

2022 Flash Memory Summit-at-a-Glance

Monday Pre-Conference Day

OPEN = Open to all Summit attendees GAB = Great America Ballroom GAMR = Great America Meeting Room

8:00 am - 5:00 pm	Registration <i>sponsored by Western Digital</i>	MAIN LOBBY
8:30 am - Noon	PRE-CONFERENCE SEMINAR A Neutralizing Ransomware Extortion in the Quantum Computing Era	207
	PRE-CONFERENCE SEMINAR B SmartNIC/DPUs Storage Solutions	206
10:15 - 10:30 am	Refreshment Break	200 ATRIUM
Noon - 1:00 pm	Lunch	200 ATRIUM
1:00 - 5:00 pm	PRE-CONFERENCE SEMINAR C New Challenges in SSD Controller Design	207
	PRE-CONFERENCE SEMINAR D Transitioning Local Memory from DDR to OMI	206
5:30 - 7:00 pm	SNIA Reception <i>sponsored by SNIA and the Compute, Memory & Storage Initiative and Storage Management Initiative</i> OPEN	209/210

Tuesday

7:30 am - 7:00 pm	Registration <i>sponsored by Western Digital</i>	MAIN LOBBY	
8:00 - 8:30 am	Continental Breakfast	MAIN LOBBY	
8:30 - 9:35 am	BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-101-1 Data Storage Strategies	GAMR 1	
	CASE STUDIES TRACK SESSION CASE-101-1 Case Studies, Session 1 OPEN	BALLROOM A	
	CLOUD STORAGE AND APPLICATIONS TRACK SESSION CLDS-101-1 Cloud Performance OPEN	BALLROOM D	
	DATA CENTER APPLICATIONS TRACK SESSION DCTR-101-1 Enterprise Storage, Part 1 OPEN	BALLROOM B	
	EDGE COMPUTING TRACK SESSION EDGE-101-1 Edge Computing/Cloud Overview (Panel) OPEN	BALLROOM C	
	FLASH MEMORY ARCHITECTURES TRACK SESSION FMAR-101-1 ZNS: An Endurance Architecture, Part 1 OPEN	GAMR 2	
	INVITED TALK TRACK SESSION INVT-101-1 Invited Talk with Steve Pawlowski	GAMR 3	
	NVM EXPRESS TRACK SESSION NVME-101-1 NVMe Express State of the Union and Upcoming Technical Proposals OPEN	BALLROOM E	
	SPONSORED SESSIONS TRACK SESSION SPOS-101-1 MemVerge Part 1: CXL-Consortium Update and CXL-Compatible Processors Getting Ready for Take-off OPEN	BALLROOM F	
	SSD TECHNOLOGY TRACK SESSION SSDS-101-1 SSD Controllers	GAB J	
	SYSTEM ARCHITECTURES TRACK SESSION SARC-101-1 Storage and Memory Tiering OPEN	BALLROOM G	
	9:35 - 9:45 am	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
	9:45 - 10:50 am	BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-101-2 Market Research Panel OPEN	GAMR 1
		CASE STUDIES TRACK SESSION CASE-101-2 Case Studies, Session 2 OPEN	BALLROOM A
