

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

Get involved, advance your career, & develop relationships!

The May 9, 2014 open **PCIe SSD Committee** call had a presentation on ULLtraDIMM SSDs by Rob Callaghan of Sandisk. The slide deck can be downloaded on the SSSI public page. The next call is Monday July 7, 2014 at 4 PM PDT. Eden Kim of Calypso will present an SSD Performance Comparison chart by Storage Class. Come see how different SSDs perform to the SNIA PTS.

The **TechDev Committee** meets on the 1st Monday of the month at 2pm PDT, but note that there is no meeting in July due to the holidays. 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/wiocp> Please support the **WIOCP** Incentive program which is designed to capture statistics on client computer usage. Eden Kim will give a presentation on a Client Composite Workload based on the WIOCP at FMS this August.

**RTP Hardware Qualification** : On June 2, 2014, TechDev reviewed preliminary data on 12Gb/s HBA card qualification for listing with the Reference Test Platform 3.0. 12Gb/s HBAs will be used for PTS testing of new SAS SSDs. Cards are being evaluated from LSI and ATTO. Other hardware being reviewed by TechDev for optional or removed from the sRTP listing include M.2 cards, SFF 8639 4 lane PCIe cards and Client motherboards for devsleep.

The **SSS TWG** meets on the 3d Monday of each month at 4 PM PDT. In May, the TWG discussed the use of Segmentation code in the Client PTS---C specification and the TWG finalized a ballot on the PTS---C Segmentation code. A ballot is now open until June 16, 2014 on whether the PTS---C Segmentation code should be required, optional or removed from the spec.



## Events.

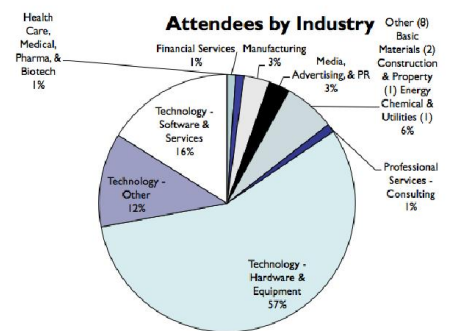
### Very Successful M.2 Webcast held on June 10th

We had over 248 attendees during the 79 minute webinar. As of 6/11/14 there were 355 viewers with ranking for the webinar of 4.3 out of 5.0 & it can be accessed using the following link : <https://www.brighttalk.com/webcast/663/112647>.

We had many more questions than we couldn't address during the webcast and we plan to answer these questions in a series of discussions in the SNIA LinkedIn group. The following was the agenda for the webinar:

Title: *All About M.2 SSDs*

- o M.2 Market Overview – Jim Handy, Objective Analysis
- o M.2 Cards – Jon Tanguy, Micron
- o M.2 Connection Schemes – Jaren May, TE Connectivity
- o NVM Express – David Akerson, Intel
- o M.2 Performance – Eden Kim, Calypso
- o Wrap---up – Tom Coughlin, Coughlin Associates
- o Q&A



## 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, contact the SSSI Marketing Committee Chair, Jim Ryan at [jim.ryan@intel.com](mailto: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!



## 2014 Creative Storage Conference on June 24th

Reminder that SNIA is an organization sponsor for the 2014 Creative Storage Conference ([www.creativestorage.org](http://www.creativestorage.org)) and SNIA will have an exhibit space at the conference. This conference will feature talks by Micron, Violin Memory and other companies including solid state storage for media and entertainment applications. This is a premier conference and trade show combining storage experts and media and entertainment technical professionals, focusing on digital storage in all aspects of professional media and entertainment. The conference is June 24, 2014 in Culver City, CA. Folks can register with a \$100 discount off early registration using the following

## 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!



SNIA  
Solid State Storage Initiative

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/wiocp>) 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/wiocp-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/wiocp-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.