Call for Participation
21st ACM Symposium on Operating Systems Principles

October 14 to 17 2007
Skamania Lodge
Stevenson, WA USA
http://www.sosp2007.org/

Sponsored by
ACM SIGOPS

General Chair: Thomas C. Bressoud
Denison University
Program Chair: M. Frans Kaashoek
MIT

Special Program:
Women's Workshop, Oct. 13-14

Invited Talk:
Ed Lazowska, U Washington - Seattle

Deadlines:
August 15: Travel Scholarship Application
August 20: Poster Submission
August 20: Work-in-Progress Submission
September 7: Early Registration

Supported by:

Web Meets Operating Systems
Protection and Communication Abstractions for Web Browsers in MashupOS

AjaxScope: A Platform for Remotely Monitoring the Client-side Behavior of Web 2.0 Applications

Secure Web Applications via Automatic Partitioning

Byzantine Fault Tolerance
Zyzzyva: Speculative Byzantine Fault Tolerance

Tolerating Byzantine Faults in Database Systems using Commit Barrier Scheduling

Low-Overhead Byzantine Fault-Tolerant Storage

Concurrency
TxLinux: Using and Managing Hardware Transactional Memory in the Operating System

MUVI: Automatically Inferring Multi-Variable Access Correlations and Detecting Related Semantic and Concurrency Bugs

Software Robustness
Bouncer: Securing Software by Blocking Bad Input

Triage: Diagnosing Production Run Failures at the User's Site

/* iComment: Bugs or Bad Comments? */

Distributed Systems
Sinfonia: A New Paradigm for Building Scalable Distributed Systems

PeerReview: Practical Accountability for Distributed Systems

Attested Append-Only Memory: Making Adversaries Stick to their Word

Dynamo: Amazon's Highly Available Key-Value Store

System Maintenance
Staged Deployment in Mirage, an Integrated Software Upgrade Testing and Distribution System

AutoBash: Improving Configuration Management with Operating System Causality Analysis

Energy
Integrating Concurrency Control and Energy Management in Device Drivers

VirtualPower: Coordinated Power Management in Virtualized Enterprise Systems

Storage
DejaView: A Personal Virtual Computer Recorder

Improving File System Reliability with I/O Shepherding

Generalized File System Dependencies

Operating System Security
Information Flow Control For Standard OS Abstractions

SecVisor: A Tiny Hypervisor to Provide Lifetime Kernel Code Integrity for Commodity Oses

Secure Virtual Architecture: A Safe Execution Environment for Commodity Operating Systems