Title: Secure System Firmware and Architecture

Keynote Speaker: Todd Takken, Research Staff Member, IBM Research

Bio:
Dr. Takken received a Ph.D. degree in electrical engineering from Stanford University, Stanford, CA, USA. He has worked as a Research Staff Member with the IBM T. J. Watson Research Center, Yorktown Heights, NY, USA. He served as the principal hardware lead for the Blue Gene /P and /Q supercomputers, influenced the packaging design of the JECEC differential DIMM (DDIMM) Standard, and led the design prototyping and system implementation the flexible multiprocessor cold plates used in the Summit and Sierra supercomputers. He is a Senior Member of the IEEE, and has authored 118 patents and more than 30 papers in the areas of computer system architecture, memory systems, memory packaging, computer networks, low latency memory, signal integrity, system clocking, system cooling, cold plate technology, power conversion, magnetics, mechanical and electrical connectors, and systems packaging.