

## Homeland Security Curriculum Catalyst for U.S. Professional Education

By Stanley B Supinski, Ph.D.

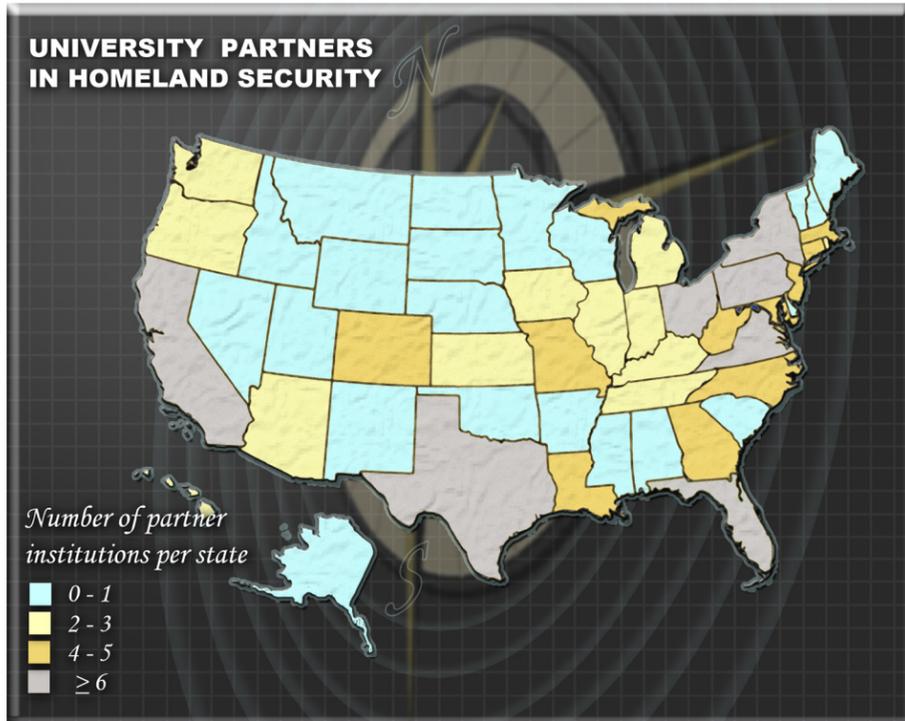
The Center for Homeland Defense and Security (CHDS) University and Agency Partnership Initiative (UAPI) is a unique program in the world of academe. The program is designed to provide the center's curriculum to institutions and agencies as a foundation to help them develop their own homeland security programs.

While facilitating educational collaboration among institutions and agencies across the nation to support development of an academic discipline -- in this case homeland security -- is not unique, providing all curriculum and associated materials for a complete master's program at no cost is.

Recognizing the growing national demand for homeland security and defense professionals, the need to educate a broad spectrum of undergraduate- and graduate-level students, and its own limited capacity, the center began the initiative in early 2006. The UAPI provides mutual support to partners launching homeland security programs, helps prevent redundancy in curriculum development and encourages partners to improve and add to the curricula that already exist.

All of the curricula and supporting course materials the center has created and vetted since it came into existence in 2002 are available to any academic institution developing a related program. The program also serves to leverage the U.S. Department of Homeland Security's (DHS) investment in the center's graduate education programs. As new courses and resources are developed by CHDS and other UAPI partners, they are also added to the pool of materials to be shared.

"The number of institutions participating in UAPI has grown rapidly along with



the nationwide growth of programs in the homeland security discipline," says Dr. Ted Lewis, CHDS Executive Director. Homeland security education is widely recognized as one of the fastest growing areas in academia, a fact clearly reflected in the UAPI. In less than three years of program existence, it now includes 135 university and agency members. The partners come from 37 states and the District of Columbia, and include schools of every size, such as Texas A&M, Ohio State and the Massachusetts Maritime Academy.

UAPI partners participate in workshops and conferences, and can access material

and maintain continuous dialog through the program's website. To date, four workshops have been held at NPS, with 20 or so institutions represented at each. The workshops entail CHDS faculty members providing mini versions of their courses, overviews of CHDS programs such as the Homeland Security Digital Library, and provide an opportunity for the partners to profile their programs. Additionally, a "Homeland Defense and Security Education Summit" was held at George Mason University in February 2007 with 200 participants and 130 institutions represented. This event has already become the premier conference in

the discipline and will be held annually in the National Capital Region.

