

Bruce Hendrickson

Principal Associate Director for Computing
Lawrence Livermore National Lab



Recent Awards and Honors

- Fellow, Society for Industrial and Applied Mathematics (SIAM), 2012
- Fellow, American Association for the Advancement of Science, 2015
- SuperComputing Conference Test of Time Award for development of multilevel graph partitioning, 2014
- George R. Cotter Award for “Vision and Leadership in the Field of Data Analytics”, 2017
- Distinguished Scientist, Association for Computing Machinery, 2009

Involvement in CRA Activities

- I have long been an observer and admirer of CRA activities, but I have never before had an opportunity to contribute to them.

Other Relevant Experience

- I lead the largest computing organization in the national lab system
- I have served and led SIAM in numerous ways through the years, including:
 - Serving on the Committee on Science Policy (policy and advocacy focus), 2017-Present
 - Serving two (elected) terms on the Council, 2009-2014
- I was the Program Manager for the Department of Energy's Applied Mathematical Sciences Program, 2000
- I was an Affiliated Professor of Computer Science at the University of New Mexico, 1997-2017

Research Interests

- Computational science
- Parallel algorithms
- Combinatorial scientific computing
- Linear algebra
- Data analytics
- Graph algorithms
- Computer architecture

Personal Statement

US national laboratories are home for thousands of computing researchers whose work spans the discipline. I have led computing research efforts at two labs, and currently lead the largest computing organization in the lab system. I have long followed the important work of the CRA but lamented its lack of lab ties. I hope to rectify this by serving on the Board. I bring broad experience in congressional engagements, deep knowledge of the funding agencies, and an understanding of the lab environment. I hope to build mutually beneficial relationships between the CRA and the lab computing research community.