

## PCIe SSD & TechDev Committees & SSS TWG News.



Get involved, advance your career, & develop relationships!



### TechDev Committee

TechDev continues to explore workload IO captures. The WIOCP tool has just 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.

### PCIe SSD Committee

The PCIe SSD Committee will host an open call on Monday August 11 at 4 pm and recap many of the interesting presentations given at FMS.

### SSS TWG

The SSS TWG meets on August 28 at 4 pm and will review modifications to the PTS-E and PTS-C specifications as well as consider adding new work items to the TWG charter.



## Committee Calls.

Regular **PCIe SSD conference calls** are held the 2<sup>nd</sup> 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 2<sup>nd</sup> & 4th Monday of every month at **2pm PDT**.

For more information, send a message to [asksssi@snia.org](mailto: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!



## Events.

### Join the SNIA & SSSI at FMS!

The SNIA and the Solid State Storage Initiative (SSSI) invite SNIA members and non-members alike to attend Flash Memory Summit 2014, August 4-7, 2014 at the Santa Clara Convention Center.

SNIA at Flash Memory Summit offers an all star keynote lineup, including SNIA Member companies Dell, Diablo, Fusion-io, IBM, Intel, Marvell, Micron, NetApp, PMC-Sierra, Samsung, and SanDisk. SSSI members will lead panels and sessions on SSD, NVDIMM, and NVM Programming.

A SNIA Education Day on Monday, August 4 in Room 203/204 of the Santa Clara Convention Center will feature award-winning SNIA Tutorials on Flash and Storage where attendees can learn about secure storage, SSD workload testing, benefits of Flash storage to the enterprise, PCI Express, and Flash storage architectures from SNIA member experts. This Education Day is complimentary to all FMS attendees.

Following the Education Day, all are welcome to attend a **Solid State Storage Reception Monday August 4<sup>th</sup>** evening from 5:30 pm – 7:00 pm in Room 203/204 featuring updates on the solid state disk market, an NVDIMM presentation, and an NVM Programming Model overview. Visit displays that highlight SNIA Solid State Initiative programs, including Non Volatile Memory Programming and Performance Testing. Learn how you can participate in the exciting 2014 programs of the SSSI.

A Non-Volatile DIMMs: When Flash Isn't Fast Enough Hands-On Lab presented by the NVDIMM SIG and SIG member companies AgigaTech, Netlist, and SMART Modular will illustrate how a category of NVDIMMs function in server and storage systems and how they can be integrated into a standard server platform.

And don't forget to stop by SNIA SSSI Booth 808 in the Exhibit Hall to check out five static and two live NVDIMM displays and new whitepapers, brochures, and news on SSDs.

Register now at [www.flashmemorysummit.com](http://www.flashmemorysummit.com)

## Flash Memory Summit

**SNIA Booth #808** Demonstrations of the latest NVDIMM solutions in the SNIA SSSI Expo booth, an NVDIMM SIG Hands-On Lab, and NVDIMM educational conference sessions. SNIA SSSI hosting Education Day on Monday August 4<sup>th</sup>, with industry recognized SNIA Tutorials on flash and storage followed by an evening reception featuring presentations from industry experts. SNIA organizing a FMS Software Forum featuring presentations on the NVM Programming Model. The Non-Volatile DIMM Special Interest Group (NVDIMM SIG) officially joins the SNIA Solid State Storage Initiative, becoming a new focus area for the SSSI

**NVDIMM Special Interest Group** During the conference, the SSSI will feature activities of its NVDIMM SIG, which provides education, promotes existing industry standards and areas for vendor differentiation, and communicates 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 will be 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, presented by the SNIA NVDIMM SIG with members Agiga Tech, Netlist, and SMART Modular, will illustrate how one category of NVDIMMs function in server and storage systems and how they can be integrated into a standard server platform.

**FMS Software Forum** SSSI members will lead a Software Forum featuring the SNIA NVM Programming Model which defines new software programming models for NVM, describing extensions allowing software to utilize NVM features. "SNIA's Solid State Storage Initiative has done an amazing job of helping the industry understand and embrace the near-overnight adoption of SSD technology while establishing important performance test standards and NVM programming guidelines," said Jim Handy, Director at Objective Analysis. "SSSI has helped to guide the sudden global acceptance of solid state storage by rapidly assembling and disseminating knowledge that helps users to evaluate, select, and harness the technology to bring about phenomenal improvements in the price/performance of computing."

**SSSI Speakers** "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 investigates the newest technologies and deployment strategies for PCIe SSDs and other emerging technologies. The 6 person panel includes 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, will lead a Monday SSSI tutorial at 9:30 - 10:15 am "**Practical Secure Storage: A Vendor Agnostic Overview**" while Eden Kim of Calypso will lead a Monday SSSI tutorial on "Synthetic Enterprise Workload testing" at 10:20 - 11:35. Walt and Eden will participate on the SSSI tutorial panel at 3:15 - 3:55 pm. Eden Kim will also give two presentations: "Capturing Client Workloads for SSD Evaluation" on Tue at 8:30 am (session 101-A) and "Measuring SSD Performance by Storage Class on Wed at 3:20 pm (session 203-c).