The efficacy of the partnership program is evident from the testimony of its partners. Michael Fishbein, the Provost at Daniel Webster College in New Hampshire, recently had his homeland security program approved by the state board of trustees. After receiving approval, Fishbein said, "I must tell you that my experiences with you all in Monterey at the UAPI meeting, as well as the resources of CHDS, were instrumental elements in the arguments we presented both to the faculty and our trustees." The program will be the first of its kind in New Hampshire.

Dr. Eric Frost, the Co-Director of the Homeland Security Program at San Diego State, also attested to the value of the program: "Developing a new and compelling degree program is a huge challenge, but the challenges to the nation are even greater. [This is] really a wonderful role for UAPI to help all of us advance the field forward and assist in educating a new generation of professionals."

CHDS is currently preparing for the 2nd Annual Homeland Defense and Security Education Summit, to be held at the University of Maryland on March 18-19, 2008. Conference briefs and presentations from the 2007 summit along with details about all CHDS programs can be found at [www.chds.us](http://www.chds.us).

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### NPS Attains Highest Rating on Engineering Accreditation

Five experts from industry and academia visited the NPS campus from October 21-23, 2007, to conduct the final interviews with faculty and students, and to deliver the exit report on behalf of the Accreditation Board for Engineering and Technology (ABET). The team from ABET met with President Daniel Oliver, Provost Leonard Ferrari, Dean James Kays and the Chairs of the departments of Astronautical, Electrical and Mechanical Engineering, and reported that neither deficiencies nor weaknesses were noted during the accreditation process: in short, all three engineering departments received a very strong rating.

The Astronautical, Electrical and Mechanical Engineering depart-

ments submitted their completed self-study — which was written by each school and/or department with support from the Dudley Knox Library, Information Technology and Communications Services, the Office of Institutional Research and the Office of Academic Affairs — to ABET in June. Institutional strengths, such as the flagship status of NPS and the support of flag officers in the development and execution of curricula, were acknowledged both in the study, and by the team visiting from ABET.

Departmental strengths were also noted by the team from ABET: Astronautical Engineering was acknowledged for its faculty, students, interdisciplinary focus, high-quality theses, and the program changes that

were made as a result of a curricular review. Electrical Engineering was also acknowledged for its faculty and students — particularly their great interaction — and the division's strong, continuous improvement processes that have resulted in a more effective program. Mechanical Engineering received notice for its students, the department's good balance between the fundamental and applied research interests of its faculty, its choice of thesis topics and its strong departmental leadership.

On behalf of the entire campus, thank you to all those whose efforts helped the engineering departments to successfully complete the accreditation process, and to achieve the highest rating from ABET!

### IN BRIEF

- ♦ Adm. Jon Greenert has relieved Adm. Gary Roughead as Commander, U.S. Fleet Forces. Adm. Roughead is now the Chief of Naval Operations, a position formerly held by Admiral Michael Mullen, who is now Chairman of the Joint Chiefs of Staff.
- ♦ The Space Systems Academic Group will host a talk on Thursday, Nov. 15, by Captain Michael Lopez-Alegria, NPS alumnus and U.S. record holder for time in space via Expedition 14 aboard the International Space Station from September 2006 to April 2007. The presentation will be from 3 - 4:30 p.m. in the ME auditorium. On Nov. 16, Lopez-Alegria will speak at the Monterey Institute of International Studies at 2 p.m. Faculty, students and staff are invited to attend both events.
- ♦ The digital production studio is under construction in Herrmann Hall and is scheduled for completion in early December. Full production is set for January, including the premiere of the new NPS television program "NPS in Review." The program will air locally on Access Monterey Peninsula television as well as on the Pentagon Channel. Alan Richmond will be producer and host of the program.
- ♦ The Human Resources Office is now posting job announcements for GS positions on the NPS Intranet. To view the jobs available, see: <http://intranet.nps.edu/HRO/GSPpositions111.htm>.
- ♦ GSBPP's Acquisition and Logistics faculty are providing a one-year graduate education and/or research solution to the Coast Guard by offering seven graduate education courses for up to 30 of the USCG's managers. The first course for the USCG managers started this quarter. The Border Protection Office of the Department of Homeland Security is currently discussing a similar program to begin in 2009.
- ♦ The Naval Audit Service (NAVAUDSVC) was at NPS for approximately two weeks in mid-October. The scope of the audit included follow-up on the prior NAVAUDSVC audit conducted in 2002, "Managing Sponsored Projects at the Naval Postgraduate School" and a review of internal controls for sponsored projects.



Members of the Accreditation Board for Engineering and Technology (front row) together with (top row from left) GSEAS Dean James Kays, Jeffrey Knorr, Chair of Electrical and Computer Engineering, Tony Healey, Chair of Mechanical and Astronautical Engineering, Cmdr. Chris Adams, Associate Dean of GSEAS, and Provost Leonard Ferrari stand outside of the school for a photo following the successful conclusion of the ABET visit.

