

## **Keynote Talk**

### **Keynote Speaker**

**Vivek Sarkar (Georgia Institute of Technology),**

Vivek Sarkar is a Professor of Computer Science at Georgia Institute of Technology, where he holds the Stephen Fleming Chair for Telecommunications in the College of Computing. Earlier, he held the E.D. Butcher Chair in Engineering at Rice University during 2007 -- 2017. Prior to joining Rice in 2007, Vivek was Senior Manager of Programming Technologies at IBM Research. His past research projects include the Habanero Extreme Scale Software Research and Open Community Runtime (OCR) projects, the X10 programming language, the Jikes Research Virtual Machine for the Java language, the ASTI optimizer used in IBM's XL Fortran product compilers, and the PTRAN automatic parallelization system. Vivek became a member of the IBM Academy of Technology in 1995, the E.D. Butcher Chair in Engineering at Rice University in 2007, and was inducted as an ACM Fellow in 2008. Vivek has been serving as a member of the US Department of Energy's Advanced Scientific Computing Advisory Committee (ASCAC) since 2009, and on CRA's Board of Directors since 2015.

## **Invited Talk**

### **Persistent Memory: The Value to HPC and the Challenges**

**Andy Rudoff, Intel Corporation**

#### **Abstract:**

In this talk, Andy will describe the emerging Persistent Memory technology and how it can be applied to HPC-related use cases. Andy will also discuss some of the challenges using Persistent Memory, and the ongoing work the ecosystem is doing to mitigate those challenges.

#### **Bio:**

Andy Rudoff is a Senior Principal Engineer at Intel Corporation, focusing on Non-Volatile Memory programming. He is a contributor to the SNIA NVM Programming Technical Work Group. His more than 30 years industry experience includes design and development work in operating systems, file systems, networking, and fault management at companies large and small, including Sun Microsystems and VMware. Andy has taught various Operating Systems classes over the years and is a co-author of the popular UNIX Network Programming text book.