

International Journal of Engineering Management and Economics
Special issue on Transport

Guest Editor: Dr. Ghassan Abu-Lebdeh, American University of Sharjah, UAE

A sustainable and competitive transport system is an essential part to the well-being of every society. But the health and competitiveness of a transport system starts at the sub-system level where components, processes, and well-managed externalities--whether they are safety-oriented or operations-oriented -- are all engineered and/or managed to optimally function in concert within the overall transport system be it at the local or national network level.

This special issue focuses on innovative approaches to design, operate, or manage subcomponents of the transport system to achieve levels necessary for its competitiveness and sustainability. This issue will be of interest to academics and practitioners involved in putting the transport system in place to meet its demands. Papers are solicited on management and operations of different aspects of the transport systems. Papers that demonstrate innovative applications and/or solutions of optimization algorithms, innovative designs of physical components or policies aimed at managing safety or operations, and integration of practices and designs are invited.

This issue will carry revised and substantially extended versions of selected papers presented at the International Conference on Modeling, Simulation and Applied Optimization (ICMSAO'13), in Hammamet, Tunisia, but researchers unable to participate in the conference are strongly encouraged to submit papers for this call as well.

Subject Coverage

Suitable topics include, but are not limited to:

- Control and management of mixed traffic
- Design of system components for safety
- Freight and passenger traffic routing
- Transport network design
- Control design of signalized network
- Modeling and design of measures of effectiveness (MOE)
- Integration of computation and communication technologies into transport systems
- Context-sensitive design and operations of transport system components
- Innovative maintenance strategies and practices
- Public transit signal priority control
- Driver behavior and control
- Control of congested networks
- Transport in supply chains
- Eco-friendly transport design
- Energy-efficient transport operations/designs
- Transport resource allocation and management
- Equitable transport operations and designs
- Transport investment strategies

- Other related topics

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers will be refereed through a peer review process.

All papers must be submitted online. To submit a paper, please read our information on [preparing and submitting articles](#).

Submission of manuscripts: 31 October 2013

Notification of final acceptance: 1 June 2014

Contact

The editor of the special issue is happy to discuss initial ideas for papers, and can be contacted directly:

Dr. Ghassan Abu-Lebdeh,

gabulebdeh@aus.edu

American University of Sharjah, UAE