## Message From Associate Provost for Academic Affairs



Dr. Julie Filizetti

As most of you know, the Naval Postgraduate School is preparing for accreditation, which is a distinctively American innovation that has been established to ensure the continuation of quality in higher education. NPS is accredited by the Senior College Commission

The visit to accredit the capacity and preparatory aspect of NPS is scheduled for March 2009, and the visit from WASC that will measure educational effectiveness will occur in October 2010.

President Daniel Oliver, Provost Leonard Ferrari, the NPS Board of

of the Western Association of Schools and Colleges (WASC), one of six national accrediting bodies that is recognized by the Department of Higher Education as having the authority to accredit colleges and universities. WASC accreditation certifies that the institution has the capacity to deliver the education equal to the institution's status, and validates that proper processes, quality assurances, policies and systems are in place to measure student learning and educational effectiveness.

Since our last accreditation in 1999, WASC has moved to a 10-year accreditation cycle that includes two visits.

Advisors, and campus leaders support the accreditation initiative. The WASC Steering Committee has been active since August 2006, and has worked with campus constituents to complete the self-study — which was submitted to WASC in October 2006 — and is currently working with subcommittees that are supporting the preparatory efforts, including the assessment, evaluation and/or implementation of current practices and processes that not only are relevant to the accreditation process, but also to the improvement of campus-wide operations.

For more detailed information about the accreditation process, and periodic updates on the considerable preparations that are being undertaken for the visits, please see the WASC Accreditation website at: <http://intranet.nps.edu/WASC/index.html>. Any ideas, suggestions, comments or feedback that you may have on this important campus-wide project are welcomed by the WASC Steering Committee, whose contact information can be found on the WASC Accreditation website.

## Announcements & Faculty Notes

Professor Wei Kang of Applied Mathematics gave a plenary speech about recent progress on the development of the mathematical foundation for pseudospectral computational optimal control methods — which were applied by NASA and Draper Laboratory to two recent maneuvers of the International Space Station (ISS) — at the Society for Industrial and Applied Mathematics (SIAM) Conference. Professor Kang and Dr. Naz Bedrossian of Draper Laboratory published an article about the ISS application in the September issue of SIAM News.

In late October, Physics Professor Richard Olsen and staff from the Remote Sensing Center participated jointly with the Air Force Institute of Technology in GEOINT 2007 — one of the biggest intelligence community annual conferences — held in San Antonio, Texas. Olsen is the author of Remote Sensing from Air and Space, which was published earlier this year by SPIE, an international society dedicated to advancing an interdisciplinary approach to the science and application of light.

Information Science Lecturer Brian Steckler, the Office of the Assistant Secretary of Defense for Networks and Information Integration and the Office of Continuous Learning have teamed up to develop a web site to document lessons learned in disaster relief communications. The web site, called Hastily Formed Networks for Humanitarian Assistance/Disaster Relief, is online at <http://www.nps.navy.mil/dl/dlrc/hfn/>.

## NPS Foundation Steps Up to the Challenge

A Foundation plays a significant role in raising money to support the school in all university environments. This is true not only for private institutions, like Harvard, Stanford or USC, but also for publicly funded universities, like the University of Texas (4th largest endowed university in the U.S.) or the University of California at Berkeley. Without their foundations, all these schools would be at a significant disadvantage in recruiting and retaining faculty; supporting important research; bringing other academics and distinguished individuals to the school; and building new facilities.

Although the NPS Foundation (NPSFI) has been in existence for 35 years, it has historically played a small support role in comparison to those of other institutions. After several years of planning, we are about to evolve into a more substantial Foundation, one that can assist NPS in important

ways. This process will not happen overnight, but as we highlight NPS and its importance nationwide, we are getting a very positive response from business and civic leadership.

Fundraising is largely about doing three things really well: articulating a cause that people care about; establishing a relationship with people who 'believe;' and showing results that matter. At NPSFI, we are talking to people about the leadership role NPS has in national security affairs, and the effect it has on the current Global War on Terrorism. Many people are surprised to learn of the importance and relevance of NPS. We are planning in the next three years to build a modest endowment that can help NPS — not as a substitute to public funding — but an incremental source of support that can make a difference in the areas of faculty recruitment and retention; a CNO Distinguished Fellows Program; national

security research; and a unrestricted endowment that can be used by the Administration.

