**CALL FOR CHAPTER PROPOSALS**
**Proposal Submission Deadline: March 15, 2014**
***Geo-Intelligence and Visualization through Big Data Trends***
A book edited by Dr. Burcin Bozkaya (Sabanci University, Turkey)
and Dr. Vivek Kumar Singh (MIT Media Lab, USA)

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**Introduction**
The **Advances in Geospatial Technologies (AGT) Book Series** is a reference source and outlet for research that discusses all aspects of geographic information, including areas such as geomatics, geodesy, GIS, cartography, remote sensing, and other areas. Because geospatial technologies are so pervasive in such a variety of areas, AGT also includes books that address interdisciplinary applications of the technologies.

The last decade has seen a tremendous increase in the size of business and personal data collected: data of all forms but particularly data with spatial (geographic) and temporal dimensions. Smartphones equipped with GPS receivers or location-aware applications, commercial transactions of all kinds with location and time signature, etc. all contribute to petabytes of such data. While business data have been traditionally collected along with many statistical and data-mining techniques to analyze them, lately it is of special interest to analyze and visualize spatio-temporal data; as such analyses may reveal patterns that were not discoverable before. This is the main motivation for this book.

**Objective of the Book**
The aim of this book is to provide recent developments on theoretical as well as empirical research in the area of spatio-temporal big data analysis and visualization. The book will cover not only novel methodologies and approaches to this end, but will also provide case studies where such techniques are currently used in practical settings. The book will also offer insights to practitioners who would like to take away lessons for future implementations of the proposed techniques.

**Target Audience**
The target audience of this book will be composed of researchers and professionals working in the field of spatio-temporal data visualization and analysis, location intelligence and analytics, location-aware data-mining techniques that involve big data. Managers and executives looking for insights into successful implementations of such techniques will also benefit from this book. Finally, instructors who would like to offer methodologies and cases as classroom material will also find this book useful.

**Recommended topics include, but are not limited to, the following:**
Theoretical and empirical research on:

* Spatio-temporal big data visualization techniques
* Spatio-temporal big data analysis techniques
* Spatial data-mining techniques
* Design for spatio-temporal aware databases

Case studies for spatio-temporal big data analysis and visualization

Location analysis tools as decision support aids

Novel location-aware applications for collecting spatio-temporal big data

Spatio-temporal big data taxonomy

**Submission Procedure**
Researchers and practitioners are invited to submit on or before **March 15, 2014**, a 2-3 page chapter proposal clearly explaining the mission and concerns of his or her proposed chapter. Submissions should be made through the link at the bottom of this page. Authors of accepted proposals will be notified by **April 30, 2014** about the status of their proposals and sent chapter guidelines. Full chapters are expected to be submitted by **June 15, 2014**. All submitted chapters will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project.

**Publisher**
This book is scheduled to be published by IGI Global (formerly Idea Group Inc.), publisher of the "Information Science Reference" (formerly Idea Group Reference), "Medical Information Science Reference," "Business Science Reference," and "Engineering Science Reference" imprints. For additional information regarding the publisher, please visit [www.igi-global.com](http://www.igi-global.com/). This publication is anticipated to be released in 2015.

**Important Dates**
**March 15, 2014:** Proposal Submission Deadline
**April 30, 2014:** Notification of Acceptance
**June 15, 2014:** Full Chapter Submission
**August 15, 2014:** Review Results Returned
**September 30, 2014:** Final Acceptance Notification
**October 15, 2014:** Final Chapter Submission

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