

A decorative horizontal bar is located at the top of the slide, below the SNIA logo. It consists of a series of colored squares in shades of purple, blue, orange, and yellow, arranged in a repeating pattern.

# Storage Networking Industry Association (SNIA)

## Technical Activities Update

April 2019

- **Linear Tape File System Format Specification v2.5 rev 1**
  - ◆ This document defines a Linear Tape File System (LTFS) Format separate from any implementation on data storage media. Using this format, data is stored in LTFS Volumes. An LTFS Volume holds data files and corresponding metadata to completely describe the directory and file structures stored on the volume.

<http://www.snia.org/publicreview>

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- Linear Tape File System Format Specification v2.5 rev 1
- NVM PM Remote Access for High Availability v1.08
- Key Value Storage API Specification v0.25
- DRAFT CDMI Extensions and Profiles

**Check them out! - Provide Feedback!**  
***Participate in their development!***

# Storage Developer Podcast: Latest Episode



This week's highlighted Podcast:

## #91: Memory Class Storage and its Impact

by Bill Gervasi, Principal Systems Architect,  
Nantero

Nantero NRAM™ is a new class of memory with the potential to add non-volatility to existing RAM applications. It can be arranged in a crosspoint structure for large memories or a 1T-nR arrangement for smaller faster arrays, in standalone devices or as embedded RAM. NRAM uses carbon nanotubes in a dielectric-free structure to achieve unlimited write endurance. While there are obvious advantages to this class of device, including replacing DRAM in storage devices, there are a number of less obvious changes to how designers approach the data storage hierarchy. Decoupling cache size from battery backup power lets designers rethink performance profiles. Exploitation of various interfaces into the system are examined, from SATA to PCIe to the many options in the DRAM bus. This presentation also explores the growing application space for artificial intelligence, deep learning, and in-memory computing and considers the impact of a high performance non-volatile memory in those use cases.

# Storage Developer Podcast: Upcoming Episodes



- Fibre Channel – The Most Trusted Fabric Delivers NVMe
- Redfish Ecosystem Update
- Key Value Storage Standardization Progress
- Tunneling through Barriers: The Key to the Evolution of Solid State Memory
- Solid State Datacenter Transformation

<http://www.snia.org/podcasts>

# Upcoming Storage Developer Event



**SDC**<sup>19</sup>  
SNIA INDIA

**SDC India**

May 23 - May 24, 2019

Bangalore, India

[www.snia.org/SDCIndia](http://www.snia.org/SDCIndia)

# Upcoming Storage Developer Event



Taking place on **September 23-26, 2019** in Santa Clara, CA, SNIA's Storage Developer Conference (SDC) is the destination for technical discussions and education on the latest storage technologies and standards

## Speak at SDC 2019

Gain exposure to the work you are doing. Share your knowledge and experience by submitting a proposal for consideration today!

[www.storagedeveloper.org](http://www.storagedeveloper.org)

# Upcoming SNIA Technical Symposium



Taking place in two weeks, **April 23-25, 2019**, in Cambridge, MA. *Great opportunity to learn and network with the Technical Work Groups!*

	Room 1	Room 2	Room 3
<b>Tuesday</b> 8:30 - Noon	Cloud Storage TWG	SSM TWG	
<b>Tuesday</b> 1:00 -5:00	Object Drive TWG	SSM TWG	
<b>Wednesday</b> 8:30 - Noon	Computational Storage TWG	SSM TWG	NVM Programming TWG
<b>Wednesday</b> 1:00 - 5:00	Computational Storage TWG	SSM TWG	NVM Programming TWG
<b>Wednesday</b> 7pm - 9pm	Team Building Event:		
<b>Thursday</b> 8:30 - Noon	SNIA Board	Workload TWG	
<b>Thursday</b> 1:00 - 5:00	SNIA Board	Solid State Storage System (S4) TWG	
<b>Friday</b> 8:00 - 1:00	SNIA Board	SNIA Technical Council	

<https://www.snia.org/events/technicalsymposia>

# Important SNIA Links

- <http://www.snia.org/standards/>
- <http://www.snia.org/software/>
- <http://www.snia.org/publicreview/>
- <http://www.snia.org/feedback/>
  - ◆ Public feedback submission form for draft SNIA Technical Work
- <http://www.snia.org/dictionary/>
  - ◆ Current SNIA Dictionary
- <http://www.sniacloud.org>
  - ◆ Latest news on SNIA Cloud activities
- <http://www.storagedeveloper.org>
  - ◆ SNIA Storage Developer Conference (SDC)
- <http://www.snia.org/podcasts/>
  - ◆ SDC Podcasts