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Wednesday, February 24

Build a Better File System and the World Will Beat A Path to Your Door.
quFiles: The Right File at the Right Time
Kaushik Veeraraghavan and Jason Flinn, University of Michigan; Edmund B. Nightingale, Microsoft Research, Redmond; Brian Noble, University of Michigan

Tracking Back References in a Write-Anywhere File System
Peter Macko and Margo Seltzer, Harvard University; Keith A. Smith, NetApp, Inc.

End-to-end Data Integrity for File Systems: A ZFS Case Study
Yupu Zhang, Abhishek Rajimwale, Andrea C. Arpaci-Dusseau, and Remzi H. Arpaci-Dusseau, University of Wisconsin—Madison

Looking for Trouble
Black-Box Problem Diagnosis in Parallel File Systems
Michael P. Kasick, Carnegie Mellon University; Jiaqi Tan, DSO National Labs, Singapore; Rajeev Gandhi and Priya Narasimhan, Carnegie Mellon University

A Clean-Slate Look at Disk Scrubbing
Alina Oprea and Ari Juels, RSA Laboratories

Understanding Latent Sector Errors and How to Protect Against Them
Bianca Schroeder, Sotirios Damouras, and Phillipa Gill, University of Toronto

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Flash: Savior of the Universe?
DFS: A File System for Virtualized Flash Storage
William K. Josephson and Lars A. Bongo, Princeton University; David Flynn, Fusion-io; Kai Li, Princeton University

Extending SSD Lifetimes with Disk-Based Write Caches
Gokul Soundararajan, University of Toronto; Vijayan Prabhakaran, Mahesh Balakrishnan, and Ted Wobber, Microsoft Research Silicon Valley

Write Endurance in Flash Drives: Measurements and Analysis
Simona Boboila and Peter Desnoyers, Northeastern University
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