CLOUD STORAGE AND APPLICATIONS TRACK SESSION CLDS-101-2 Optimizing Clouds OPEN		BALLROOM D	
DATA CENTER APPLICATIONS TRACK SESSION DCTR-101-2 Enterprise Storage, Part 2		BALLROOM B	
EDGE COMPUTING TRACK SESSION EDGE-101-2 Edge/Cloud Storage – Issues and Challenges (Panel) OPEN		BALLROOM C	
FLASH MEMORY ARCHITECTURES TRACK SESSION FMAR-101-2 ZNS An Endurance Architecture		GAMR 2	
INVITED TALK TRACK SESSION INVT-101-2 Invited Talk with Debendra Das Sharma		GAMR 3	
NVM EXPRESS TRACK SESSION NVME-101-2 NVMe Command Sets and Transport Specification Overview OPEN		BALLROOM E	
SPONSORED SESSIONS TRACK SESSION SPOS-101-2 MemVerge Part 2: CXL-Compatible Memory Getting Ready for Take-off OPEN		BALLROOM F	
SSD TECHNOLOGY TRACK SESSION SSDS-101-2 ECC and Machine Learning OPEN		GAB J	
SYSTEM ARCHITECTURES TRACK SESSION SARC-101-2 Persistent Memory OPEN		BALLROOM G	
10:50 - 11:00 am		Chairman's Welcome <i>Charles Sobey</i> OPEN	MISSION CITY BALLROOM
11:00 - 11:30 am		KEYNOTE 1 <i>Jeff Ohshima and Scott Nelson, KIOXIA</i> Ready for the Next Applications with the Latest Flash Technologies OPEN	MISSION CITY BALLROOM
11:30 - 11:40 am		SPECIAL PRESENTATION FMS Lifetime Achievement Award OPEN	MISSION CITY BALLROOM
11:40 am - 12:10 pm	KEYNOTE 2 <i>Dr. Luca Fasoli and Khurram Ismail, Western Digital</i> Innovation & Disruption: The Next 35 Years of Flash OPEN	MISSION CITY BALLROOM	
12:10 - 1:10 pm	Lunch	MAIN LOBBY / GREAT AMERICA LOBBY / MISSION CITY BALLROOM LOBBY	
1:10 - 1:40 pm	KEYNOTE 3 <i>Thomas Chen, YMC</i> Xtacking: A New Milestone of NAND Flash Innovation OPEN	MISSION CITY BALLROOM	
1:40 - 2:10 pm	KEYNOTE 4 <i>Jihyo Lee and Ross Stenford, FADU</i> Hyperscale Data Centers Present Challenges and Opportunities for Designing Efficient SSDs OPEN	MISSION CITY BALLROOM	
2:10 - 2:40 pm	KEYNOTE 5 <i>Sanjay S. Talreja and Jungdal Choi, SK hynix</i> Unlocking the Potential of Data—the New Paradigm of Storage OPEN	MISSION CITY BALLROOM	
2:40 - 3:10 pm	KEYNOTE 6 <i>Jim Elliott and Jin-Hyeok Choi, Samsung</i> Navigating the Big Data Era with Next Generation Storage Technologies OPEN	MISSION CITY BALLROOM	
3:10 - 3:20 pm	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY	
3:20 - 4:25 pm	BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-102-1 Industry Trends OPEN	GAMR 1	
