2017 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

Time	Session	Location
8:00 am - 5:00 pm	Registration	MAIN LOBBY
8:30 am - Noon	**PRE-CONFERENCE SEMINAR A** Introduction to 3D NAND *presented by KnowledgeTek*	GAB J
	PRE-CONFERENCE SEMINAR B Introduction to NVM Express (NVMe) *presented by KnowledgeTek*	GAMR 1
	PRE-CONFERENCE SEMINAR C Persistent Memory	GAMR 2
	PRE-CONFERENCE SEMINAR D Flash Storage Networking	GAMR 3
Noon -1:00 pm	Lunch	GAMR FOYER
1:00 - 1:50 pm	**SNIA TUTORIAL 1** Case for Flash Storage—How It Can Benefit Your Enterprise **OPEN**	209/210
1:00 - 5:00 pm	**PRE-CONFERENCE SEMINAR E** New Non-Volatile Memory Technologies *presented by KnowledgeTek*	GAB J
	PRE-CONFERENCE SEMINAR F NVMe over Fabrics *presented by KnowledgeTek*	GAMR 1
	PRE-CONFERENCE SEMINAR G Using Machine Learning to Optimize Storage Systems	GAMR 2
	PRE-CONFERENCE SEMINAR H Flash Controller Design	GAMR 3
1:50 - 2:45 pm	**SNIA TUTORIAL 2** SAS—Today's Fast and Flexible Storage Fabric **OPEN**	209/210
3:00 - 4:00 pm	**SNIA TUTORIAL 3** A New Standard for IP Based Drive Management **OPEN**	209/210
4:00 - 5:00 pm	**SNIA TUTORIAL 4** Innovations, Challenges, and Lessons Learned in HPC Storage Yesterday, Today and Tomorrow **OPEN**	209/210
5:30 - 7:00 pm	Solid State Storage Reception *sponsored by SNIA and the Solid State Storage Initiative* **OPEN**	209/210

