

STORAGE VISIONS® 2018

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AN ENTERTAINMENT STORAGE ALLIANCE™ EVENT



Rob Davis, VP Storage Technology, Mellanox

TITLE

Good Monsters - Emerging memory technologies battle the data horde

ABSTRACT

Networking New Persistent Memory Technologies - How Do We Network Next Generation Persistent Memory? New Persistent Memory Technologies like 3D-Xpoint are on the very near horizon. They are already inside SSDs making them much faster than today's NAND based products and also accessible on the memory bus. Will new network technologies like NVMe-oF and 200Gb Networks be fast enough to support networked Persistent Memory storage application? If not what new technologies are in development to harness the enhanced performance of Persistent Memory across a network? What curve balls does storage on a memory bus throw at the problem? This session will explore these questions and possible solutions.

BIOGRAPHY

Rob Davis is Vice President of Storage Technology at Mellanox where he focuses on ways to apply high-speed interfaces to storage systems. As a technology leader and visionary for over 35 years, he has been a key figure in the development of an entire generation of storage networking products. He is currently leading the development and marketing of products based on NVMe over fabrics, which will allow for the high-speed networking of PCIe-based storage. Davis was previously Vice President and Chief Technology Officer at QLogic, where he drove development and marketing of Fibre Channel, Ethernet and InfiniBand technology into new markets such as blade servers. Before joining QLogic, Davis worked at Ancor Communications, where he drove development and marketing of Fibre Channel and InfiniBand products. Davis' areas of expertise include virtualization, Ethernet, Fibre Channel, SCSI, iSCSI, InfiniBand, RoCE (remote DMA over converged Ethernet), SAS, PCI, SATA, PM/Storage class memory, NVMe and flash storage.