

# Revolution in Storage

*Wednesday 29 May 2013 15:10 (20 minutes)*

The trends of technology are rocking the storage industry. Fundamental changes in basic technology, combined with massive scale, new paradigms, and fundamental economics leads to predictions of a new storage programming paradigm. The growth of low cost/GB disk is continuing with technologies such as Shingled Magnetic Recording and jumps in tape density. Flash and RAM are continuing to scale with roadmaps, some argue, down to atom scale.

These technologies do not come without a cost.

It is time to reevaluate the interface that we use to all kinds of storage, RAM, Flash and Disk. The discussion starts with the unique economics of storage (as compared to processing and networking), discusses technology changes, posits a set of open questions and ends with predictions of fundamental shifts across the entire storage hierarchy.

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**Session Classification:** Big Data Processing on Modern Architectures