SCS Annual Members’ Symposium Summary
Westin SJ | January 19-22nd 2016 | San Jose, California

The SCSC Solid State Storage Initiative met up at the annual SCS 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.

Day 1 included the Symposium Welcome & Kick-off that was delivered by SSSI Chairman, David Dale of NetApp as well as the Symposium Keynote (FIF Trends that Matter in 2016) that was delivered by HDS CTO, Hubert Yoshida.

The rest of the day consisted of breakout sessions for the various forums, committees, and technical working groups within SSSI concluding the action-packed day with the OpenStack Storage Birds-of-A-Feather session.

Day 2 included Welcome & Opening Comments – What We Are Going to Accomplish today delivered by SSSI Vice-chairman, Jim Pappas of Intel.

More breakout sessions for the various forums, committees, and technical working groups within SSSI filled the day, provided a wonderful opportunity for collaborative thinking and brainstorming amongst the various groups. The day was rounded out with the Multistate, 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]

NV Summit!
Westin SJ | January 20th 2016 | San Jose, California | All Summit Presentations & Videos

The SCSC Solid State Storage was proud to present the important and well-attended NV Summit at the SSSI 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 Cuison.

NV Summit: 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 Bryan, SVP:Research, ABR as the moderator and Raju Ranjan, Co-founder & CTO, Avalanche; Joe O’Hare, Director Product Marketing, Everspin; David Eggston, Vice President Embedded Memory, Global Foundaries as very capable panelists. After 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 Vincic, HSG 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 Foxa, Director Engineering, HP; Marc Schneider, Sr. Product Manager, Supermicro 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 delivered by Jeff Mayer, 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 Dacoma, 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 Deering, VP Marketing, Mellanox and a talk around Where Does The Industry, SNS and the NVM Technical Work Group Go From Here delivered by Intel’s Jim Pappas, SNS Vice-chair.

www.scs.org/forum/ssi