	CLOUD STORAGE AND APPLICATIONS TRACK SESSION CLDS-102-1 Cloud Storage Technologies	BALLROOM D	
	CONSUMER AND INDUSTRIAL APPLICATIONS TRACK SESSION CIND-102-1 Automotive Applications: The Smart Environment (Panel) OPEN	BALLROOM A	
	DATA CENTER APPLICATIONS TRACK SESSION DCTR-102-1 Hyperscale Applications OPEN	BALLROOM B	
	EDGE COMPUTING TRACK SESSION EDGE-102-1 Driving Force for Edge/Cloud Computing (Panel) OPEN	BALLROOM C	
	FLASH MEMORY ARCHITECTURES TRACK SESSION FMAR-102-1 Endurance Alternatives to ZNS, Part 1 OPEN	GAB J	
	INVITED TALK TRACK SESSION INVT-102-1 Invited Talk with Andy Walls	GAMR 3	
	NVM EXPRESS TRACK SESSION NVME-102-1 NVMe Express Technology Innovations: Rotational Media and Computational Storage OPEN	BALLROOM E	
	SPONSORED SESSIONS TRACK SESSION SPOS-102-1 MemVerge Part 3: CXL Memory Software Platforms Getting Ready for Take-off OPEN	BALLROOM F	
	SSD TECHNOLOGY TRACK SESSION SSDS-102-1 Ethernet SSDs, Part 1 (Panel) OPEN	BALLROOM D	
	SYSTEM ARCHITECTURES TRACK SESSION SARC-102-1 Application Acceleration	BALLROOM G	
	4:00 - 7:00 pm	35th Anniversary of NAND Flash Celebration OPEN	EXHIBIT HALL
		Exhibition OPEN	EXHIBIT HALL
	4:25 - 4:35 pm	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
4:35 - 5:40 pm	BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-102-2 Memory and Chip Shortages OPEN	GAMR 1	
	CONSUMER AND INDUSTRIAL APPLICATIONS TRACK SESSION CIND-102-2 Automotive Applications: Vehicle Storage (Panel) OPEN	BALLROOM A	
	FLASH MEMORY ARCHITECTURES TRACK SESSION FMAR-102-2 Endurance Alternatives to ZNS, Part 2 OPEN	GAB J	
	INVITED TALK TRACK SESSION INVT-102-2 Invited Talk with Bob Thibadeau	GAMR 3	
	NVM EXPRESS TRACK SESSION NVME-102-2 NVMe Express Technology Updates: Discovery Automation and Drivers OPEN	BALLROOM E	
	OTHER MEMORY TECHNOLOGIES TRACK SESSION OMEM-102-2 New/Emerging Memories, Part 1 OPEN	BALLROOM C	
	SPONSORED SESSIONS TRACK SESSION SPOS-102-2 MemVerge Part 4: Panels Composable Infrastructure Migration to CXL & CXL Impact on Apps & Users OPEN	BALLROOM F	
	SSD TECHNOLOGY TRACK SESSION SSDS-102-2 Ethernet SSDs, Part 2	BALLROOM D	
	SYSTEM ARCHITECTURES TRACK SESSION SARC-102-2 Open Memory Interface (OMI) OPEN	BALLROOM G	
	7:30 - 9:00 pm	Beer, Pizza and Chat with the Experts OPEN	BALLROOMS A-D

