# Persistent Memory and Flash Technology
## Educate – Influence – Standardize

**SNIA. SSSI | SOLID STATE STORAGE**

- Persistent Memory
- Flash Technology
- Technology Areas
- SSSI Mission
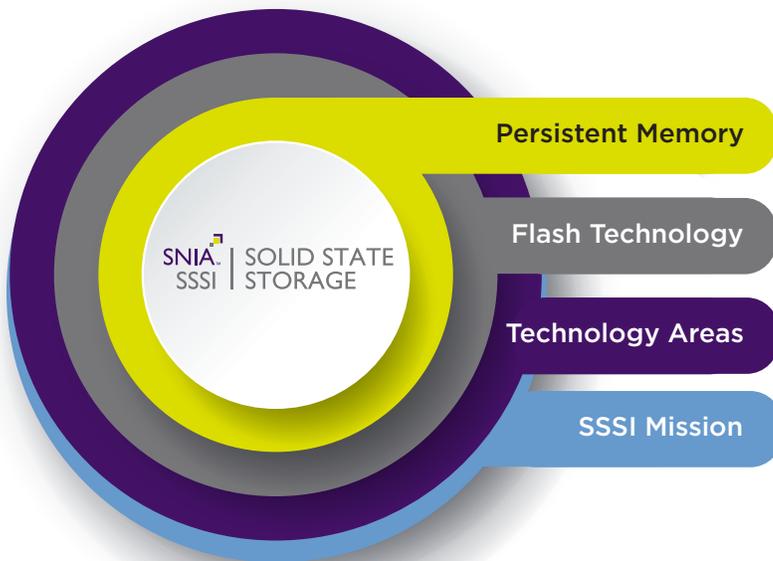
## PERSISTENT MEMORY TRENDS

✓ Architectural changes (quantum computing, in memory processing drive…)

✓ Enabling new applications (deep learning, artificial intelligence…)

✓ Driving requirements for:
- High speed persistent memory
- Operating system advances
- Emerging memories
- New memory/storage hybrids
- Remote Persistent Memory

## FLASH TECHNOLOGY TRENDS

✓ SSDs replacing performance HDDs

✓ Hyperscale with Software Defined Storage is growth role for SSDs

✓ Flash Applications span consumer products, computers, and enterprise

## TECHNOLOGY AREAS WE COVER

✓ Persistent Memory
✓ NVM Programming
✓ NVDIMM
✓ Emerging memory
✓ Containers and Persistent Memory
✓ Flash and Persistent Memory Performance
✓ Persistent Memory and Flash Applications

## LEARN MORE AT
## WWW.SNIA.ORG/SSSI

## SNIA SOLID STATE STORAGE INITIATIVE MISSION

✓ Dedicated to advancing the the acceptance and growth of Persistent Memory and Solid State Storage in the marketplace via education, market outreach, and influencing and promoting standards

✓ Key contributors via SNIA technical work and marketing Initiatives to:
- Drive system memory and storage into a single, unified "persistent memory" entity.
- Extend persistent memory to "data center scale" via Remote Persistent Memory

# SNIA Solid State Storage Initiative
## MEMBERSHIP

### WHAT SSSI MEMBERS DO

- ✓ Demonstrate Persistent Memory and Flash Technology solutions worldwide at 15+ technology events each year
- ✓ Author and publish white papers and articles
- ✓ Blog on hot storage topics
- ✓ Produce highly-rated industry webcasts
- ✓ 7,500+ viewers have seen Solid State Storage and PM webcasts 2016-2017

## SNIA Solid State Storage Initiative Members



AGIGA TECH — A CYPRESS SEMICONDUCTOR COMPANY | AIC | CALYPSO Systems | Celestica | Coughlin Associates

Demartek ENERGY EFFICIENCY TESTING | EIDETICOM | EVERSPIN TECHNOLOGIES | GIGABYTE

Hewlett Packard Enterprise | hyper I/O | IBM | intel | kaminario

Lenovo | Micron | Mellanox TECHNOLOGIES | Microsemi

MONTAGE Technology | NetApp | NETINT TECHNOLOGIES | NETLIST

OBJECTIVE ANALYSIS SEMICONDUCTOR MARKET RESEARCH | ORACLE | Rambus | SAMSUNG

SK hynix | SMART Modular Technologies | Spin Transfer Technologies An Allied Minds Compan | SunRise Memory Corporation

SUPERMICRO | TOSHIBA Leading Innovation | TRENDFOCUS The Data Storage Industry's Most Trusted Market Intelligence | viking TECHNOLOGY | WD Western Digital