## 7th USENIX Conference on File and Storage Technologies February 24–27, 2009 San Francisco, CA, USA

Message from the Program Co-Chairs
Wednesday, February 25
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Augmenting File System Functionality  The Case of the Fake Picasso: Preventing History Forgery with Secure Provenance
Causality-Based Versioning
Enabling Transactional File Access via Lightweight Kernel Extensions
Diagnosis
Understanding Customer Problem Troubleshooting from Storage System Logs
DIADS: Addressing the "My-Problem-or-Yours" Syndrome with Integrated SAN and Database Diagnosis 57 Shivnath Babu and Nedyalko Borisov, Duke University; Sandeep Uttamchandani, Ramani Routray, and Aameek Singh, IBM Almaden Research Center
Thursday, February 26
Scheduling
Dynamic Resource Allocation for Database Servers Running on Virtual Storage
PARDA: Proportional Allocation of Resources for Distributed Storage Access
CA-NFS: A Congestion-Aware Network File System
Tools You Wish You Had
Sparse Indexing: Large Scale, Inline Deduplication Using Sampling and Locality
Generating Realistic <i>Impressions</i> for File-System Benchmarking
Capture, Conversion, and Analysis of an Intense NFS Workload

## Thursday, February 26 (continued)

Metadata and Optimization
Spyglass: Fast, Scalable Metadata Search for Large-Scale Storage Systems
Perspective: Semantic Data Management for the Home
BORG: Block-reORGanization for Self-optimizing Storage Systems
Distributed Storage  HYDRAstor: A Scalable Secondary Storage
Smoke and Mirrors: Reflecting Files at a Geographically Remote Location Without Loss of Performance 211 Hakim Weatherspoon, Lakshmi Ganesh, and Tudor Marian, Cornell University; Mahesh Balakrishnan, Microsoft Research, Silicon Valley; Ken Birman, Cornell University
Cumulus: Filesystem Backup to the Cloud
Friday, February 27
Data Integrity
WorkOut: I/O Workload Outsourcing for Boosting RAID Reconstruction Performance
A Performance Evaluation and Examination of Open-Source Erasure Coding Libraries for Storage
Tiered Fault Tolerance for Long-Term Integrity
Controllers and Caching
A Systematic Approach to System State Restoration during Storage Controller Micro-Recovery
CLIC: CLient-Informed Caching for Storage Servers
Minuet: Rethinking Concurrency Control in Storage Area Networks
Andrey Ermolinskiy and Daekyeong Moon, University of California, Berkeley; Byung-Gon Chun, Intel Research, Berkeley; Scott Shenker, University of California, Berkeley, and ICSI