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Rob Davis, VP Storage Technology, Mellanox

TITLE: New Persistent Memory Technologies and Networked Storage – How Do We Take Advantage of Next Generation Flash for Entertainment Production?

ABSTRACT

New Persistent Memory Technologies like 3D-Xpoint are on the near horizon. They will be inside SSDs making them much faster than today's NAND based products and also accessible on the memory bus. This is especially important in entertainment production where new formats are driving the need for higher performance storage networking. Will new network technologies like NVMe over fabrics and 100Gb network interfaces 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 the 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 storage 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, iSER, RoCE, SAS, PCI, SATA, NVMe and Flash Storage.