



# Memory and Storage Solutions for the Cloud Computing Era

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While it's clear that the industry is in the middle of the hype cycle for cloud computing, it doesn't hamper the reality that new economies and business paradigms are coming soon to our industry.

Many recent trends also point to new shifts in the market consumption of memory and storage, with computing servers taking dramatically increasing capacities.

## Abstract (continued)

In this presentation we consider the implications of how storage will need to be flexible in system and datacenter provisioning, yet provide the higher performance like a local store.

The tradeoffs in architecture approach and design will be analyzed, looking especially at how flash memory and SSD's enable significant improvements in these environments.

Suggestions are provided on new approaches to utilizing flash memory to achieve these purposes.



## Background - Presenter

Jonathan Hinkle is the Memory Systems Architect at Viking Modular Solutions, a Sanmina-SCI company. Prior to joining Viking, Mr. Hinkle worked at IBM developing x86 systems from high-end rackmount servers to blades. He also invented and drove first development of the VLP DIMM.

He is the chairman of task groups and vice-chairman of the JC45.1 (RDIMM) committee in JEDEC and a Senior Member of the IEEE. He holds BS and MS degrees in Computer Engineering from North Carolina State University.



## Viking Modular Solutions – Company Bio

Viking Modular Solutions, Sanmina-SCI Corporation, is committed to designing, manufacturing and delivering the latest, most cost-effective & innovative Flash and DRAM solutions to our OEM customers worldwide.

Our comprehensive range of Flash & DRAM modules allow OEM customers maximum flexibility to enhance the speed, quality and design of their products.



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