

CALL FOR PAPERS



ASCE Journal of Computing in Civil Engineering (JCCE)

Special Issue on Big Data in Transportation

Second Annual Symposium on Transportation Informatics

August 4-5, Founder's Hall, George Mason University, Arlington, Virginia

The ASCE Journal of Computing in Civil Engineering, in collaboration with TransInfo, a Tier 1 University Transportation Center, is inviting authors to submit papers in the area of Big Data in Transportation for publication in a forthcoming special issue of the Journal.

Topics of interest:

- Advances in computing technologies and methods applied to transportation data analytics;
- New tools, algorithms and software to support big data analytics in transportation;
- Emerging data sources and innovative applications of big data analytics in transportation;
- Advanced transportation data collection, storage, management and processing systems;
- Advanced data fusion and integration methods applied to address transportation challenges;
- Other contributions containing new insights and findings in transportation big data research

The second annual Symposium on Transportation Informatics will be held on August 4-5, 2016 at George Mason University, Arlington, VA. Authors are encouraged to submit their 500-words abstracts via the TransInfo website using the following submission link:

<https://www.buffalo.edu/content/www/transinfo/Events/2016Symposiummain/abstracts.html>

Authors of a selection of papers will be invited to submit the full paper to the ASCE JCCE special issue for a rigorous review.

Key dates:

- **March 31, 2016: Deadline for submission of abstracts for presentation at the Symposium**
- **May 15, 2016: Authors notified about acceptance to presentation at the Symposium**

- August 4, 5: Second Annual TransInfo Symposium, Founder's Hall, George Mason University, Arlington, VA Campus.
- August 15: Invitations emailed for Special Issue
- October 31, 2016: Deadline for full paper submissions for publication in the JCCE Special Issue
- January 31, 2017: Targeted date for completion of reviews
- July 31, 2016: Targeted date for JCCE Special Issue

Guest editors:

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About JCCE:

The *Journal of Computing in Civil Engineering* serves as a resource to researchers, practitioners, and students on advances and innovative ideas in computing as applicable to the engineering profession. The journal publishes research, implementation, and applications in cross-disciplinary areas including software, such as new programming languages, database-management systems, computer-aided design systems, and expert systems; hardware for robotics, bar coding, remote sensing, data mining, and knowledge acquisition; and strategic issues such as the management of computing resources, implementation strategies, and organizational impacts. For more information about JCCE, please visit: <http://ascelibrary.org/page/iccee5/editorialboard>

About TransInfo:

TransInfo, one of the leading transportation research centers in the United States that is supporting the Internet of Things (IoT) big data revolution and the only Tier 1 University Transportation Center in the nation that specializes in transportation informatics. Transportation Informatics (TransInfo) mines the wealth of data by employing a wide variety of methods, tools and models, including methods from Artificial Intelligence (AI), Machine Learning, Statistics, and Database Systems. When these methods are applied to large datasets (these are now often referred to as “Big Data”) that have been appropriately compiled and fused together, the result is invaluable and actionable information that can help improve transportation systems efficiency, safety, sustainability and resiliency, inform and guide transportation planning, investment decisions, and transportation policies. As this is a quick evolving research field, the symposium will keep an open mind and welcome any transportation research that involves data and advanced computing and data processing methods. For more information on TransInfo, please visit: <http://www.buffalo.edu/transinfo.html>