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TITLE

Evolving SATA for High-Speed Storage

ABSTRACT

Since its introduction in 2001, SATA technology has evolved from a solely client/server storage interface to provide low-cost, high performance storage solutions for a wide variety of device segments. Today SATA is used both internally and externally with many different enterprise, consumer electronics and mobile devices, and is the de facto standard for PC storage.

There is an emerging segment of the client storage market, SSDs and hybrid HDDs, that requires higher performance than today's 6Gb/s SATA. To meet the needs of this segment, SATA-IO introduced SATA Express, a new specification that provides higher performance by utilizing readily available, fast, and scalable PCI Express connectivity while preserving established SATA software compatibility,

This presentation will describe the details of SATA Express and the implications for devices and systems that will support it.

BIOGRAPHY

Paul Wassenberg has over 20 years of experience in data storage and has been deeply involved with storage interface technology, including SATA since its inception. Early in his career, he was a storage controller designer, before moving into Marketing in the HDD industry, and eventually into storage semiconductors. Paul currently holds the position of Director, Product Marketing with Marvell Semiconductor. In that role, he has responsibility for transceiver technology and HDD/SSD storage standards. He is on the SATA-IO board of directors and chairs the SNIA Solid State Storage Initiative. Paul holds BSEE and MBA degrees from San Jose State University.