



Department of Energy
Office of Science
Washington, DC 20585

Office of the Director

Professor Daniel A. Reed, Chair of the ASCAC
Office of the Vice President for Research and Economic Development
University of Iowa
2660 UCC
Iowa City, Iowa 52242

Dear Professor Reed:

Thank you for your continued service to the Office of Science (SC) and the scientific communities that it serves as the Chair of the Advanced Scientific Computing Advisory Committee (ASCAC). Your reports and recommendations continue to help us improve the management of the Advanced Scientific Computing Research (ASCR) program.

As you know, physical limitations are forcing an end to "Moore's Law" which predicts a doubling of transistors every two years. Science relies on computing in so many ways, we must prepare for the significant changes ahead without wavering from our commitment to deliver exascale capability.

By this letter, I am charging the ASCAC to form a subcommittee to review opportunities and challenges for future high performance computing capabilities. Specifically, we are looking for input from the community to determine areas of research and emerging technologies that need to be given priority. ASCAC should gather, to the extent possible, input from a broad cross-section of the stakeholder communities.

To inform ASCR planning, I would appreciate receiving the committee's preliminary comments by the Summer 2017 meeting, and a final report by December 20, 2017. I appreciate ASCAC's willingness to undertake this important assignment.

If you or the subcommittee chair have any questions, please contact Christine Chalk, Designated Federal Official for ASCAC at 301-903-5152 or by e-mail at christine.chalk@science.doe.gov.

I appreciate ASCAC's willingness to undertake this important activity.

Sincerely,

C. A. Murray
Director, Office of Science