Tuesday

Time	Session	Location
8:00 - 8:30 am	Continental Breakfast **OPEN**	MAIN LOBBY
8:00 am - 7:00 pm	Registration	MAIN LOBBY
8:30 - 9:35 am	**CONSUMER/MOBILE APPLICATIONS TRACK SESSION 101-A** Consumer Applications **OPEN**	GAMR 2
	EMBEDDED APPLICATIONS TRACK SESSION 101-B Embedded Applications, Part 1 **OPEN**	GAMR 3
	FLASH TECHNOLOGY TRACK SESSION U-1 Annual Update on Flash Technology	BALLROOM G
	NVMe-OVER-FABRICS TRACK SESSION IT-1 NVMe Over Fabrics-High Performance Flash Moves to Ethernet	BALLROOMS E/F
8:30 - 10:50 am	**NVMe/PCIe STORAGE TRACK FORUM A-11** NVMe and PCIe SSDs, Part 1	BALLROOM A
	ARCHITECTURES TRACK FORUM B-11 Flash-Memory Based Architectures—A Technical Discussion, Part 1	BALLROOM B
	ENTERPRISE STORAGE TRACK FORUM D-11 Flash in Data Centers	BALLROOM C
	ENTERPRISE APPLICATIONS TRACK FORUM G-11 Enterprise Applications, Part 1 **OPEN**	BALLROOM D
	CHINA TRACK FORUM N-11 Flash Growth and Opportunity in China **OPEN**	GAMR 1
	AUTOMOTIVE TRACK FORUM T-11 Flash in Autonomous Vehicles, Part 1 **OPEN**	GAB J
9:35 - 9:45 am	Break	MAIN LOBBY / GREAT AMERICA LOBBY
9:45 - 10:50 am	**DATA ERASURE/RECOVERY TRACK SESSION 102-A** Data Recovery of SSDs	GAMR 2
	EMBEDDED APPLICATIONS TRACK SESSION 102-B Embedded Applications, Part 2 **OPEN**	GAMR 3
	ENTERPRISE STORAGE TRACK SESSION U-2 Annual Update on Enterprise Flash Storage	BALLROOM G
	DATA MANAGEMENT TRACK SESSION IT-2 New Computational Approach Brings Big Data to Its Knees	GAB K
11:00 - 11:30 am	**KEYNOTE 1** *Henry Bzeih, Kia Motors* How Flash Memory Will Affect Tomorrow's Automobiles **OPEN**	MISSION CITY BALLROOM
11:30 - 11:40 am	**SPECIAL PRESENTATION** FMS Lifetime Achievement Award presented to George Perlegos **OPEN**	MISSION CITY BALLROOM
11:40 am - 12:10 pm	**KEYNOTE 2** *Jim Elliott and Jaeheon Jeong, Samsung* Advancements in SSDs and 3D NAND Reshaping Storage Market **OPEN**	MISSION CITY BALLROOM
12:10 - 12:40 pm	**KEYNOTE 3** *Jeff Ohshima and Steve Fingerhut, Toshiba* Flash Memory is Going Places We Have Never Seen Before **OPEN**	MISSION CITY BALLROOM
12:40 - 1:40 pm	Lunch	BALLROOM E
1:40 - 1:50 pm	**SPECIAL PRESENTATION** TechTarget **OPEN**	MISSION CITY BALLROOM
1:50 - 2:20 pm	**KEYNOTE 4** *Currie Munce and Eric Endebrock, Micron* New Silicon Breakthroughs Help Next Generation Datacenters Meet Key Challenges **OPEN**	MISSION CITY BALLROOM
2:20 - 2:50 pm	**KEYNOTE 5** *Martin Fink, Western Digital* Accelerating a Data-Centric Universe **OPEN**	MISSION CITY BALLROOM
2:50 - 3:00 pm	**SPECIAL PRESENTATION** *Michael Oros, SNIA* 20 Years of Storage Innovation and Predictions for the Next 20 Years **OPEN**	MISSION CITY BALLROOM
3:00 - 3:30 pm	**KEYNOTE 6** *Ahmet Houssein and Steve Pope, Solarflare* Traffic Engineering for Fabric-Based Systems with Hyperscale Connections **OPEN**	MISSION CITY BALLROOM
3:30 - 3:40 pm	Break	MAIN LOBBY / GREAT AMERICA LOBBY
3:40 - 4:45 pm	**SECURITY TRACK SESSION 103-A** How Do We Know We Have a Secure Flash System? **OPEN**	GAMR 1
	BUSINESS/MARKETING TRACK SESSION 103-B Know What the Flash Customer Wants and Needs *sponsored by TechTarget* **OPEN**	GAMR 2
	CONTROLLERS TRACK SESSION U-3 Annual Update on Flash Controllers	GAMR 3
	NVMe OVER FABRICS TRACK SESSION IT-3 Managing NVMe over Fabric with Intel Rack Scale Design	BALLROOM G
3:40 - 6:00 pm	**NVMe/PCIe STORAGE TRACK FORUM A-12** NVMe and PCIe SSDs, Part 2	BALLROOM A
	ARCHITECTURES TRACK FORUM B-12 Flash-Memory Based Architectures—A Technical Discussion, Part 2	BALLROOM B
	SSDs TRACK FORUM C-12 Enterprise SSDs	BALLROOM C
	ENTERPRISE STORAGE TRACK FORUM D-12 Enterprise Storage Design, Part 1	BALLROOM D
	PERSISTENT MEMORY TRACK FORUM R-12 3D XPoint: Current Implementations and Future Trends	BALLROOMS E/F
	AUTOMOTIVE TRACK FORUM T-12 Flash in Autonomous Vehicles, Part 2 **OPEN**	GAB J
4:00 - 7:00 pm	Exhibits Open / Grand Opening Reception **OPEN**	EXHIBIT HALL
4:45 - 4:55 pm	Break	MAIN LOBBY / GREAT AMERICA LOBBY
4:55 - 6:00 pm	**SECURITY TRACK SESSION 104-A** Ransomware: What It Is and What Role Flash Plays In It **OPEN**	GAMR 1
	BUSINESS/MARKETING TRACK SESSION 104-B TechTarget: What Do the 800-Pound Gorilla Customers Want in Flash Storage? **OPEN**	GAMR 2
	NEW TECHNOLOGIES TRACK SESSION U-4 Annual Update on Emerging Memory Technologies	GAMR 3
	PERSISTENT MEMORY TRACK SESSION IT-4 Persistent Memory Is Not What You Think!	BALLROOM G
7:00 - 8:30 pm	Beer, Pizza, and Chat with the Experts *sponsored by Everspin Technologies* **OPEN**	BALLROOMS A-E

