Storage Architecture Track Overview
Day 1

Bill Martin
Co-Chair SNIA Technical Council
Talks in the Storage Architecture track

- Unlocking the New Performance and QoS Capabilities of the Software Enabled Flash™ API
- Using Block Translation and Atomic Updates to Optimize All Flash Array Storage
- SmartNIC composable framework for flexible system partitioning
- Rethinking Distributed Storage System Architecture for Fast Storage Devices
- Breaking the Ten Millions IOPS barrier for RAID
- Is Gaming changing the Storage Architecture Landscape?
- Cloud Data Center Designs Will Become HyperDisaggregated
- Tiered Storage Deployments with 24G SAS
Unlocking the New Performance and QoS Capabilities of the Software-Enabled Flash™ API

Rory Bolt
KIOXIA America, Inc

- A Media-Based, Host Managed Hardware Approach
- Open sourced API and libraries providing functionality hyperscalers demand.
Fine Grained Block Translation

Douglas Dumitru
EasyCo LLC
www.WildFire-Storage.com

- Using Block Translation and Atomic Updates to Optimize All Flash Array Storage
SmartNIC composable framework for flexible system partition

Rémy GAUGUEY
Kalray

- Fully programmable Smart Storage adapter
  - leverages NVMe-oF technology to offload servers from heavy storage disaggregation task
  - pave the way toward a fully Composable Infrastructure
Rethinking Distributed Storage System Architecture for Fast Storage Devices

Myoungwon Oh
Samsung Electronics

- Lightweight Data Store
- Thread Control
- Replication Offloading using NVMe-oF
Breaking the Ten Millions IOps Barrier for RAID

Sergei Platonov
RAIDIX

- New RAID architecture to take advantage of
  - Large number of NVMe drives in a chasis
  - Faster flash technologies
  - Faster PCIe bus
Is Gaming changing the Storage Architecture Landscape?

Leah Schoeb
AMD

- Gaming overview
- Storage
- Cloud Gaming
Future Data Centers Will Be Hyperdisaggregated

Jai Menon
Fungible

- Current data centers are inefficient for data-centric computations
- Future data centers will be hyperdisaggregated
- Fungible solutions
Tiered Storage Deployments with 24G SAS

Jeremiah Tussey
Vice President, SCSI Trade Association

- Enterprise Storage Market Update
- 24G SAS Enhancements
- Data Center Applications and Examples
- Storage Tiers Using 24G SAS
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- Please be sure you rate each session you watch – you’ll see a box under the video
- For additional details see the *Introduction to Virtual SDC* video ([https://www.snia.org/SDCintro](https://www.snia.org/SDCintro))

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