

SIGNAL IMAGE AND VIDEO PROCESSING  
SPECIAL ISSUE ON BIG DATA  
CALL FOR PAPERS

With the recent technological advances, the multi-modal data collected by sensors, satellites, cameras, microphones and smart devices have exploded. Widespread usage of mobile technologies, social networks and Web 2.0 also contributes to the collection of vast amount of data and creates a variety of research challenges including analysis, visualization, searching, storage, sharing as well as security and privacy of this data. In order to cope with these challenges, Big Data-driven methods and tools are needed. Special methods and tools optimized for Big Data will enable to extract useful information and make accurate predictions about economic trends, shopping patterns, spread of diseases, and so on.

This special issue aims to collect research contributions addressing theoretical and practical challenges in any aspect of the Big Data field highlighted above. High quality original papers focusing on various dimensions of Big Data, including, velocity, variety, volume and heterogeneity are invited for submission. Topics include, but are not limited to, the following:

- \* Distributed/parallel signal processing
- \* Signal processing over networks and graphs
- \* Processing of large-scale image and video data
- \* Signal, image and video processing using big data processing methods
- \* Scalable methods for signal processing
- \* Big data visualization techniques
- \* Big data compression
- \* Modeling for big data analytics
- \* Machine learning for big data
- \* Data streams and multimedia analytics
- \* Compressed sensing
- \* Scalable recommender systems
- \* Diversity based search and analytics
- \* Social network algorithms, link prediction methods
- \* Information spread and influence maximization
- \* Big data security
- \* Privacy preserving signal processing
- \* Big data applications

#### Submission Procedure

The authors are asked to submit their manuscript through the link <https://www.editorialmanager.com/sivp/> before December 31, 2015 (with Manuscript type as S.I.:Big Data). The manuscripts should adhere the guidelines at <https://www.editorialmanager.com/sivp/>.

#### Important Dates

- \* Deadline for Manuscript Submission: December 31, 2015
- \* First Decision: February 28, 2016
- \* First Revision Due: April 15, 2016
- \* Final Decision: May 15, 2016
- \* Accepted Manuscript Due: June 15, 2016
- \* Possible Publication Date: October 2016

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