



SPEAKER SPOTLIGHT

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MEMCON

TELL US ABOUT YOUR WORK AND WHAT YOU'LL BE DISCUSSING AT MEMCON 2024

- I work as the director of the Toronto Emerging Storage Lab for Huawei Canada. I lead a team of innovators who are exploring all aspects of next-generation storage systems. This includes **the use of memory technologies like CXL and HBM**. At Memcon 2024, I will be talking in the "**How to Improve Data Movement using Accelerated Networks**" session. I will discuss how emerging workloads like large-scale AI/ML are placing a huge amount of pressure on data movement thanks to their massive memory footprint. We look at how we can **use new technologies like CXL, p2pdma, and SDXi to help both reduce data movement and make it more efficient and performant**.

HOW DO YOU SEE THE MEMORY INDUSTRY EVOLVING IN THE NEXT FEW YEARS?

- I think we are going to see a lot of work on what some call the "**Memory Area Network**". How do we move to a unified rack-scale view of physical memory where a massive amount of memory is accessible, poolable, and sharable across all the CPUs and accelerators in an entire rack? And how do we make this large MAN coherent where it needs to be and non-coherent elsewhere?
- I also think we are going to see a bunch of work in the software and compiler space looking at how we make applications more latency-aware so they can leverage cheaper, more distance, memory without compromising application performance.

WHAT ARE YOU MOST LOOKING FORWARD TO ABOUT ATTENDING MEMCON 2024?

- The social networking!! Memcon 2024 has a great line-up of talks and I will definitely enjoy those. However, I often learn even more by engaging with the attendees at events like these, discussing the topics in the talks, and brainstorming on ideas!

REGISTER NOW TO JOIN STEPHEN AT THE SUMMIT IN MARCH!