

TechDev Committee & SSS TWG News.

Get involved, advance your career, & develop relationships!

TechDev meets on the first Monday of the month at 2pm PDT. TechDev continues to explore the Client Composite Workload (CCW) - a synthetic composite test stimulus based on captures of client PC usage. Use of a CCW can allow users to rank client SSDs in order of performance by using a single CCW workload. The CCW is updated as SSSI receives data from the WIOCP Incentive Program. You can join this effort by visiting the WIOCP Incentive program at <http://snia.org/forums/ssi/wiocrp>

TechDev is also evaluating and qualifying hardware for listing with the SNIA PTS Reference Test Platform, or RTP. Standard RTP components allow an "apples-to-apples" comparison of SSDs using the PTS because the hardware is normalized by use of identical hardware components. Items currently being qualified include M.2 adapter cards, SFF 8639 backplanes and motherboard system, 12Gb/s HBA cards and client motherboards with DevSleep capability. Interested parties may submit hardware to the TechDev for consideration.

The SSS TWG meets on the 3rd Monday of each month at 4 PM PDT. This month, the TWG re visits use of Segmentation code in the Client PTS-C specification. The TWG is also evaluating use of an Enterprise Synthetic workload test template that allows users to insert the application access pattern(s) of interest and test them using proven SSS PTS test methodologies (for pre-conditioning and steady state). Adoption of this test template will allow users to add specific workload tests



Events.

DSI Highlights Solid State.

Solid State Storage and the SNIA SSSI were well represented at the recent SNIA Data Storage Innovation conference in Santa Clara, CA. Andy Warfield of Coho Data offered a keynote focused on architecting with Flash for webscale enterprise storage.

Adrian Proctor, NVDIMM SIG Chair (Viking) and David Dale SNIA Chairman (NetApp) presented SNIA Tutorial Storage in the DIMM Socket and Benefits of Flash in Enterprise Storage. Tom Coughlin, SSSI Education Chair (Coughlin Associates) gave an overview of emerging storage and memory technologies. Eden Kim, SSS TWG Chair (Calypso), discussed SSS synthetic enterprise application workloads.

Doug Voigt, NVM Programming TWG Co-Chair (HP) outlined the way to the Non-Volatile Memory frontier. And other Solid State Storage presentations highlighted speed, flash architecture, utilizing ultra-low latency, and changing the economics of flash storage. See more at the website www.snia.org/events/dsicon2014/presentations and enter username DSI2014 and password innovation to access the conference materials.



Coming up next month, SSSI will also be hosting a webcast about M.2 SSDs on June 10. Topics will include an M.2 Market Overview, M.2 Cards, M.2 Connection Schemes, NVM Express, and M.2 Performance... so stay tuned!

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.

April had a presentation on the NVDIMM-SIG by chair Adrian Proctor of Viking. May had a presentation by Jon Tanguy of Micron on M.2 SSD storage.

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.

Please contact the Marketing Committee Chair, Jim Ryan, for further information at jim.ryan@intel.com

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!



Join the WIOCP program, get an Amazon gift card & qualify to win an Intel SSD!



The SSSI promotes SSD's in the marketplace, and in turn also develops performance measurement metrics for solid state storage devices. Our various programs contribute to improvements in PC and server performance, network efficiency and other benefits. We are asking you to participate in a volunteer incentive effort to understand exactly what happens to disk drives when you use your computer for your everyday actions. It doesn't cost you anything. In fact, we will reward you for collecting data that will allow us to identify patterns of storage access by various applications. So, get on board and be a part of something exciting!



Win an Amazon gift card & an SSD while helping develop next generation Solid State Drives!

Get with the Workload I/O Capture Program! Be a part of history in the industry and win some cool stuff while you're at it.



What exactly does the WIOCP capture?

The WIOCP (<http://snia.org/forums/ssi/wiocrp>) captures I/O statistics unobtrusively and without compromising your PC's performance. No personal data or content is captured - only statistics on the types of data transfers that occur. This helps the SNIA SSSI & industry understand what actually takes place with your drive when you use your PC. Got more questions? Find the answers at <http://tinyurl.com/wiocrp-details>. So... what are you waiting for? Let's do this!

What do I do?

Download a simple program that runs in the background on your computer. Use your Windows PC (sorry, no Macs or Linux) as you normally would & forget that you ever installed anything. This program automatically collects statistics on your disk input/output activity. You are automatically notified when the 7-day collection period has ended & given steps on how to email us the statistics files & remove the program. Visit <http://tinyurl.com/wiocrp-program> and follow the steps.

What do I get for participating?

This is an incentive program. So the more sets of statistics you return, the greater the potential incentive. If you participate and return one set of statistics, you qualify to win a \$10 Amazon gift card and to be in a drawing for a free Intel SSD. The more results you submit, the better your chances of winning. Who doesn't want more stuff from Amazon or a screaming fast SSD?



Why does the SNIA SSSI do this?

Collecting I/O statistics helps computer scientists determine the type of workloads your drive is experiencing. By capturing statistics from a large number of computer users, designers can optimize both the drive and the host computer system to improve your overall computing experience. You can be a part of history!



Can I see the results of this WIOCP program?

Absolutely. The SNIA SSSI posts all results at the SNIA IOTTA by visiting <http://iota.snia.org/> You can see the statistics that are collected by the capture program before you submit them so that you can verify there is no confidential information. You can also see how the SNIA SSSI will use this data to compare client SSDs. By defining a standard set of I/O performance tests, SSDs can be ranked in order of performance. Ready, set, GO!



The SNIA SSSI thanks Intel for their generous donation of 2.5-inch SSD 520 Series 120GB SSDs!

For a limited time, SSSI will be offering a \$10 Amazon gift card to each qualified program participant. To be qualified to receive a gift card, the data must be captured and submitted per program [instructions](#) and verified by SSSI technical experts.