The 5\textsuperscript{th} International Workshop on Self-Managing Database Systems (SMDB’10)

March 1, 2010
Long Beach, California, USA

in conjunction with
The 2010 IEEE 26\textsuperscript{th} International Conference on Data Engineering
March 1–6, 2010

sponsored by
Oracle, IBM, Ingres, and Sybase
MESSAGE FROM THE SMDB’10 WORKSHOP ORGANIZERS

Data management systems are growing rapidly in scale and complexity, while skilled administrators are becoming rarer and more expensive. Adding autonomic, or self-managing, capabilities to these systems promises easier use and maintenance. While considerable progress has been made in this direction, trends like cloud computing, virtualization, and software-as-a-service pose new challenges. Autonomic capabilities need to scale to hundreds of database nodes while taking economic factors into account.

The SMDB workshop brings together innovative researchers and practitioners to exchange ideas related to autonomic data management systems. Previous workshops of the SMDB series focused on core topics in self-managing databases like physical design tuning, problem diagnosis and recovery, and database integration and protection. In addition to these core topics, the 2010 workshop seeks to widen the reach of SMDB to emerging research areas like cloud computing, database testing, multitenant databases, large-scale storage systems, and datacenter administration.

In response to the Call for Papers, we received fifteen full paper submissions. During the review process, each paper was reviewed by three members of the program committee and was also carefully discussed, resulting in the acceptance of six full papers and three short papers. In addition to the presentation track the workshop program includes a keynote talk given by Oliver Ratzesberger, Sr. Director Architecture & Operations at eBay, and a panel session on “Databases, MapReduce, and the Cloud - Oh My! What's in it for the Administrator?”.

We would like to acknowledge many people who have contributed to the success of SMDB’10. First, we are grateful to the members of the executive committee of the Data Engineering Workgroup on Self-Managing Database Systems, Anastasia Ailamaki, Surajit Chaudhuri, Ken Salem, Guy Lohman, and Pat Martin, for their advice and support. We would also like to thank all authors who have submitted papers, as well as all members of the program committee; without them, it would not have been possible to put together a high-quality program for the workshop. We would like to thank Oracle, IBM, Ingres, and Sybase for their generous support of the workshop, and the Conference Management Toolkit (CMT) Support Team at Microsoft Research for making CMT available to us. Finally, we would like to acknowledge the ICDE 2010 workshop organizing committee — in particular Christian S. Jensen and Renee J. Miller for their help.

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