

Expected Dates Schedule (Important Dates)

- Submission Deadline: May 31, 2013
- Notification of Acceptance: November 30, 2013
- Final Version Due: February 28, 2014
- Special Issue Publication Date: August 2014

Merits of this special issue

This special issue will provide scientific information and build crucial knowledge on the sustainable transportation systems, and will cover significant challenges and the future directions for quantitative research in transportation sustainability. It is our hope that this special issue will inspire and stimulate new research initiatives in this evolving field of sustainable transportation systems development.

Guest Editors

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Aim and Scope

Since 1950, more than 50% of the total world population is in Asia, and Asia is undergoing fast increase in urban population with the progress of fast urbanization. Developing efficient urban transport systems and providing more environmentally friendly modes, in highly populated Asian cities, can benefit to improve the mobility, decrease the dependency of private cars and alleviate traffic congestion. It is therefore important to quantify the environmental effects and take their effects into account when designing, planning, managing and controlling transportation networks. Sustainable transportation concerns systems, policies, and technologies, and the development of sustainable transportation system provides a valuable opportunity for academic communities and practitioners facing challenges for the reduction of traffic congestion and its impact on the environment and the development of rapid innovative solutions.

This special issue will be organized based on papers selected from the 2nd China-Korea Joint Seminar on Sustainable Transportation Systems (CKJSSTS-II) to be held at the Beijing Jiaotong University in March 25th-27th 2013, which is supported by the National Natural Science Foundation of China (NSFC), National Research Foundation of South Korea (NRF), Beijing Jiaotong University (BJTU) and Korea University (KU). The purpose is to promote the sustainable development of transport system in typical cities of Asia, and to bring contributions to the environmental, social and economic sustainability of the communities they serve with the cooperation. Researchers and practitioners are invited to submit original contributions to the joint seminar, and submitted abstracts and full papers will be reviewed by experts in the relevant fields.

Topics

The suggested topics involved in this special issue include:

- Sustainable development strategies for urban travel demand management
- Sustainable development of urban transport network in cities of Asia
- Mass transit system management and planning for sustainable development
- Road pricing with environmental externality
- Tradable credit and emission pollution permits
- Traffic assignment with environmental constraints
- Spatial Activity and Transport Interactions
- Real-time Information, Travel Behavior and System Management
- Travel Behavior Processes and Demand Modeling
- Pedestrian and Crowd Modeling
- Transport Safety
- Network Modeling
- Routing and Scheduling in Transportation Systems