Wednesday

Time	Session	Location
8:00 - 8:30 am	Continental Breakfast **OPEN**	MAIN LOBBY
8:00 am - 7:00 pm	Registration	MAIN LOBBY
8:30 - 9:35 am	**MARKET RESEARCH TRACK SESSION 201-A** Market Research Panel **OPEN**	GAB J
	ENTERPRISE STORAGE TRACK SESSION 201-B Flash Arrays	GAMR 1
	SOFTWARE TRACK SESSION 201-C Testing Issues	GAMR 2
	PERSISTENT MEMORY TRACK SESSION IT-5 Persistent Memory's Initial Major Application Will Be Real-Time Analytics	GAMR 3
8:30 - 10:50 am	**ENTERPRISE STORAGE TRACK FORUM D-21** Enterprise Storage Design, Part 2	BALLROOM B
	CONTROLLERS TRACK FORUM E-21 Controllers and Flash Technology, Part 1	BALLROOMS E/F
	TESTING TRACK FORUM F-21 SSD Testing	BALLROOM C
	ENTERPRISE APPLICATIONS TRACK FORUM G-21 Enterprise Applications, Part 2 **OPEN**	BALLROOM D
	PERSISTENT MEMORY TRACK FORUM R-21 Persistent Memory—Convergence of Storage and Memory, Part 1 *sponsored by SNIA, JEDEC, and OFA*	BALLROOM G
9:35 – 9:45 am	Break	MAIN LOBBY / GREAT AMERICA LOBBY
9:45 - 10:50 am	**MARKET RESEARCH TRACK SESSION 202-A** NVMe Market Research **OPEN**	GAB J
	TESTING TRACK SESSION 202-B The Performance Story: An Independent Evaluation of Flash Storage **OPEN**	GAMR 1
	CONSUMER/MOBILE APPLICATIONS TRACK SESSION 202-C Mobile Applications	GAMR 2
	SOFTWARE TRACK SESSION 202-D Open-Source Software and Flash Memory	GAMR 3
	NVMe/PCIe STORAGE TRACK SESSION IT-6 Solving Latency Challenges with NVMe SSDs at Scale	GAB K
11:00 - 11:30 am	**KEYNOTE 7** *Manoj Wadekar, eBay and Michael Kagan, Mellanox* How to Network Flash Storage Efficiently at Hyperscale **OPEN**	MISSION CITY BALLROOM

Time	Session	Location
11:30 am - Noon	**KEYNOTE 8** *Bill Leszinske, Intel* Transforming Storage with Innovations in Non-Volatile Memory **OPEN**	MISSION CITY BALLROOM
Noon - 1:00 pm	Lunch	EXHIBIT HALL
Noon - 7:00 pm	Exhibits Open **OPEN**	EXHITIB HALL
1:00 - 1:30 pm	**KEYNOTE 9** *Matt Rutledge, Seagate* Mission Impossible: Surviving Today's Flood of Critical Data **OPEN**	MISSION CITY BALLROOM
1:30 - 2:00 pm	**KEYNOTE 10** *Siamak Nazari, HPE* Using Storage Class Memory in Next-Generation Designs **OPEN**	MISSION CITY BALLROOM
2:00 - 2:10 pm	**SPECIAL PRESENTATION** Innovation Leader Awards *presented by IT Brand Pulse* **OPEN**	MISSION CITY BALLROOM
2:10 - 2:40 pm	**KEYNOTE 11** *Andy Steinbach, NVIDIA* Deep Learning: Extracting Maximum Knowledge from Big Data Using Big Compute **OPEN**	MISSION CITY BALLROOM
2:40 - 3:10 pm	**KEYNOTE 12** *Scott Furey, Marvell* Using ARM-Based Processing for Efficient Hyperscale Storage **OPEN**	MISSION CITY BALLROOM
3:10 - 3:20 pm	Break	MAIN LOBBY / GREAT AMERICA LOBBY
3:20 - 4:25 pm	**NEW TECHNOLOGIES TRACK SESSION 203-A** RRAM **OPEN**	GAB J
	FLASH TECHNOLOGY TRACK SESSION 203-B Flash Technology **OPEN**	GAMR 1
	ENTERPRISE STORAGE TRACK SESSION 203-C Flash in Cloud Computing	GAMR 2
	BUSINESS/MARKETING TRACK SESSION 203-D CMO Panel: Flash Will Be Everywhere, But the Customer Still Rules **OPEN**	GAMR 3
	ARCHITECTURES TRACK SESSION IT-7 ReFlex: A System for Accessing Remote Flash like Local Flash	GAB K
3:20 - 5:45 pm	**NVMe/PCIe STORAGE TRACK FORUM A-22** PCIe/NVMe Storage	BALLROOM A
	SSDs TRACK FORUM C-22 SSD Technology	BALLROOM B
	CONTROLLERS TRACK FORUM E-22 Controllers and Flash Technology, Part 2—Error Correcting Codes *sponsored by Dera Storage*	BALLROOMS E/F
	FLASH TECHNOLOGY TRACK FORUM M-22 3-D Flash	BALLROOM D
	PERSISTENT MEMORY TRACK FORUM R-22 Persistent Memory—Convergence of Storage and Memory, Part 2 *sponsored by SNIA, JEDEC, and OFA*	BALLROOM G
4:25 - 4:40 pm	Break	MAIN LOBBY / GREAT AMERICA LOBBY
4:40 - 5:45 pm	**NEW TECHNOLOGIES TRACK SESSION 204-A** MRAM **OPEN**	GAB J
	CONTROLLERS TRACK SESSION 204-B 24-Gb/s SAS Opens the Way to the Latest High-Performance Applications *sponsored by STA, the SCSI Trade Association* **OPEN**	GAMR 1
	DATA MANAGEMENT TRACK SESSION 204-C Flash in Big Data Applications **OPEN**	GAMR 2
	BUSINESS/MARKETING TRACK SESSION 204-D Annual Update on Flash Memory for Non-Technologists **OPEN**	GAMR 3
	PERSISTENT MEMORY TRACK SESSION IT-8 NOVA: A High-Performance, Hardened File System for Non-Volatile Main Memories	GAB K
5:30 - 7:00 pm	All-Industry Reception **OPEN**	EXHIBIT HALL
6:30 - 7:00 pm	Best of Show Awards **OPEN**	FMS THEATER

