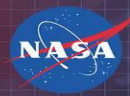


Networking & Information Technology Research and Development Program

*High End Computing Interagency Working Group (HEC IWG) &
Big Data Senior Steering Group (BDSSG)*

*Peter Lyster, Deputy Director
National Coordination Office NITRD*

Supercomputing and Big Data: From Collision to Convergence



Networking and Information Technology Research and Development Program

- Created by the [High-Performance Computing \(HPC\) Act of 1991 \(Public Law 102-194\)](#)
- Purpose: *To assure U.S. leadership in, and accelerate development and deployment of, advanced networking, computing systems, software, and associated information technologies.*
- Overseen by the *National Coordination Office (NCO)*
 - **Purpose:** *Provides support for the NITRD Program by providing technical expertise, planning, and coordination and by serving as the Program's central point of contact.*
 - **Vision:** *To be a catalyst for collaboration, information exchange, and outreach to foster knowledge, methods, R&D, technology transfer, and innovation to meet the NITRD Program goals.*

Organization

White House Executive Office of the President
Office of Science and Technology Policy

National Science and
Technology Council

Committee on
Technology

Subcommittee on
Networking and Information
Technology R&D (NITRD)

National Coordination
Office for NITRD

Goals

- What can supercomputing and big data communities learn from each other, and how can this be done?
- Can the technology for big data and high-fidelity HPC simulation really merge? If so, how may it happen, and when?
- What are the potential outcomes and impacts from such a merger?
- What research is needed to investigate the challenges and opportunities presented by the convergence of supercomputing and big data?

Panelists

- Randal Bryant, White House Office of Science and Technology Policy
- Andrew Moore, Carnegie Mellon University
- George Biros, University of Texas at Austin
- Ian Foster, Argonne National Laboratory & University of Chicago
- David Bader, Georgia Tech