



SNIA Annual Members' Symposium Summary

Westin SJ | January 19-22nd 2016 | San Jose, California

The SNIA Solid State Storage Initiative met up at the annual SNIA Winter Symposium in San Jose, CA at the Westin Hotel and had a wonderful meeting-of-the-minds. Governing Board representatives from each of their respective areas gave pertinent updates as well as plans & goals for the upcoming year. There was collaborative discussions and brainstorming amongst the members during the SSSI session Tuesday, January 19th morning.



Photo : SSSI Members Meeting 01.19.2016

Day #2 included Welcome & Opening Comments + What We Are Going to Accomplish today delivered by SNIA Vice-chairman, Jim Pappas of Intel. More breakout sessions for the various forums, committees, and technical working groups within SNIA filled the day, provided a wonderful opportunity for collaborative thinking and brainstorming amongst the various group. The day was rounded out with the Multisite, Multiprotocol Data Replication and Disaster Recovery Birds-of-a-Feather session. Day #2 also consisted of the much-awaited and highly anticipated NVM Summit which was a huge success. [Details to follow below]



Photo : SSSI Members Meeting 01.19.2016

NVM Summit!

Westin SJ | January 20th 2016 | San Jose, California | [All Summit Presentations & Videos](#)

The SNIA Solid State Storage was proud to present the important and well-attended NVM Summit at the SNIA Annual Members' Symposium titled *The Convergence of Storage and Memory - Developing the Needed Ecosystem*. The Symposium Summit & Keynote (**All the Ways 3D XPoint Impacts Systems Architecture**) was delivered by Intel Senior Fellow, Rick Coulson. **Rethinking Benchmarks for Non-Volatile Memory Storage**



Systems was delivered by Professor Ethan L. Miller, Professor of Computer Science, UCSC. Then a presentation discussing how **Memory is the New Storage: How Next Generation NVM DIMMs will Enable New Solutions That Use Memory as the High-Performance Storage Tier** was delivered by Ken Gibson, NVM SW Architecture, Intel followed by **Future Memories and Today's Opportunities** delivered by SSSI's very own Jim Handy, General Director, Objective Analysis and Tom Coughlin, President, Coughlin Associates.

Continuing the day of presentations, attendees had the opportunity to hear a panel titled **NVM Futures Panel: Emerging Embedded Memory Technologies** which

consisted of Matt Bryson, SVP-Research, ABR as the moderator and Rajiv Ranjan, Co-founder & CTO, Avalanche; Joe O'Hare, Director Product Marketing, Everspin; David Eggleston, Vice President Embedded Memory, Global Foundries as very-capable panelists. After a the lunch break, we continued the NVM Summit with a presentation around **Changes Coming to Architecture with NVM** delivered by Edward Sharp, Chief Strategy and Technology, PMC-Sierra as well as a talk titled **Things Are Happening in Solid State Storage!** delivered by co-presenters Don Jeannette and John Chen of VP Trendfocus. We continued with a talk about **Latency in Context: Finding Room for NVMs in the Existing Software Ecosystem** delivered by Dejan Vucinc, HGST San Jose Research Center followed by another excellent panel all about NVDIMM with Arthur Sainio, Director Marketing, SMART Modular as the moderator and Amit Golander, CTO Plexistor; Alex Fuxa, Director Engineering, HP; Marc Schneider, Sr. Product Manager, Supramicro as the panelists.

We entered the afternoon sessions with **Storage Class Memory Support in the Windows OS** delivered by Neal Christiansen, Principal Development Lead, Microsoft as well as **Persistent Memory in Linux** Jeff Moyer, Principal Software Engineer, Red Hat. The presentation about **Microsoft SQL Hekaton – Towards Large Scale Use of PM for In-memory Databases** was delivered by Cristian Diaconu, Principal Software Engineer, Microsoft followed by a talk about **Going Remote at Low Latency: A Future Networked NVM Ecosystem** delivered by Tom Talpey, Architect File Server Team, Microsoft. The last two presentations of the full day consisted of **Persistent Memory over Fabric** delivered by Kevin Deierling, VP Marketing, Mellanox and a talk around **Where Does The Industry, SNIA and the NVM Technical Work Group Go From Here** delivered by Intel's Jim Pappas, SNIA Vice-chair.

All Meetings.

- **General Members** calls are the 2nd & 4th Wednesday of each month at 11AM PT
- **PCIe SSD Committee** meets 2nd Monday of each month at 4PM PT
- **Marketing Committee** meets the 2nd & 4th Monday of each month at 8AM PT
- **NVDIMM Special Interest Group** meets every other Friday at 9AM PT
- **Solid State Storage TWG** meets 3rd Monday of each month at 4PM PT
- **Solid State Storage System TWG** meets weekly on Tuesday 10AM PT
- **NVM Programming TWG** meets weekly on Wednesday at 12:00PM PT

For WebEx/dial-in information go to <https://snia.webex.com>



Social Media. Get Involved!



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](#) too!

- **Gilda Foss** @GildaFoss 20 Jan
Awesome NVM Futures Panel going on right now #nvmsummit Emerging Embedded Memory Technologies #SNIA Winter Symposium #sniasssi @NVMexpress
- **Gilda Foss** @GildaFoss 20 Jan
#sniasssi own Jim Handy & Tom Coughlin present Future Memories & Today's Opportunities #nvmsummit at #SNIA Winter Symposium. @NVMexpress
- **Gilda Foss** @GildaFoss 20 Jan
Great talk on Rethinking Benchmarks for Non-Volatile Memory Storage Systems at #SNIA #nvmsummit at Westin SJ. #sniasssi
- **Gilda Foss** @GildaFoss 20 Jan
The #SNIA #NVMsummit kicked off this morning at the Westin SJ with the Ways 3D XPoint Impacts Systems Architecture! #sniasssi
- **Gilda Foss** @GildaFoss 20 Jan
Memory is the New Storage: How Next Gen NVM DIMMs Enable New Solutions That Use Memory as the High-Perf Storage Tier #nvmsummit #SNIA
- **Gilda Foss** @GildaFoss 20 Jan
Packed house at today's #NVMsummit at #SNIA Winter Symposium! You won't want to miss this event at the Westin SJ. pic.twitter.com/zCOTZv8IC

