

Subject: CFP: Special Issue on "Big Data Analytics and Privacy" in "Journal of Signal Processing Systems (JSPS)"

The era of data deluge has brought the unprecedented amount of data being produced, gathered, used, and stored in numerous ways. One of the most popular research topics in this realm is obtaining additional benefits from the data deluge as well as use the outcomes to increase privacy protections. However, it is also a great challenge for running a giant size of data analytics by using a central processor and storage. A distributed working mode using parallel data processing is an alternative approach for data value acquisitions, by which new privacy issues are introduced as well. Multiple factors need to be considered when an effective mechanism/strategy of big data analytics is formed, which include high performance, privacy, and other constraints, such as energy and power. Current solutions are insufficient or un-scalable to deal with a dramatic big volumes of data. Therefore, exploring new approaches and collecting state-of-the-art techniques in big data analytics and privacy protections have an urgent demand in both academics and industries. This proposed special issue aims to solicit both academic researches and professional contributions focusing on advanced techniques and explorations in big data analytics and privacy protections, which covers all related implementations, mechanisms, model, framework, case studies, and empirical studies.

Paper Submission:

Authors need directly login JSPS submission system and find the SI: "Big Data Analytics and Privacy". Now the submission system is open: <https://www.editorialmanager.com/vlsi/default.aspx>

Scope:

Topics of particular interest include, but are not limited to:

- Scalable data analytics
- Big data analytics techniques and models
- Deep data analytics mechanisms
- In-memory mass data analytics
- Storing, dropping and filtering data
- Relevant/redundant/obsolete data analytics
- Volume vs. semantics analytics
- Nomad analytics
- Predictive analytics
- Trust management in data analytics
- Legal issues analytics
- Failure on data analytics
- Analytics visualization
- Multi-modal support for data analytics
- Big Data platforms
- Big Data persistence and preservation
- Big Data and social networks
- Big Data economics
- High-performance data analytics
- Compressive sampling, matrix completion, low-rank models, and dimensionality reduction
- Efficient learning and clustering
- Robustness to outliers; convergence and complexity issues; performance analysis
- Privacy protection algorithm for cloud-based big data
- Embedded systems security
- Forensics & Hardware security
- Intrusion detection & protocol security
- Malware and unwanted software
- Mobile and Web security and privacy
- Language-based security
- Network and systems security
- Privacy technologies and mechanisms
- Access control and authorization
- Accountability, Anonymity
- Application security, Attacks and defenses

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