

Scale/New Arch/New Paradigms

Marti Bancroft

Workshop Session Themes

- Revolution – today and tomorrow AM
- Evolution – tomorrow
- Breakouts: encourage novel approaches, identification of new gaps, collegial discussion
- Two caveats:
 - advice from Honeywell mentor (multi-decades ago but still valid)
 - “where’s the money?”

This Session's Talks

- 11:20 AM 11:40 AM John Chandy, UConn
 - “Active Object Storage to Enable Scalable & Reliable Parallel File System”
- 11:40 AM 12:00 AM Tong Zhang, RPI
 - “Pushing the Performance Limit of NAND Flash Memory in Computing Systems: A True Device-Aware System Design Perspective”
- **12:00 noon 1:00 PM Lunch FSF A,B**

Session Talks

- 1:00 PM 1:20 PM Jack Dennis, MIT
 - “Programming Models & Storage System for High Performance Computation w/Many-Core Processors”
- 1:20 PM 1:40 PM Hierarchy Xiaodong Zhang, OSU
 - “Making SSD Play Performance –, Cost -, And Energy-Effective Roles in Storage”
- 1:40 PM 2:00 PM Bradley Kuszmaul, MIT/Michael Bender, Stony Brook
 - “Multidimensional & String Indexes For Streaming Data”