



## Under Secretary for Science

Washington, DC 20585

October 15, 2008

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

Dear Dr. Giles:

Thank you for the excellent Committee of Visitors (COV) review of the Innovative and Novel Computational Impact on Theory and Experiment (INCITE) program. The Office of Advanced Scientific Computing Research (ASCR) has already undertaken changes to respond to the recommendations of the COV and improve the management of this important program. The full program response and action plan is posted on the ASCAC website (<http://www.sc.doe.gov/ascr/ASCAC/Reports.html>).

To help the research communities utilize the capabilities of current and future supercomputers, ASCR supports a basic research program in Computer Science. To ensure the integrity of this research program, I am asking the Advanced Scientific Computing Advisory Committee (ASCAC) to assemble a Committee of Visitors (COV) to review the management processes for the Computer Science elements of the ASCR program. A report will be expected at the August 2009 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 Computer Science programs during the fiscal years 2006, 2007, and 2008. 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 evaluation of the following four 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.



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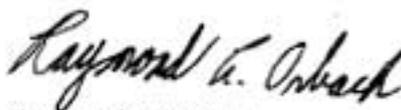
2. Within the boundaries defined by DOE missions and available funding, comment on how the award process has affected:

- (a) the breadth and depth of portfolio elements, and
- (b) the national and international standing of the program with regard to other computer science research programs that are also focused on the demands of high performance scientific computing and analysis of petascale 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](mailto:christine.chalk@science.doe.gov).

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

Sincerely,



Raymond L. Orbach