We are grateful for all those faculty and staff at NPS who are members of the NPSFI. Your membership greatly helps our credibility with donors, but more importantly, indicates support for the initiatives we undertake to make NPS great. If you are not already a member, please join us in our efforts. Please contact, Executive Director, retired Rear Adm. Merrill Ruck, at (831) 656-2427.

This article was submitted by the NPS Foundation (NPSFI). NPSFI is a non-federal entity, and the views expressed in this article are not necessarily those of the Department of Defense or its agencies. Per the Joint Ethics Regulation, the Naval Postgraduate School does not expressly or impliedly endorse the NPSFI nor does this article represent a solicitation by NPS.

### New Hires: Staff

- **Tariq S. Alagba**  
Contracts and Grants  
Support Director  
Research Office
- **Sara Fleming**  
Office Automation Assistant  
Computer Science
- **Stephanie Hare**  
Purchasing Agent  
GSOIS
- **Eric Hess**  
Office Aid  
National Security Affairs
- **Erika L. Mitchell**  
Office Aid  
DRMI
- **Michelle Wiley**  
Student Trainee  
Research Financial Analyst  
Research Office

### New Hires: Tenure-Track Faculty

Jeffrey Knopf has joined the School of International Graduate Studies as an associate professor in the National Security Affairs Department. Knopf earned his Ph.D. from Stanford University and his research interests include arms control, non-proliferation, public opinion and foreign policy. He is the author of Domestic Society and International Cooperation: The Impact of Protest on U.S. Arms Control Policy published by Cambridge University.

## CALENDAR

**Calendar Items** - Events and Visitors Schedule, <http://www.nps.edu/Calendar/index.html>

**November 1** - NFFE Local 1690 Union Employee Mixer at 5:00 PM in Spanagel 101, POC Pete Randazzo at [union@nps.edu](mailto:union@nps.edu) Ext. 2400, Room Sp-101a

**November 4-7** - Cleaning House: Confronting Illicit Power Structures in the Post-Conflict World Workshop hosted by the Center for Stabilization and Reconstruction, POC Matt Vaccaro (831) 402-0987

**November 5** - ADM James G. Stavridis, USN USSOUTHCOM to deliver SGL to the students, POC Protocol Ext. 2466

**November 5-16** - Principles of Procurement and Contracting Course hosted by the International Defense Acquisition Resources Management Program, POC Dr. Elisabeth Wright Ext. 2469

**November 12** - Veteran's Day (Holiday)

**November 12-16** - Intelligence and Democracy Course hosted by the Center for Civil-Military Relations, POC Richard Hoffman Ext. 3171

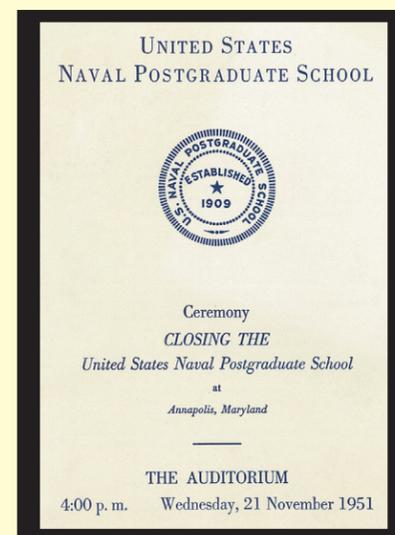
**November 15** - Record-holding astronaut and NPS alumnus Capt. Michael Lopez-Alegria will speak to the Space Systems Academic Groups in the ME auditorium at 3 p.m. Faculty, staff and students are invited to attend.

**November 19-30** - International Defense Acquisition Negotiations Course hosted by the International Defense Acquisition Resources Management Program, POC Dr. Elisabeth Wright Ext. 2469

**November 22** - Thanksgiving (Holiday)

**November 27-29** - Strategic Communication Workshop, Sponsored by CNO; conducted in partnership with USC's Annenberg School for Communication. To aid commands in the development and implementation of Strategic Communication planning, POC Gail Fann Thomas Ext. 2756 or Stoney Bangert at Ext. 3850

## HISTORICAL HIGHLIGHTS



1951 Program cover

The Naval Postgraduate School officially closed its doors at the Annapolis campus in November 1951 and began the final stage of its relocation to Monterey. Technicians disassembled radars and large wind tunnels and loaded these into boxcars with heavy machinery, lab test equipment, office furniture and thousands of books. NPS shipped approximately three million pounds of gear by rail, truck and air and nearly 500 students, faculty and military and civilian staff made the cross-country move with their household goods. The formal dedication ceremony for NPS Monterey was subsequently held in February 1952.