Wednesday

7:30 am - 7:00 pm	Registration <i>sponsored by Western Digital</i>	MAIN LOBBY	
8:00 - 8:30 am	Continental Breakfast	MAIN LOBBY	
8:30 - 9:35 am	BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-201-1 Will AI Storage Reside in the Public Cloud (Panel) OPEN	GAMR 1	
	CAREER STRATEGIES TRACK SESSION CAST-201-1 Executive Recruiter Session, Part 1 OPEN	GAMR 2	
	CASE STUDIES TRACK SESSION CASE-201-1 Case Studies, Session 3 OPEN	BALLROOM A	
	DATA PROTECTION TRACK SESSION NVME-201A-1 Protect, Sanitize and Assure Destruction!	BALLROOM B	
	INVITED TALK TRACK SESSION INVT-201-1 Invited Talk with Kamaljit Singh	GAB K	
	NVM EXPRESS TRACK SESSION NVME-201-1 NVMe Express in the Real World: From Testing to Cloud and Enterprise OPEN	BALLROOM E	
	OTHER MEMORY TECHNOLOGIES TRACK SESSION OMEM-201-1 DRAM, Part 1 OPEN	BALLROOM C	
	SECURITY AND CRYPTOGRAPHY TRACK SESSION SECR-201-1 Cryptocurrency and Non-Fungible Tokens (NFTs)	BALLROOM D	
	SPONSORED SESSIONS TRACK SESSION SPOS-201-1 AMD OPEN	GAMR 3	
	SSD TECHNOLOGY TRACK SESSION SSDS-201-1 Form Factors and Interfaces, Part 1 (Panel) OPEN	BALLROOM F	
	SYSTEM ARCHITECTURES TRACK SESSION SARC-201-1 CXL Architectures, Part 1 OPEN	BALLROOM G	
	9:35 - 9:45 am	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
	9:45 - 10:50 am	BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-201-2 CMO Panel OPEN	GAMR 1
		CASE STUDIES TRACK SESSION CASE-201-2 Case Studies, Session 4	BALLROOM A
CHINESE MARKETS TRACK SESSION CHNA-201-2 Chinese Markets		GAMR 2	
DATA PROTECTION TRACK SESSION DPRO-201-2 Getting to Fast, Efficient Data Recovery OPEN		BALLROOM B	
INVITED TALK TRACK SESSION INVT-201-2 Invited Talk with Rino Micheloni and Cristian Zambelli		GAMR 3	
NVM EXPRESS TRACK SESSION NVME-201-2 NVMe Express Implementation: NVMe-oF Smart CPU Core Affinity and Flexible Direct OPEN		BALLROOM E	
OTHER MEMORY TECHNOLOGIES TRACK SESSION OMEM-201-2 DRAM, Part 2 OPEN		BALLROOM C	
SECURITY AND CRYPTOGRAPHY TRACK SESSION SECR-201-2 Encryption and Authentication OPEN		BALLROOM D	
SPONSORED SESSIONS TRACK SESSION SPOS-201-2 Macronix: Ultra-Low Power Market Trends and Non-Volatile Memory Systems OPEN		GAB J	
SSD TECHNOLOGY TRACK SESSION SSDS-201-2 Form Factors and Interfaces, Part 2 OPEN		BALLROOM F	
SYSTEM ARCHITECTURES TRACK SESSION SARC-201-2 CXL Architectures, Part 2 OPEN		BALLROOM G	
11:00 - 11:30 am		KEYNOTE 7 <i>Jon Haswell and Gary Kotzur, Marvell Technology</i> Cloud-Optimized Silicon Powers the Scalable Data Center OPEN	MISSION CITY BALLROOM
11:30 - 11:40 am		SPECIAL PRESENTATION <i>Camberly Bates</i> SuperWomen in Flash Leadership Award OPEN	MISSION CITY BALLROOM
11:40 am - 12:10 pm		KEYNOTE 8 <i>Andy Hsu, NEO Semiconductor</i> New Memory and Storage Architectures for Enterprise and Consumer Products OPEN	MISSION CITY BALLROOM
Noon - 7:00 pm	Exhibition OPEN	EXHIBIT HALL	

