

PCIe SSD & TechDev Committees & SSS TWG

Get involved, advance your career, & develop relationships!



The **PCIe SSD Committee** provides guidance to the marketplace on PCIe SSDs. This can take the form of educational materials, best practices documents and SNIA standards. This committee also coordinates with other industry organizations involved in PCIe SSD-related activities. Stay consistent with the messaging developed by these organizations and do not reinvent materials, when such materials already exist and are accessible.



The **TechDev Committee** continues to explore workload IO captures. The WIOCP tool has been updated to allow capture of Enterprise Windows Server 2012 R2 workloads in addition to the Client Windows workloads. Installation and download of the WIOCP has been streamlined as well. Interested parties are encouraged to download the tool at <http://www.snia.org/forums/sssi/wiocp>. TechDev also continues work to qualify hardware for listing with the PTS specification. This includes 12Gb/s HBA cards, SFF 8639 platforms, M.2 interposer cards and motherboards for Client dev sleep.



SIG news.

NVDIMM Special Interest Group (NVDIMM SIG)

The SSSI NVDIMM SIG has been formed to accelerate awareness and adoption of Non-Volatile Dual In-line Memory Modules (NVDIMMs) in the marketplace by:

- Providing education on how system vendors can "design-in" NVDIMMs.
- Communicating existing industry standards, and areas for vendor differentiation.
- Helping technology and solution vendors whose products integrate NVDIMMs to communicate their benefits and value to the greater market.
- Developing vendor-agnostic user perspective case studies, best practices, and vertical industry requirements to help end user customers understand how products and solutions can meet performance, cost, and efficiency goals.

Committee Calls.

Regular **PCIe SSD conference calls** are held the 2nd Monday of every month at **4pm PDT** and feature a guest speaker on topics of interest.

Be sure to join us! All presentations are posted on the SSSI public page & call details are listed on the SSSI and Marketing Committee calendars.

Regular **SSSI Marketing Committee conference calls** are held the 2nd & 4th Monday of every month at **2pm PDT**.

For more information, send a message to asksssi@snia.org

Let's Get Social!

Please follow us on Twitter @SNIASolidState for the latest and greatest information about committees, events, collateral, and much more! & check out our awesome [SSSI Blog](#) while you're at it!



During the most recent Flash Memory Summit in Santa Clara, California this month, the SSSI featured activities of its NVDIMM SIG, which provides education, promotes existing industry standards and areas for vendor differentiation, and relays the benefits of NVDIMM.

Membership in the NVDIMM SIG has grown to include Agiga Tech, Calypso Systems, Diablo Technologies, Fujitsu, HGST, IDT, Inphi, Intel, Micron, Netlist, Paper Battery, Samsung, SanDisk, SK Hynix, SMART Modular Technologies, and Viking Technology.

NVDIMM solutions were featured in active and static displays in SSSI booth 808 on the FMS exhibit floor. A "Non-Volatile DIMMs: When Flash Isn't Fast Enough" Hands-On Lab was successfully presented by the SNIA NVDIMM SIG with members Agiga Tech, Netlist, and SMART Modular illustrating how one category of NVDIMMs function in server and storage systems which showed how they can be integrated into a standard server

Flash Memory Summit recap!

Demonstrations of the latest NVDIMM solutions were shown in the SNIA SSSI Expo booth, an NVDIMM SIG Hands-On Lab, and NVDIMM educational conference sessions were presented. SNIA SSSI also hosted an Education Day on Monday August 4th, with industry recognized SNIA Tutorials on flash and storage followed by an evening reception featuring presentations from industry experts. SNIA also organized an FMS Software Forum featuring presentations on the NVM Programming Model. The Non-Volatile DIMM Special Interest Group (NVDIMM SIG) has officially joined the SNIA Solid State Storage Initiative, becoming a new focus area for the SSSI

SSSI speakers at FMS this month included "Let's hear it for the latest in PCIe SSDs - A panel" - Session 201-c 8:30 - 9:35 Wed. Aug. 7. Moderated by Eden Kim of Calypso, this panel investigated the newest technologies and deployment strategies for PCIe SSDs and other emerging technologies. The 6 person panel included Swapna Yasurapu of HGST, Brett Cameron of Toshiba, Jim Papps of Intel, Jon Tanguay of Micron, Keun-soo Jo of Samsung, Rob Callaghan of Sandisk, Marty Czekalski of Seagate and Cameron Brett of Toshiba. Walt Hubis, Hubis Associates, nicely led a SSSI tutorial called "Practical Secure Storage: A Vendor Agnostic Overview" while Eden Kim of Calypso also led an SSSI tutorial on "Synthetic Enterprise Workload testing". Walt and Eden participated on the SSSI tutorial panel as well. Eden Kim gave two presentations as well, titled "Capturing Client Workloads for SSD Evaluation" and "Measuring SSD Performance by Storage Class".

