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Michelle Munson, CEO and co-founder, Aspera

TITLE: Ultra high-speed transmission technology for wide area data movement

ABSTRACT

With the explosive growth of file-based data across all industries, fast and reliable movement of massive digital data over global distances is becoming vital to business success. The Transmission Control Protocol (TCP) that has traditionally been the engine of this data movement, however, has inherent bottlenecks in performance, especially for high round-trip time and packet loss. This becomes most pronounced on high-bandwidth networks, where available bandwidth is wasted in idle transmission or transmission of redundant data. Moreover, TCP does not consider bottlenecks in the end systems (disk IO and file systems) exposed by ultra-high-speed networks. The presentation explores these various bottlenecks to data movement and introduces an innovative data transmission technology as a solution capable of moving petabyte data on a daily basis.

BIOGRAPHY

Michelle Munson, president and co-founder of Aspera, Inc., is co-inventor of Aspera's core technology and responsible for overseeing the company's direction. With breakthrough technology solving the fundamental problems of network data delivery, Aspera has quickly become the market leader for high-performance, global file transfer in media and entertainment, and is extensively deployed throughout a variety of industries, as well as government and defense markets, worldwide. Before founding Aspera in 2004, Michelle was a software engineer in several research and start-up companies including the IBM Almaden Research Center in San Jose, California. A Fulbright Scholar, Ms. Munson holds B.S. degrees in electrical engineering and physics from Kansas State University, as well as a master's in computer science from Cambridge University.