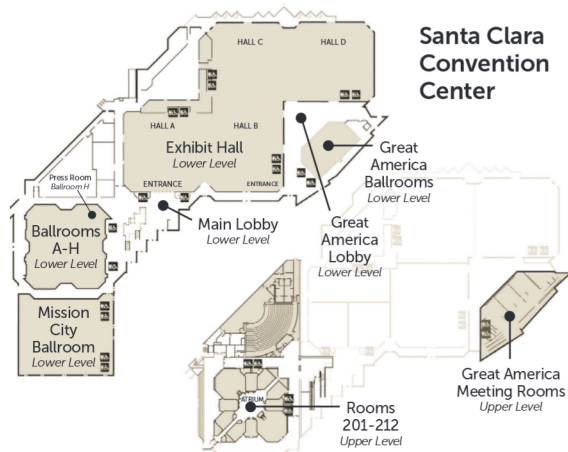
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12:10 - 1:40 pm	Lunch	EXHIBIT HALL D
1:40 - 2:10 pm	KEYNOTE 9 <i>Pete Hazen, Microchip Technology</i> Compute, Storage and Memory Performance and Efficiency Breakthroughs for the Data Center OPEN	MISSION CITY BALLROOM
2:10 - 2:40 pm	KEYNOTE 10 <i>Gary Adams, Silicon Motion</i> Innovating Data Center SSD Platform Development at Speed OPEN	MISSION CITY BALLROOM
2:40 - 2:50 pm	SPECIAL PRESENTATION SNIA OPEN	MISSION CITY BALLROOM
2:50 - 3:20 pm	KEYNOTE 11 <i>Debendra Das Sharma, Intel</i> Transforming the Data-Centric World OPEN	MISSION CITY BALLROOM
3:20 - 3:30 pm	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
3:30 - 4:35 pm	BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-202-1 Computational Storage—How Will This Change the Future of Enterprise Storage in 2 Years, 5 Years and More (Panel) OPEN CAREER STRATEGIES TRACK SESSION CAST-202-1 Session Executive Recruiter Session, Part 2 OPEN CONSUMER AND INDUSTRIAL APPLICATIONS TRACK SESSION CIND-202-1 Automotive Applications: Security and Privacy (Panel) OPEN DATA PROTECTION TRACK SESSION DPRO-202-1 Ransomware, Flash, and the State of Data Security INVITED TALK TRACK SESSION INVT-202-1 Invited Talk with Chris Petersen NVM EXPRESS TRACK SESSION NVME-202-1 NVM Express in Hyperscale Data Centers and Form Factors Overview OPEN OTHER MEMORY TECHNOLOGIES TRACK SESSION OMEM-202-1 RRAM OPEN SECURITY AND CRYPTOGRAPHY TRACK SESSION SECR-202-1 Proof-of-Space-Time (PoST) OPEN SPONSORED SESSIONS TRACK SESSION SPOS-202-1 NEO: A New Approach to Overcoming DRAM Latency and Power Obstacles OPEN SSD TECHNOLOGY TRACK SESSION SSDS-202-1 SSD Technology and Use Cases OPEN SYSTEM ARCHITECTURES TRACK SESSION SARC-202-1 CXL Attached Memory	GAMR 1 GAMR 2 GAMR 3 BALLROOM B GAB J BALLROOM E BALLROOM C BALLROOM D BALLROOM F BALLROOM A BALLROOM G
4:35 - 4:45 pm	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
4:45 - 5:50 pm	ARTIFICIAL INTELLIGENCE APPLICATIONS TRACK SESSION AIAP-202-2 Artificial Intelligence Techniques BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-202-2 Strategies for File Block and Object Storage OPEN FLASH MEMORY ARCHITECTURES TRACK SESSION FMAR-202-1 Advanced NAND Flash Architectures OPEN INVITED TALK TRACK SESSION INVT-202-2 Invited Talk with Jim Handy OPEN OTHER MEMORY TECHNOLOGIES TRACK SESSION OMEM-202-2 MRAM/PCM OPEN SECURITY AND CRYPTOGRAPHY TRACK SESSION SECR-202-2 Security Topics OPEN SYSTEM ARCHITECTURES TRACK SESSION SARC-202-2 CXL Storage OPEN	GAMR 2 GAMR 1 BALLROOM B BALLROOM E BALLROOM C BALLROOM D BALLROOM F BALLROOM A BALLROOM G
5:30 - 7:00 pm	All-Industry Reception OPEN	EXHIBIT HALL
6:30 - 7:00 pm	FMS Best of Show Awards OPEN	FMS THEATER