Thursday

Time	Session	Location
8:00 - 8:30 am	Continental Breakfast **OPEN**	MAIN LOBBY
8:00 am - 2:00 pm	Registration	MAIN LOBBY
8:30 - 9:35 am	**NEW TECHNOLOGIES TRACK SESSION 301-A** Life Beyond Flash—New Non-Volatile Memory Technologies **OPEN**	GAB J
	ENTERPRISE STORAGE TRACK SESSION 301-B Developing High-Performance Flash Systems	GAMR 1
	ARCHITECTURES TRACK SESSION 301-C Get Compute Closer to Data with In-Storage/In-Memory Solutions **OPEN**	GAMR 2
	SECURITY TRACK SESSION IT-9 Ensuring Both Security and High Performance for Containers on Flash	GAMR 3
8:30 - 10:50 am	**NVMe/PCIe STORAGE TRACK FORUM A-31** PCIe/NVMe Development Issues	BALLROOM B
	CONTROLLERS TRACK FORUM E-31 Flash Controller Design Options	BALLROOM A
	PERSISTENT MEMORY TRACK FORUM M-31 Persistent Memory Tools and Applications	BALLROOM G
	PERSISTENT MEMORY TRACK FORUM R-31 NVDIMMs: Powerful Persistent Memory Arrives in a Familiar Form *sponsored by SNIA*	BALLROOM C
	ENTERPRISE STORAGE TRACK FORUM V-31 Flash Storage Networking	BALLROOM D
9:35 - 9:45 am	Break	MAIN LOBBY / GREAT AMERICA LOBBY
9:45 - 10:50 am	**BUSINESS/MARKETING TRACK SESSION 302-A** VC Forum **OPEN**	BALLROOMS E/F
	HISTORY TRACK SESSION 302-B Hard Disk Drives: The Giants of the Storage Industry **OPEN**	GAMR 2
	ENTERPRISE APPLICATIONS TRACK SESSION 302-C How Flash Will Transform Enterprise Applications **OPEN**	GAMR 3
	BUSINESS/MARKETING TRACK SESSION 302-D CTO Panel **OPEN**	GAB J
	ARCHITECTURES TRACK SESSION IT-10 Flash-Based Edge Computing System for IoT	GAB K
10:00 am - 2:30 pm	Exhibits Open **OPEN**	EXHIBIT HALL
11:00 - 11:30 am	**KEYNOTE 13** *Derek Dicker, Microsemi* Accelerating NVMe Innovation for Emerging Applications **OPEN**	MISSION CITY BALLROOM
11:30 am - Noon	**KEYNOTE 14** *Jeff Baxter, NetApp* Creating the Fabric of a New Generation of Enterprise Applications **OPEN**	MISSION CITY BALLROOM
Noon - 12:30 pm	**KEYNOTE 15** *Zivan Ori, E8 Storage* From Rack to Network-Scale: NVMe over Fabrics Allows Exabyte Applications **OPEN**	MISSION CITY BALLROOM
12:30 - 1:30 pm	Lunch	EXHIBIT HALL
1:30 - 2:45 pm	**FLASH TECHNOLOGY TRACK SESSION 303-A** The Next Breakthroughs in NAND Flash **OPEN**	BALLROOM A
	NVMe OVER FABRICS TRACK SESSION 303-B Ultra-Fast NVMe Storage Networks for Next Generation Flash Arrays *sponsored by FCIA* **OPEN**	BALLROOM B
	ENTERPRISE STORAGE TRACK SESSION 303-C Application Acceleration **OPEN**	BALLROOM C
	ARCHITECTURES TRACK SESSION IT-11 Solving 3D Flash's Error Recovery Problem	BALLROOM G
1:30 - 4:15 pm	**SSDs TRACK FORUM C-32** SSD Concepts	GAMR 1
	CONSUMER/MOBILE APPLICATIONS TRACK FORUM L-32 Super-High Data Rates Open Up a New World of Mobile Applications *sponsored by USFA and JEDEC* **OPEN**	GAMR 2
	NVMe OVER FABRICS TRACK FORUM W-32 NVMe over Fabrics	GAMR 3
2:00 - 2:30 pm	FMS "Big Thank You" Raffle *must be present to win* **OPEN**	FMS THEATRE
2:45 - 3:00 pm	Break	MAIN LOBBY / GREAT AMERICA LOBBY
3:00 - 4:15 pm	**EMBEDDED APPLICATIONS TRACK SESSION 304-A** Flash and the Internet of Things **OPEN**	BALLROOM D
	GENERAL TRACK SESSION 304-B Closing Panel on Top Ten Things You Need to Know About Flash Memory Today **OPEN**	BALLROOMS E/F

