



Department of Energy
Office of Science
Washington, DC 20585

Office of the Director

OCT 31 2012

Dr. Roscoe Giles, ASCAC Chair
Department of Electrical and Computer
Engineering
Boston University
8 St. Mary's Street
Boston, Massachusetts 02215

Dear Dr. Giles:

Thank you for the excellent Committee of Visitors (COV) review of the Computer Science program. The Office of Advanced Scientific Computing Research (ASCR) will respond to the recommendations of the COV to improve the management of this important program. The full program response and action plan will be posted on the ASCAC website (<http://science.energy.gov/ascr/ascac/reports/>).

To help the research communities utilize the capabilities of current and future supercomputers, ASCR also supports a basic research program in Applied Mathematics which ASCAC last reviewed in 2009. To ensure the integrity of this research program and to ensure that it is meeting the challenges of the DOE mission, I am asking the Advanced Scientific Computing Advisory Committee (ASCAC) to assemble a Committee of Visitors (COV) to review the management processes for the Applied Mathematics elements of the ASCR program. A report will be expected at the August 2013 ASCAC meeting.

The COV should provide an assessment of the processes used to solicit, review, recommend, and document proposal actions and monitor active projects and programs. The Committee should assess the operations of the Applied Mathematics programs during the fiscal years 2010, 2011, and 2012. The panel may examine any files from this period for both DOE laboratory projects and university projects. The Committee will be provided with background material on the program prior to the meeting.

I would like the Committee to consider and provide their evaluation of the following two major program elements:

1. For both the DOE laboratory projects and the university projects, assess the efficacy and quality of the processes used to:
 - (a) solicit, review, recommend, and document proposal actions, and
 - (b) monitor active projects and programs.



2. Within the boundaries defined by DOE missions and available funding, comment on how the award process has affected:
 - (a) the breadth and depth of portfolio elements,
 - (b) the degree to which the program is anticipating and addressing emerging challenges from high performance computing and DOE missions, and
 - (c) the national and international standing of the program with regard to other applied mathematics research programs that are also focused on the demands of high performance scientific computing and analysis of massive datasets.

If you or the COV Chair have any questions, please contact Christine Chalk, the 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,

A handwritten signature in black ink, appearing to read 'W. F. Brinkman', with a long horizontal flourish extending to the right.

W. F. Brinkman
Director, Office of Science