SNIA®

Storage Networking Industry Association

Michael Oros
Executive Director

170
industry leading
organizations

2,500
active contributing
members

50,000
IT end users & storage
pros worldwide

Learn more: www.snia.org   @SNIA

SNIA Vision and Mission

Vision Statement

◆ Be the globally recognized and trusted authority for storage leadership, standards, and technology expertise.

Mission Statement

◆ Lead the storage industry worldwide in developing and promoting vendor-neutral architectures, standards, and educational services that facilitate the efficient management, movement, and security of information.

What We Do

- ◆ **Standards Development and Adoption**
  - Spec development; submissions for International Standard ratification (ISO/IEC)
  - Open source software to accelerate adoption
- ◆ **Interoperability Assurance**
  - Plugfests & conformance testing
- ◆ **Technology Acceleration and Promotion**
  - Special Interest Groups to promote technologies
  - Vendor collaboration to accelerate adoption
- ◆ **Global Vendor-Neutral Education**
  - Peer-reviewed webcasts and tutorials
  - Conferences and presentations
  - White papers, articles, blogs, etc.
  - IT training and certification courses

Areas of Focus

PERSISTENT MEMORY
- NVDIMMs
- Non-Volatile Memory Programming Model

PHYSICAL STORAGE
- Solid State Storage
- Hyperscaler Storage
- Object Drives
- Connectors, Form Factors & Transceivers

POWER EFFICIENCY MEASUREMENT
- SNIA Emerald™ Power Efficiency

DATA MANAGEMENT
- Protection
- Integrity
- Retention

NEXT GENERATION DATA CENTER
- Software Defined Storage
- Composable Infrastructure
- Next Generation Storage Management API

DATA SECURITY
- Storage Security
- Privacy and Data Protection Regulations

NETWORKED STORAGE
- Data Access Protocols
- Networking Technologies for Storage

CLOUD STORAGE TECHNOLOGIES
- Data Orchestration
- Data into and out of the Cloud

STORAGE MANAGEMENT
- Device and System Management
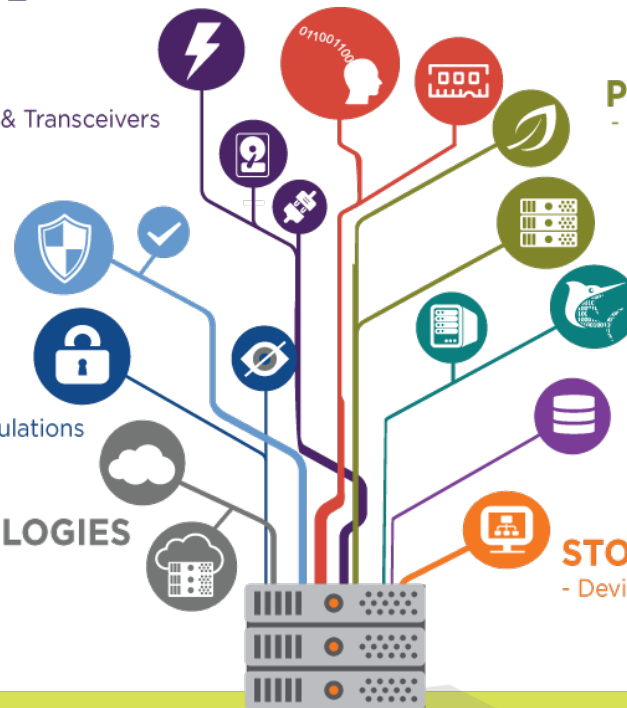
2018 Technical Work Group Activity

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PERSISTENT MEMORY
- Non-Volatile Memory Programming Model (NVMPM) v1.3
- Persistent Memory Hardware Threat Model v1.0
- NVMPM Remote Access for High Availability White Paper

PHYSICAL STORAGE
- Solid State Storage Performance Test Spec v2.0
- Object Drive Key Value API Spec v1.0
- SFF Technology Affiliate:
  Connector, Form Factor and Transceiver Standards
- Real World Workload Spec for Datacenter Storage v1.0

POWER EFFICIENCY MEASUREMENT
- SNIA Emerald™ Power Efficiency
  Measurement Spec v3.0 & v4.0

DATA MANAGEMENT
- Linear Tape File System Format Spec v3.0

NEXT GENERATION DATA CENTER
- SNIA Swordfish™ v1.0.6 – RESTful Storage
  Management API for Cloud Data Centers
- Swordfish Emulator and Basic Web Client Software

DATA SECURITY
- Data Protection White Paper
- Transport Layer Security for Storage Spec v1.1

NETWORKED STORAGE
- Requirements for Cross-Industry Alliances

CLOUD STORAGE TECHNOLOGIES
- Cloud Data Management Interface (CDMI) Spec v2.0
- CDMI Reference Implementation v1.0

