

Special Issue on: Catastrophic Events Management

International Journal of Transportation

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

Submission Deadline: October 30, 2014

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/SI11>.

Expected Dates Schedule (Important Dates)

Submission of full paper online: October 30, 2014

Feedback from first-round reviews issued: January 30, 2015

Revised manuscripts due: March 30, 2015

Feedback from second-round reviews issued (if needed):
April 30, 2015

Final manuscripts due: May 30, 2015

Planned publication: 2015

Merits of your special issue

This special issue focuses on catastrophic events management in transportation arena. The aim is to highlight the recent developments on this subject and to demonstrate its potential for achieving sustainable mobility during catastrophic events. The past few years have seen an increasing influence of preparedness and transportation networks on people's daily life. One of the core activities of the modern life is personal mobility during various events and incidents. Rapid progresses are being made in exploring the possibilities of various optimizations and planning techniques to facilitate personal and urban mobility during the catastrophic events, to improve the efficiency of the transport network, and to achieve sustainable mobility under uncertainty. This special issue will accentuate the current best practices in the field and shed light on future opportunities.

Guest Editors

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Aim and Scope

From natural disasters to manmade terrorist acts, people throughout the world are challenged by hazards and events that threaten life, health, and property. When dealing with such hazards, transportation systems play a key role in preserving the well-being of threatened populations. Over the past decade, the field of catastrophic events management has grown in importance both as a research- and practice-related topic.

Over this time, many new practices have evolved from experimental ideas to field implementation. To summarize and communicate the state of research and practice, we are proposing to develop a Special Issue of the International Journal of Transportation that will focus on emerging trends and ideas in research and practice that can be used to enhance the safety and effectiveness of catastrophic events management. The scope will cover all aspects of transportation modes and service networks,

All papers selected to appear in the Special Issue will be reviewed by a panel of national and international experts and will encompass novel and useful information as well as a variety of promising new techniques that can be used to highlight research contributions and enhance catastrophic events management practice.

Topics

We would like to invite papers that refer to both theoretical principles and practical experiences. Sample topics may include:

- Preparedness and catastrophic management
- Preparedness and recovery of service urban networks against natural and manmade events
- Transportation operation and management
- Incident management
- Operations and safety of transportation networks
- Transportation Planning
- Management for carless and vulnerable populations
- Preparedness and management facing the medical community
- Optimization and modeling prior/during evacuation
- Cyber security during emergency evacuation
- User equilibrium and emergency plans
- Post event re-entry and re-population
- Technology and telecommunications for evacuation management and operations
- ITS in emergency transportation preparedness, management, and response