

# Call for Papers

*A special issue of IEEE Transactions on Intelligent Transportation Systems  
“Big data for Driver, Vehicle, and System Control in ITS”*

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**Submission deadline: October 15, 2014**

## Special Issue Aims and Scope:

The performance of intelligent transportation systems relies heavily on the availability and quality of data. With the rapid development of new technologies in computer and communication systems during the past decade or so, new methodologies have been developed to acquire, store, and process big and complex transportation data. The goal of this special issue is to present from both technological and institutional perspectives the use of big data for developing new paradigms and strategies for system control, performance evaluation, information dissemination in Intelligent Transportation Systems (ITS). We welcome high quality papers in all theoretical, developmental, and applied aspects of big data in ITS.

Potential topics of research papers include, but are not limited to:

- Data mining in traveler information systems
- Data processing technologies for big data
- Methodologies for data acquisition
- Institutional issues with collection, utilization, and storage of big data
- Data driven control in a transportation network
- Advanced technologies for privacy protection
- Big data for transportation planning and system design

- Transportation communication systems supporting big data
- Methodologies for data visualization
- Big data in transport safety analysis
- Reliability and robustness in transport data
- Big data for multi-modal transportation

**Key Dates:**

- Submission deadline for full-length papers: October 15, 2014
- Tentative notification about acceptance: December 2014
- Tentative deadline for final submission: February 2015
- Expected publication date: first half of 2015

**Submission Process:**

Manuscripts should be submitted via the online system of IEEE *Transactions Intelligent Transportation Systems* manuscript submission site, which can be accessed via

<http://mc.manuscriptcentral.com/t-its>.

All manuscripts will be reviewed through a peer review process and should contain unpublished material that is not under review elsewhere. Manuscripts must comply with the author guideline of IEEE. Article style file and corresponding explanations can be downloaded from the submission site given above.