

Smoky Mountains Computational Sciences and Engineering Conference

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Presentation Title:

The Fusion of Supercomputing and Data Analytics To Drive Scientific Discovery

Abstract:

Supercomputing is about getting the highest performance and most realistic simulations possible on “basketball court-sized” tightly integrated systems for scalability and usability. Large Scale data analytics is about getting knowledge out of immense amounts of data on “warehouse-sized”, low-cost commodity systems. In this talk, we will look at if the technologies and systems used to solve these problems are diverging or converging over time and how changes in system architecture and a more holistic approach can change the game for scientific discovery in the future.

Bio:

Peter Ungaro serves as President and Chief Executive Officer of Cray Inc., a leader in the supercomputing marketplace. Prior to his appointment as President and CEO in 2005, Ungaro was the Senior Vice President responsible for sales, marketing and service. Ungaro was named CEO of the Year for 2006 by Seattle Business Monthly magazine for his leadership in turning around the company and one of the “40 under 40” by Corporate Leader Magazine in 2008. He has been appointed to the Department of Commerce’s Manufacturing Council and served from 2010 to 2012. The Council advises the Secretary of Commerce on matters relating to the competitiveness of the manufacturing sector and government policies and programs that affect U.S. manufacturers.

Before joining Cray in 2003, Ungaro served as Vice President of Sales for Worldwide Deep Computing, at IBM. In that role, he led global sales of all IBM server and storage products for high performance computing, life sciences, digital media and business intelligence markets. He held a variety of other sales leadership positions since joining IBM in 1991. Ungaro received a B.A. in business administration from Washington State University.