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**Special Issue on Elastic Data Management in Cloud Systems**  
International Journal on Computer Systems Science & Engineering  
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**Scope and Topics:**

The adoption of cloud computing is increasingly growing since today's applications continuously produce huge volumes of heterogeneous data that are accessed and shared in large scale environments. The elastic management of such data is one of the most important research areas in cloud computing. It raises new problems regarding modeling, storage, processing, optimization, cost model, replication, data privacy and security, and monitoring services.

The objective of this special issue on 'Elastic Data Management in Cloud Systems' is to address the challenges of data management in cloud environments. We welcome original papers with real research contributions on theoretical, methodological and practical issues in this challenging area. We also encourage papers that address state of the art and trends of data management issues in such environments.

Topics of interest include (but are not limited to):

- Cloud infrastructures for big data management
- Support for scalable and elastic services
- Virtualization for cloud databases
- Service level agreement management for cloud systems
- Business models and economic pricing policies
- Cloud data management for mobile applications
- Data privacy and security
- Transactional model for cloud databases
- High availability, reliability and fault tolerance
- Dynamic data placement issues
- Service discovery
- Query processing, indexing and optimization in cloud computing systems
- Cost models
- Replication and caching
- Data storage
- Partitioning and load balancing
- Database as a service
- Advances in NoSQL databases
- Multi-tenancy and workload isolation
- Languages for massively parallel query execution
- Performance evaluation and benchmarking
- Cloud applications and experiences

**Guest Editors:**

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**Paper Submission Guidelines:**

Authors are invited to electronically submit original research (not currently under review or accepted by another journal) in English. The manuscript must be submitted in pdf [tohameurlain@irit.fr](mailto:tohameurlain@irit.fr).

For further instructions, see "Notes For Authors

(<http://csse.crlpublishing.com/index.php/csse/information/authors>). The authors do not need to register with the journal web site prior to submitting.

The length of submitted manuscripts should not exceed 20 pages.

Submitted papers will be carefully evaluated based on originality, significance, technical soundness and clarity of exposition.

**Important Dates:**

Submission deadline: September 16<sup>th</sup>, 2016

Notification of acceptance: September 30<sup>th</sup>, 2016

Revised version deadline: October 20<sup>th</sup>, 2016

Final decision: November 30<sup>th</sup>, 2016

Final submission: December 15<sup>th</sup>, 2016

Publication (tentative): In the beginning of 2017

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