

**AIRCRAFT CARRIER
TECHNOLOGY
SMALL BUSINESS
OPPORTUNITIES BREAKFAST**
22 June 2004



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**Program
Overview**



Representatives from the Program Executive Office for Aircraft Carriers will discuss the CVN 21 program, including schedules, technology needs, and the Carrier Technology (CARTECH) management process. Representatives from Northrop Grumman Newport News Shipbuilding and the Virginia Advanced Shipbuilding and Carrier Integration Center (VASCIC) will present an overview of the CVN 21 program and opportunities for small business partnerships. ONR will present an information brief on their upcoming R&D Partnership Conference to be held on 3-6 August, and also discuss ongoing Small Business efforts within ONR.



NORTHROP GRUMMAN
DEFINING THE FUTURE

Speaker Biographies

Agenda

Speaker Biographies

CAPTAIN MICHAEL A. SCHWARTZ

Captain Michael A. Schwartz graduated from the University of Pennsylvania with a B.S.E.E. He received his Naval Commission through the NROTC Scholarship Program. He served on the USS WILLIAM V. PRATT (DDG 44) followed by an assignment in 1984 as an engineering instructor at Surface Warfare Officer School Command in Newport, Rhode Island. He received a M.S.E.E. from Naval Postgraduate School Monterey, California in 1989, and was assigned as chief engineer in USS CHARLES F. ADAMS (DDG-2). In 1991, he was designated an Engineering Duty Officer, and was assigned to the Supervisor of Shipbuilding, Conversion and Repair, Jacksonville, Florida, as Ship Repair Officer and Aircraft Carrier Project Officer. In 1993, he was assigned to Commander Naval Air Force Pacific Fleet in San Diego, California as Aircraft Carrier Maintenance Officer. He later served as Main Propulsion Assistant, then Chief Engineer in USS KITTY HAWK (CV 63) from 1996 to 1999. Captain Schwartz reported to Space and Naval Warfare Systems Command, San Diego, California as Shore Systems Installation Manager in 1999. In August 2000, he reported to PEO Aircraft Carriers, as Assistant PM for Aircraft Carrier Refueling Complex Overhauls, and was selected as PM, CVN 21 Future Aircraft Carriers Program.

DR. CHARLES MILLIGAN

Charles Milligan holds B.S., M.S., and Ph.D. degrees in Mechanical Engineering from the University of Maryland. He joined APL in 1997 and is a member of the Principal Professional Staff. Dr. Milligan is assigned to PEO Aircraft Carriers. He is responsible for managing the evaluation and insertion of science and technology initiatives from ONR, DARPA, and others, and directs the operation of the aircraft carrier technology management process. He has also investigated concepts to protect against terrorist attacks employing vehicle-delivered explosives and has performed numerical predictions of damage caused by airborne and underwater explosions. Before joining APL, Dr. Milligan was a project manager for the ONR Submarine Combat Protection Exploratory Development Project, led Navy participation in the Intelligent Shock Mitigation and Isolation System Project funded by DARPA, and performed analysis in support of wide aperture array sonar and Aegis Vertical Launch System.

MR. BOB SCHATZEL

Mr. Schatzel is the Design Manager for CVN 21 Ship Integration in the Northrop Grumman Newport News CVN 21 Program Office. He established the Newport News CVN 21 R&D Technology Material Program. Prior to this, Mr. Schatzel was a design Manager in the Virginia Advance Shipbuilding and Carrier Integration Center responsible for developing and managing technology research and development projects with Government Labs, Universities, the Navy CVN 21 Program Office and Industry. Mr. Schatzel was also a design Manager in the NN Innovation Center responsible for analyzing, assessing and developing future technologies to reduce aircraft carrier life cycle costs and manpower requirements. Mr Schatzel has had a variety of experiences working on the Arsenal Ship Program, NN Royal Norwegian Navy Multipurpose Frigate Program; LPD-7 Capture Team; Advanced Seal Delivery Program, Surface ship Electric Drive Program; and new construction and overhaul submarine program.

MS. KATHLEEN ETXEGOÏEN

Kathleen is the Director of Technology Development for Northrop Grumman Newport News. In this role, she is responsible for the shipyard's carrier and submarine technology development programs. This includes expanding the role of the Herbert H. Bateman Virginia Advance Shipbuilding and Carrier Integration Center (VASCIC) in test, training and integration activities as well as managing research and development programs. Kathleen also retains responsibility for the NN Engineering Office in Washington D.C. Kathleen joined NN as a manager for the Washington D.C. engineering office. Prior to that, she was an assistant vice president at Planning Systems Inc., a Northern Virginia firm specializing in submarine and underwater engineering technologies. Kathleen earned a B.S. in oceanography at the Florida Institute of Technology and a M.S. in mechanical engineering from the Catholic University of America.

MS. GENESTA SMOOTH BELTON

Genesta is the Director of Small Business for the ONR Small & Disadvantaged Business Utilization office and an Associate Director for the DoN. Ms. Belton heads the office responsible for insuring that small business, small disadvantaged business, HUBZone, service-disabled veteran owned small business, veteran-owned small business, and women-owned small business concerns, including historically black colleges and universities and minority institutions, participate in ONR's acquisition program both as prime contractors and as subcontractors. The office also facilitates achievement of the Small Business Program Targets in accordance with the Navy's Small Business Improvement Plan. Prior accomplishments include the position of Branch head in the Contracts and Grants Awards Division at ONR with an unlimited Contracting Officers Warrant, graduate of the Navy Intern Program and the Women's Executive Leadership Program. Genesta Smooth Belton is an alumnus of South Carolina State University where she earned her BS in Early Childhood Education with honors and she holds a Master of Arts degree in Procurement and Acquisition Management from Webster University.

MS. GEORGIA (GIA) M. HARRIGAN

Gia Harrigan is currently on assignment with the Office of Naval Research, in Washington, DC, where her primary responsibility is the conduct of the Fifth Annual Naval-Industry R&D Partnership Conference. She is employed by the Naval Undersea Warfare Center Division, Newport, Rhode Island and leads strategic initiatives in the organizational transformation, in the areas of Technology Insertion Strategies, Balanced Scorecard and Knowledge Management. Ms. Harrigan has completed an Advanced Studies Program in System Dynamics at the Massachusetts Institute of Technology. She has a Masters of Business Administration degree from the University of Rhode Island and an undergraduate degree in Mathematics from Boston College.

7:00-7:30 Breakfast / Introduction

Carriers Government Sponsor Presentations:

CVN 21 Program Overview - CAPT Michael Schwartz (PMS378)

Carrier Technology Management (CARTECH) Overview
Dr. Charles Milligan
(PEO Carriers CTO)

PEO Carriers Prime Contractor Presentations:

Northrop Grumman
Newport News CVN 21 Program Office-
Mr. Bob Schatzel (Design Manager,
Integration, CVN 21 Program)

Virginia Advanced Shipbuilding and Carrier Integration Center (VASCIC) -
Ms. Kathleen Etxegoin (Director,
Technology Development, Northrop
Grumman Newport News)

ONR Small Business Overview - Ms. Genesta S. Belton, Director of Small Business, ONR

Naval-Industry R&D Partnership Conference Overview - Ms. Gia Harrigan,
ONR

Interaction/discussions with speakers

7:30-8:30

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Interaction/discussions with speakers

8:30-9:20

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Interaction/discussions with speakers

9:20-9:30

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ONR

Interaction/discussions with speakers