



DEPARTMENT OF THE ARMY
ENGINEER RESEARCH AND DEVELOPMENT CENTER, CORPS OF ENGINEERS
INFORMATION TECHNOLOGY LABORATORY
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REPLY TO
ATTENTION OF

CEERD-IZP

July 27, 2015

MEMORANDUM FOR High Performance Computing Advisory Panel (HPCAP)

SUBJECT: Selection of FY 2016 Department of Defense (DoD) High Performance Computing Modernization Program (HPCMP) Frontier Projects

1. Frontier Projects were established in FY 2014 to enable research, development, test and evaluation outcomes that could not be achieved using typically available HPCMP resources alone. These projects are aligned with the DoD mission priorities and are supported by multi-year investments in multi-disciplinary teams leveraging exceptional amounts of high performance computing resources.

2. Based upon the recommendation of my management team and the evaluation criteria specified in the FY 2016 call for proposals, I have selected the following projects for award:

a. *Advancing DoD Modeling and Prediction Capabilities in the Arctic, an Evolving Navigable Ocean*, Wieslaw Maslowski – Naval Postgraduate School

b. *Terminal Ballistics for Lethality and Protection Sciences*, Robert Doney – Army Research Laboratory

c. *Development of Multi-Scale Models for Materials Design*, Mark S. Gordon – Iowa State University, Government sponsor: Jerry Boatz, Air Force Research Laboratory

3. These three projects were selected from eleven proposals submitted in response to the FY 2016 call. Each was subjected to extensive peer review by a technical evaluation panel and examined closely by the Services and Office of the Secretary of Defense for mission relevance.

4. The HPCMP will allocate resources for each selected project with a planned start date of 1 October 2015. The HPCMP resource management team will evaluate the progress of each project on a quarterly basis. Each project will be required to report the status (highlighting notable achievements) at the end of each fiscal year.

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5. Please join me in congratulating the members of these new Frontier Projects. My point-of-contact for this activity is Ms. Sandy Landsberg, Associate Director for Resource Management. She may be contacted by phone at 703-812-4453 or by e-mail at Sandy.Landsberg@hpc.mil.

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DAVID A. HORNER, PhD, PE
Director, High Performance
Computing Modernization Program