STORAGE MANAGEMENT
- Storage Management Initiative Specification (SMI-S) v1.8
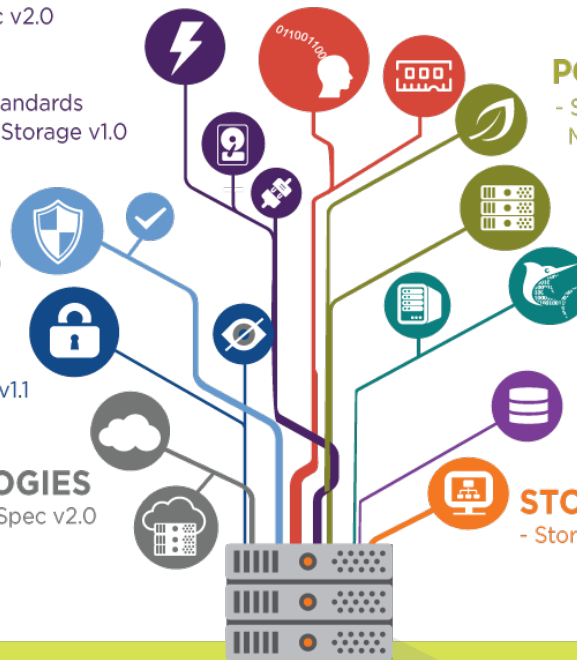
2018 Technology Communities

- ## Cloud Storage
  - Data Management, Movement, and Orchestration

- ## Ethernet Storage
  - Next generation enterprise and cloud storage infrastructure

- ## Green Storage
  - Power efficiency

- ## Solid State Storage
  - Flash; NVDIMM; Persistent Memory; workloads and performance management

- ## Storage Management
  - Current and emerging storage management standards

- ## Transceivers and Formfactors

Top 3 Reasons to Join SNIA

INFLUENCE

✓ Influence storage technologies important to the marketplace
✓ Amplify your vendor storage expertise and reputation
✓ Participate in the development of international standards

COLLABORATE

✓ Participate in multi-vendor interoperability activities
✓ Gain insight into disruptive industry trends
✓ Form strategic alliance partnerships
✓ Develop relationships throughout the industry

LEAD THE INDUSTRY

✓ Educate on all things storage
✓ Drive standards development and adoption
✓ Align strategic business objectives with worldwide standards

SNIA – Events and Certification

- Register for SNIA's Storage Developer Conference (www.snia.org/sdc) September 24-27, Hyatt Regency, Santa Clara, CA
  - FMS attendees receive a **$200 discount!** Register at https://www.regonline.com?eventID=2174546&rTypeID=772065 and use Registration code SDC18FMS

- SNIA's Persistent Memory Summit (www.snia.org/pm-summit) January 24th at the Hyatt Regency, Santa Clara, CA
  - Registration is free! Register at https://www.snia.org/events/persistent-memory-summit/persistent-memory-summit-2019-registration

- Get SNIA Certified! More information can be found at https://www.snia.org/education/certification

SNIA – Newsletters, Media, Social Media

- SNIA Matters Newsletter – subscribe at https://www.snia.org/news_events/news/snia_matters
- SNIA on YouTube – Hundreds of Technology-focused presentations are available for free at https://www.youtube.com/user/SNIAVideo
- SNIA Webcasts on BrightTalk – view upcoming and on-demand webcasts at https://www.brighttalk.com/channel/663/snia-webcasts
- SNIA Podcasts - https://www.snia.org/events/storage-developer/podcasts
- SNIA on Storage Blog - http://sniablog.org
- SNIA on Twitter - https://twitter.com/SNIA
- SNIA on LinkedIn - https://www.linkedin.com/company/snia/
- SNIA on Facebook - https://www.facebook.com/SNIA.ORG

SNIA Activities at FMS 2018

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❖ **Tuesday August 7**

- ◆ **3:40 – 6:00 pm –** *Persistent Memory Track - Hardware* sponsored by SNIA, JEDEC & OFA Ballroom E
- ◆ **4:00 – 7:00 pm –** SNIA in Booth #820 featuring Persistent Memory demos, Exhibit Hall
- ◆ **7:15 – 9:00 pm –** *FMS Chat with the Experts* – SNIA leadership at tables on persistent memory, NVDIMM, and Remote Persistent Memory – Ballrooms A-E

❖ **Wednesday August 8**

- ◆ **8:30 – 10:50 am –** *Persistent Memory Track - Software & Applications* – GAB J
- ◆ **8:30 – 10:50 am -** *New Flexible Form Factors for Enterprise & Data Center SSDs Session* – GAB K
- ◆ **8:30 – 9:35 am –** *Testing/Performance Analysis Session* – Ballroom F
- ◆ **12:00 – 7:00 pm –** SNIA in Booth #820 featuring Persistent Memory demos, Exhibit Hall
- ◆ **3:20 – 5:45 pm –** Persistent Memory Track – Remote Persistent Memory – GABR 3

❖ **Thursday, August 9**

- ◆ **10:00 – 2:30 pm –** SNIA in Booth #820 featuring Persistent Memory demos, Exhibit Hall