



Call for Papers

## 8th International Workshop on Self-Managing Database Systems (SMDb)

In conjunction with  
IEEE International Conference on Data Engineering 2013  
Brisbane, Queensland, Australia

<http://smdb2013.cs.pitt.edu>

### Important Dates

#### Paper Submission

November 19, 2012 (abstract)  
November 26, 2012 (full paper)

#### Notification of Acceptance

December 14, 2012

#### Camera-ready due

December 21, 2012

#### Workshop

April 8, 2013 (tentative date)

### Organization

#### Workshop Chairs

Alex Labrinidis (U Pittsburgh)  
Florian Waas (EMC/Greenplum)

#### Contact

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#### Workshop Website

<http://smdb2013.cs.pitt.edu>

#### Steering Committee

Data Engineering Work Group  
on Self-Managing Database  
Systems

The increasing complexity of modern data processing systems calls for self-management capabilities that enable systems to adapt to changing workloads and application scenarios but also facilitate the administration of these systems. In the context of Big Data, the need for such mechanisms is emphasized even more as volume, velocity and variety of data put additional strain on conventional processing platforms.

SMDb is the premier workshop that brings together researchers from academia and industry to exchange ideas, innovations, and experiences around autonomic data management systems and automated administration for data management technology.

Topics of interest include, but are not limited to:

- Principles and architecture of autonomic data management systems
- Self-\* capabilities in databases and storage systems
- Data management in cloud and multi-tenant databases
- Autonomic capabilities in database-as-a-service platforms
- Automated physical database design and adaptive query tuning
- Robust query processing techniques
- Self-managing distributed / decentralized / peer-to-peer information systems
- Self-management for Big Data infrastructures
- Monitoring and diagnostics in data management systems
- Policy automation and visualization for datacenter administration
- User acceptance and trust of autonomic capabilities
- Evaluation criteria for self-managing systems
- Use cases and war stories on deploying autonomic capabilities

All aspects of the submission and notification process will be handled electronically. Papers of up to six pages should be submitted via CMT at <https://cmt.research.microsoft.com/SMDb2013>. Please visit the workshop website for more information and submission guidelines.

