TechDev Committee & SSS TWG News

Get involved, advance your career, & develop relationships!

TechDev continues to research application of Client Composite Workloads (CCW) to evaluate the relative performance and ranking of Client class SSDs. TechDev will also be updating the CCW as volunteers submit more data captures. If you are interested to participate in the Workload IO Capture Program (WIOCP), please see SSSI Marketing committee. TechDev meets on the first Monday of the month at 4 pm.

The SSS TWG meets on the third Monday of the month at 4 pm. This month the TWG will re visit the PTS-C specification and the use of Segmentation code in the client test workloads. Other active investigations by the TWG include Client and Enterprise power, Enterprise data compression and Client use of Cross Stimulus Recovery and Host Idle Recovery tests. Participation in TWG calls requires only SNIA membership and filling out the SNIA TWG IP policy form.

Committee Calls

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

- **March 2014** featured a presentation on **"Memory Channel Storage DeMystified"** by *Jerome McFarland* of Diablo Technologies.

- **April 2014** (this month) we will be featuring a presentation on **NVDIMM-SIG** by *Adrian Proctor* of Viking.

- **May 2014** will feature a presentation on **M.2 SSD Storage** by *Jon Tanguay* of Micron.

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.

To join, simply attend a conference call. If you like what you hear, go to the Marketing Committee page and sign up at the Roster link. We look forward to having you join us!

SSSI Marketing Committee Meeting Information

Date: **The 2nd & 4th Monday of every month**
Time: **2:00 pm PT**
For further information, please call the Marketing Committee Chair, Jim Ryan 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!

SNIA SolidState Init
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The SNIA Solid State Storage Initiative (SSSI) fosters the growth and success of the market for solid state storage in both enterprise and client environments.
snia.org/forums/sssi

Events Corner.

The SNIA DSI (Data Storage Innovation) Conference is coming up in on April 22-24, 2014 at the Santa Clara Convention Center! Our very own SSSI Governing Board member, **Eden Kim**, will be giving a talk on "Synthetic Enterprise Application Workloads" which will discuss what they are and why they are used followed by a case study examination of some common workloads. The test data will cover IOPS, Average and Maximum response times, varying the Outstanding IO (or Demand Intensity) and effects of workload saturation on response time histograms and confidence levels.

Also, our very own **Dr. Thomas Coughlin** will be giving a presentation that will address information on the development status of structures as MRAM, RRAM, FRAM, PRAM and others, as well as a discussion of manufacturing techniques and equipment to support these innovations. The promise of terabyte devices appearing in the near future which could begin to replace existing memory and storage products is based on a continual improvement in processing techniques which drive a competitive price per Gbyte for large server units to mobile PC's and consumer based products.

SSSI Marketing Committee Calls
Current and Upcoming Programs Activities

Workload IO Capture Program is collecting statistics on user workloads to help the SSS Technical Working Group and the TechDev committees define a SSD Client user workload.

The Workload I/O Capture Program (WIOCP) has the goal of understanding I/O characteristics of various applications, that can help to identify which SSDs perform best in particular user environments. WIOCP utilizes thoroughly tested software that runs in the background on your PC to gather the data. The software has been specifically designed to be safely downloaded and used with corporate or personal PCs. Our first target audience is the Engineering student body at Santa Clara University!

Please visit https://www.snia.org/forums/sssi/wiocp and participate!
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