Press Room: Ballroom H

Santa Clara Convention Center

HALL C   HALL D

HALL A   HALL B

Exhibit Hall *Lower Level*

ENTRANCE

Great America Ballrooms *Lower Level*

Ballrooms A-H *Lower Level*

Main Lobby *Lower Level*

Great America Lobby *Lower Level*

Mission City Ballroom *Lower Level*

Rooms 201-212 *Upper Level*

Great America Meeting Rooms *Upper Level*
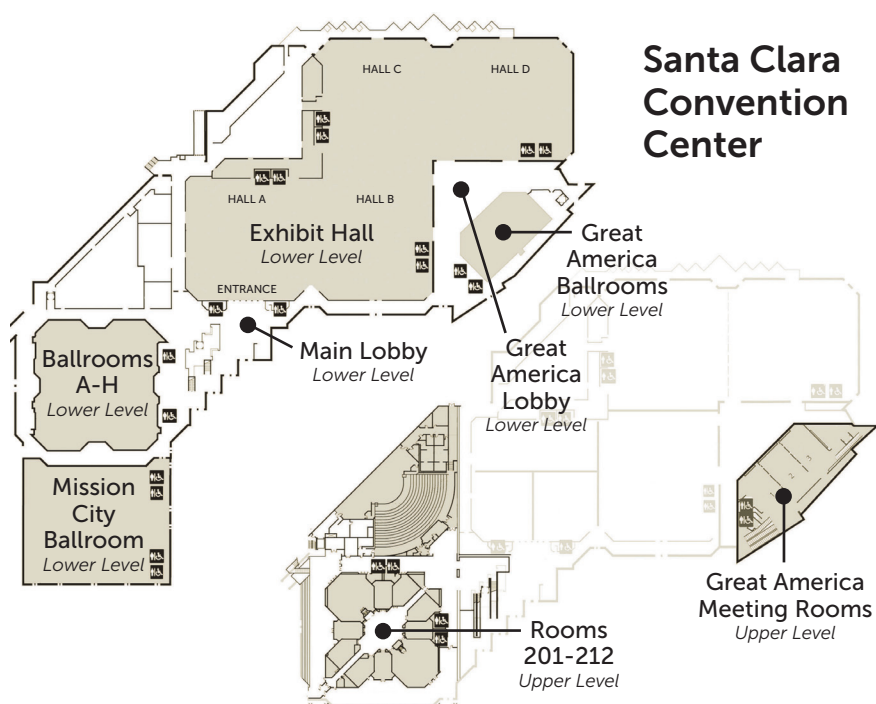
2017 FLASH MEMORY SUMMIT-AT-A-GLANCE

AUGUST 8-10
SANTA CLARA CONVENTION CENTER
AUGUST 7 PRE-CONFERENCE TUTORIALS

Flash Memory Summit