David Bader

Distinguished Professor
New Jersey Institute of Technology
Data Science

Recent Awards and Honors

- IEEE CS Sidney Fernbach Award (2021)
- Innovation Hall of Fame, University of Maryland, A. James Clark of Engineering (2022)
- Fellow of the IEEE (2009), ACM (2021), AAAS (2011), SIAM (2019)
- Georgia Tech Outstanding Senior Faculty Research Award (2014)
- IEEE CS Golden Core Member Award (2010)

Involvement in CRA Activities

- CRA Board Member, 2013-2014
- CRA Snowbird Organizing Committee, 2014
- CRA Government Affairs Committee Member, 2013-2021
- CCC/CRA Computing Innovations Fellows Project, 2010
- CRA-NIH Workshop on Computational Challenges in Biomedicine, 2006
- NITRD-CRA Workshop on the Road Map for the Revitalization of High End Computing, 2003

Other Relevant Experience

- Chair, NSF Committee of Visitors for OAC, 2021-2022
- NSF Advisory Committee on Cyberinfrastructure, 2014-2017
- IEEE Computer Society Board of Governors, 2014-2016
- Editor-in-chief, ACM Trans. on Parallel Computing, 2018 - present
- Editor-in-chief, IEEE Trans. on Parallel and Distributed Systems, 2014-2017

Research Interests

- High Performance Data Analytics
- Parallel Graph Algorithms
- High Performance Computing

Personal Statement

David Bader, a national thought-leader in computing, is recognized for developing the first Linux supercomputer in 1998. Within a decade this design became the predominant architecture for all major supercomputers in the world. He has served as a lead investigator on several major DARPA efforts. Bader has best paper awards from top IEEE & ACM conferences. He advises the White House, most recently on NSCI and FACE. Bader founded Georgia Tech's School of Computational Science and Engineering and launched one of the nation's first Data Science programs. Bader aims to strategically position CRA's activities more aligned with the AI revolution.