



The LOGBOOK

A Publication of the

Wayne E. Meyer Institute of Systems Engineering

www.nps.navy.mil/meyerinstitute

Email: Meyerinstitute@nps.edu Phone: (831) 656-7847 Fax: (831) 656-3822

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Naval Postgraduate School, 777 Dyer Rd. Mail Code 97, Monterey CA 93943

2009

Dr. Paul Shebalin, Director –
RADM, USNR (Ret)

Raymond Jones, Chair, Undersea
Warfare, RADM, USN (Ret)

Rick Williams, Chair of
Expeditionary and Mine Warfare
RDML, USN, (Ret)

USW Curriculum Student Takes Top Honors

LT Adam Thomas, recent Naval Postgraduate School Undersea Warfare (USW) graduate and nuclear-trained Submarine Offi-



cer, was selected as the first USW student ever to win the prestigious Chief of Naval Operations Award for

Excellence in Operations Research. He was also awarded the Monterey Council Navy League Award for Highest Academic Achievement and the Chief of Naval Operations Undersea Warfare Award. LT Thomas' thesis is entitled "Defender-Attacker Optimization of Antisubmarine Warfare Mission Planning." The final deliverable was a prototype planning tool that assigns ships, submarines and aircraft to patrol areas in an antisubmarine warfare scenario. Using a combination of advanced search theory and the most cutting edge optimization theory, LT Thomas' ASW Planner provides the user with the best course of action to protect a high-value unit and demonstrates the most probable enemy approach paths. The research has been briefed to Commander Second Fleet staff, Office of Naval Research and Navy Warfare Development Command. The planning tool is currently a candidate for inclusion in a suite of models for Navy operational level planning, and a journal article is being submitted for publication.



"the first USW student ever to win the prestigious Chief of Naval Operations Award for Excellence in Operations Research"

RADM (Ret.) Ray Jones

Rapid Response Harbour Defence '08

RDML (Ret) Rick Williams

RDML (Ret) Rick Williams, the Chair of Expeditionary and Mine Warfare, recently completed "Rapid Response Harbour Defence" '08, a seminar exercise for the NATO Undersea Research Centre (NURC). Williams assisted in organizing and acting as an advisor for the exercise which was patterned after similar exercises previously conducted at NPS for the Office of Naval Research. There were some participants from several NATO countries, some local officials, and some US and international Mine Warfare experts. Dr. Alex Bordetsky and LCOL Carlos Vega from the NPS TNT group also participated.



Systems Engineering Analysis Program Student and Faculty Awards (Dec. 08)

The Wayne E. Meyer Award for Excellence in Systems Engineering for Outstanding Academic Achievement, has been awarded to the following students: Preston R. Graham, Bonita Rose Davia and John Paul Schofield. The faculty award for Teaching Excellence has been awarded to Mark Stevens.

The Wayne E. Meyer Award for Excellence in Systems Engineering for Significant Contributions to the SEA-14 "A Systems Response to Maritime IED's" has been awarded to Richard Jimenez and Julio Nilsson. The faculty award for Teaching Excellence has been awarded to Ronald Fricker.

The Northrup Grumman Award for Excellence in Systems Engineering Analysis for recognition of scholastic excellence and project leadership for "A Systems Response to Maritime IED's" has been awarded to LT Bobby Rowden. The faculty award for Teaching Excellence has been awarded to Professors Doyle Daughtry and Cliff Whitcomb.