Special issue on

Intelligent Transportation Systems in Big Data

at Journal of Ambient Intelligence and Humanized Computing

Big data provides unprecedented opportunities for the development of intelligent transportation systems. Taking full advantage of big data, we can accomplish informed decision-making and management, e.g., controlling risk, improving energy efficiency, reducing carbon emissions and others. The public transportation industry has been at the forefront in utilizing and implementing big data. Machine intelligence technologies have already been applied to this area.

A quick Web of Science query on intelligent transportation systems clearly demonstrates a rapid and steady growth of the area as demonstrated in Figure 1:

![Figure 1: The number of publications related to intelligent transportation systems](image)

There have been a significant number of publications in the area, however there is a lack of a focused material that brings recent advancements of intelligent transportation systems in the era of big data.

Main topics
• Traffic Network Design
• Management and Control on Road Transport in Big Data
• Management and Control on Urban Rail in Big Data
• Management and Control on High-Speed Rail in Big Data
• Management and Control on Air Traffic in Big Data
• Risk Management
• Energy Saving
• Emission Reduction
• Next Generation Traffic Systems

Submission

Papers will be evaluated based on their originality, presentation, relevance and contribution to the topic of *Intelligent Transportation Systems in Big Data*, as well as their suitability and the quality in terms of both technical contribution and writing. The submitted papers must be written in good English and describe original research which has not been published nor is currently under review by other journals or conferences. If used, the previously published conference papers should be clearly identified by the authors (at the submission stage) and an explanation should be provided in which way how such papers have been extended to be considered for this special issue. The Guest Editor will make an initial decision of the suitability and scope of all submissions. Papers that either lack originality, clarity in presentation or fall outside the scope of the special issue will not be sent for review and in such cases the authors will be promptly informed.

Manuscripts must be submitted online:
http://www.editorialmanager.com/aihc/

For more journal information and author guidelines, please visit
http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/12652#

Suggested schedule - important dates

Manuscript submission: September 30 to December 30, 2016
First decision notification: March 30, 2017
Revised version submission due: May 30, 2017
Acceptance notification: June 30, 2017
Anticipated publication: 2017

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