



**DEPARTMENT OF THE ARMY**  
ENGINEER RESEARCH AND DEVELOPMENT CENTER, CORPS OF ENGINEERS  
INFORMATION TECHNOLOGY LABORATORY  
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CEERD-IZP

26 July 2016

MEMORANDUM FOR HIGH PERFORMANCE COMPUTING (HPC) ADVISORY PANEL

SUBJECT: Selection of Fiscal Year 2017 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 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 2017 call for proposals, I have selected the following projects for award:
  - a. *HPC Modeling and Simulation to Support DoD Rotorcraft Acquisition Programs*, Andrew Wissink, Army Aviation and Missile Research, Development, and Engineering Center
  - b. *Validation of Turbulence and Turbulent Combustion Models for Air Force Propulsion Systems*, Venkateswaran Sankaran, Air Force Research Laboratory
  - c. *Earth System Prediction Capability*, Alan Wallcraft, Naval Research Laboratory
3. These three projects were selected from nine proposals submitted in response to the FY 2017 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 2016. The HPCMP resource management team will evaluate the progress of each project on a quarterly basis. Each project will be required to report its status (highlighting notable achievements) at the end of each fiscal year.

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SUBJECT: Selection of Fiscal Year 2017 Department of Defense (DoD) High Performance Computing Modernization Program (HPCMP) Frontier Projects

5. Please join me in congratulating the members of these new Frontier Projects. My point-of-contact for this activity is Mr. Michael Ausserer, Associate Director for Resource Management. He may be contacted by phone at 937-255-6614 or by e-mail at michael.ausserer@us.af.mil.

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Director, High Performance  
Computing Modernization Program