Thursday

8:00 - 8:30 am	Continental Breakfast	MAIN LOBBY
8:00 am - 2:00 pm	Registration <i>sponsored by Western Digital</i>	MAIN LOBBY
8:30 - 9:35 am	ARTIFICIAL INTELLIGENCE APPLICATIONS TRACK SESSION AIAP-301-1 Machine Learning OPEN CASE STUDIES TRACK SESSION CASE-301-1 Case Studies (Panel) OPEN DNA APPLICATIONS TRACK SESSION DNAA-301-1 DNA Data Storage, Part 1 OPEN INVITED TALK TRACK SESSION INVT-301-1 Invited Talk with Jonathan Hinkle and Hunt Vuong NETWORKING TRACK SESSION NWRK-301-1 General NVMe-oF OPEN SECURITY AND CRYPTOGRAPHY TRACK SESSION SECR-301-1 Blockchain OPEN SOFTWARE TRACK SESSION SOFT-301-1 Open Source/Linux, Part 1 OPEN SUSTAINABILITY TRACK SESSION SUST-301-1 Sustainability, Part 1 OPEN SYSTEM ARCHITECTURES TRACK SESSION SARC-301-1 Computational Storage Applications OPEN TESTING AND PERFORMANCE TRACK SESSION TEST-301-1 Performance Analysis OPEN	GAMR 2 GAMR 3 GAMR 1 GAB J BALLROOM E BALLROOM D BALLROOM F BALLROOM G BALLROOM B GAB K
9:35 - 9:45 am	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
9:45 - 10:50 am	DNA APPLICATIONS TRACK SESSION DNAA-301-2 DNA Data Storage, Part 2 (Panel) INVITED TALK TRACK SESSION INVT-301-1 Invited Talk with Christopher Cox NETWORKING TRACK SESSION NWRK-301-2 NVMe-oF Applications and Use Cases OPEN OTHER MEMORY TECHNOLOGIES TRACK SESSION OMEM-301-2 New/Emerging Memories, Part 2 OPEN SECURITY AND CRYPTOGRAPHY TRACK SESSION SECR-301-2 Trusted Computing Standards OPEN SOFTWARE TRACK SESSION SOFT-301-2 Key Value Store SUSTAINABILITY TRACK SESSION SUST-301-2 Sustainability, Part 2 (Panel) OPEN SYSTEM ARCHITECTURES TRACK SESSION SARC-301-2 Computational Storage: The Road Ahead OPEN TESTING AND PERFORMANCE TRACK SESSION TEST-301-2 Real Life Performance OPEN	GAMR 2 GAB J BALLROOM E BALLROOM C BALLROOM D BALLROOM F BALLROOM A BALLROOM G GAB K
10:00 am - 2:30 pm	Exhibition OPEN	EXHIBIT HALL
11:00 - 11:30 am	KEYNOTE 12 <i>Matt Eastward, IDC</i> Exploring the Value of a Cloud Centric Digital Infrastructure OPEN	MISSION CITY BALLROOM
11:30 am - Noon	KEYNOTE 13 <i>Scott Baker, IBM</i> Accelerating Ransomware Detection and Autonomous Response with Computational Storage OPEN	MISSION CITY BALLROOM
Noon - 1:00 pm	Lunch	EXHIBIT HALL D / MISSION CITY BALLROOM LOBBY
12:30 - 1:15 pm	KEYNOTE 14 <i>Paul Saffo, Moderator</i> Insudtry Leaders Executive Panel: NAND Flash—Its Impact on the World OPEN	MISSION CITY BALLROOM
1:15 - 1:25 pm	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
1:25 - 2:30 pm	ARTIFICIAL INTELLIGENCE APPLICATIONS TRACK SESSION AIAP-302-1 Storage for AI, Part 1 OPEN BUSINESS STRATEGIES AND MEMORY MARKETS TRACK SESSION BMKT-302-1 Top Ten Things to Know About Flash OPEN NETWORKING TRACK SESSION NWRK-302-1 NVMe-oF Storage Software OPEN OTHER MEMORY TECHNOLOGIES TRACK SESSION OMEM-302-1 Neuromorphic Computing SOFTWARE TRACK SESSION SOFT-302-1 Open Source/Linux, Part 2 OPEN SYSTEM ARCHITECTURES TRACK SESSION SARC-302-1 Computational Storage Standards OPEN TESTING AND PERFORMANCE TRACK SESSION TEST-302-1 Testing, Part 1	GAMR 3 GAB J BALLROOM E BALLROOM C BALLROOM F BALLROOM G GAB K
2:00 pm	FMS Raffle <i>must be present to win</i>	FMS THEATER
2:30 - 3:00 pm	PLENARY TRACK SESSION PLEN-302-1 The Future of Flash OPEN	GAMR 3
3:00 - 3:10 pm	Refreshment Break	MAIN LOBBY / GREAT AMERICA LOBBY
3:10 - 4:15 pm	ARTIFICIAL INTELLIGENCE APPLICATIONS TRACK SESSION AIAP-302-2 Storage for AI, Part 2 OPEN NETWORKING TRACK SESSION NWRK-302-2 NVMe-oF Fabrics OPEN SOFTWARE TRACK SESSION SOFT-302-2 Storage as a Service (STAAS) SYSTEM ARCHITECTURES TRACK SESSION SARC-302-2 Computational Storage Standards OPEN TESTING AND PERFORMANCE TRACK SESSION TEST-302-2 Testing, Part 2	GAMR 3 BALLROOM E BALLROOM F BALLROOM G GAB K



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