



**Rob Davis, VP of Storage Technology, Mellanox Technologies**

#### **TITLE**

**NVMe Over Fabrics will radically change storage and networking**

#### **ABSTRACT**

A new technology in the storage industry called NVMe over Fabrics is in development and being finalized as a standard within the NVM Express, Inc., organization. Similar to the way parallel SCSI was networked with Fibre Channel almost 20 years ago, this technology enables NVMe solid state devices to be networked and shared using Remote Direct Memory Access (RDMA) networks today. NVMe over Fabrics has tremendous potential to accelerate the advantages of flash in the data center by enabling faster and cheaper connections both between servers and storage and between storage controllers and SSD enclosures. Requiring RDMA, it is promoting faster adoption of RDMA transports including InfiniBand and RDMA over Converged Ethernet (RoCE), and is already starting to change how storage systems are designed. The InfiniBand Trade Association (IBTA) has multiple members supporting NVMe Over Fabrics for both standards development and real-world implementations and PoCs. This talk will describe how NVMe Over Fabrics is changing the worlds of solid state storage and high-speed networking, while providing an update on both the emerging standard and the network types that support it.

#### **BIOGRAPHY**

Rob Davis is Vice President of storage technology at Mellanox Technologies and was formerly Vice President and Chief Technology Officer at QLogic. As a key evaluator and decision-maker, Davis takes responsibility for keeping Mellanox at the forefront of emerging technologies, products, and relevant markets. Prior to Mellanox, Mr. Davis spent over 25 years as a technology leader and visionary at Ancor Corporation and then at QLogic, which acquired Ancor in 2000. At Ancor Mr. Davis served as Vice President of Advanced Technology, Director of Technical Marketing, and Director of Engineering. At QLogic, Mr. Davis was responsible for keeping the company at the forefront of emerging technologies, products, and relevant markets. Davis' in-depth expertise spans Virtualization, Ethernet, Fibre Channel, SCSI, iSCSI, InfiniBand, RoCE, SAS, PCI, SATA, and Flash Storage.