

CLIMATE & ENERGY SYMPOSIUM 2010

PROCEEDINGS ON CLIMATE & ENERGY:

IMPERATIVES FOR FUTURE NAVAL FORCES

23–24 MARCH 2010

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Printed in the United States of America.

10-02733

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**PREFACE:
CLIMATE AND ENERGY IMPERATIVES
FOR FUTURE NAVAL FORCES**

There is growing recognition that changes in global climate and in energy supply and demand will play important roles in shaping our nation's overall security environment. The prospect for sea-level rise, significant changes in the nature and extent of ice coverage in the Arctic, substantial melting of the world's glaciers, and increased international competition for energy resources seem particularly important for our nation's naval forces—including those of the Navy, the Marine Corps, and the Coast Guard. To explore the issues related to changes in climate and energy, The Johns Hopkins University Applied Physics Laboratory and CNA, which operates the Center for Naval Analyses and the Institute for Public Research, sponsored a 2-day symposium in March 2010. The symposium featured a rich collection of recognized experts in the national security implications of climate and energy, including the Secretary of the Navy, the Directors of Navy Task Force Climate Change and Navy Task Force Energy, and senior military personnel from each of the Department of Defense's geographical combatant commands. The proceedings that follow document the presentations, panel discussions, and question-and-answer sessions from the symposium and describe in some detail how changes in climate and energy may affect the missions and tasks that are undertaken by future U.S. naval forces and the ways in which those forces are organized and equipped to carry out their assignments.

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