



Department of Energy
Office of Science
Washington, DC 20585
October 29, 2009

Office of the Director

Professor Roscoe Giles, Chair
Department of Electrical & Computer Engineering
Boston University
8 St. Mary's Street
Boston, MA 02215

Dear Professor Giles:

Over the last few years, several workshops and subcommittee reports have identified and described the scientific opportunities for high performance computing. By this letter I am charging the Advanced Scientific Computing Advisory Committee (ASCAC) to assemble a subcommittee to look at the results of these activities and to analyze the opportunities and challenges for the Office of Advanced Scientific Computing Research (ASCR) and the Office of Science associated with exascale computing. Specifically, I would like the sub-committee to deliver a report that:

- Assesses the opportunities and challenges of exascale computing for the advancement of science, technology, and Office of Science missions.
- Identifies strategies that ASCR can use to address the challenges and deliver on such opportunities.

We would appreciate the committee's preliminary comments by March 30, 2010, and a final report by August 15, 2010. I appreciate ASCAC's willingness to undertake this important activity.

If you have any questions regarding this matter, please contact either Michael Strayer, the Associate Director of the Office of Science for ASCR, or Christine Chalk, the Designated Federal Official for the ASCAC.

Sincerely,

A handwritten signature in black ink, appearing to read "W. F. Brinkman".

W. F. Brinkman
Director, Office of Science



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