



NAVAL POSTGRADUATE SCHOOL

UPDATE

NPS

MARCH 2012



(U.S. Navy photo by Javier Chagoya)

## Provost to Pursue New Opportunities

By Amanda D. Stein

After more than five years of service as Executive Vice President and Provost at NPS, Dr. Leonard Ferrari recently announced he will be leaving his current position to pursue a timely opportunity with the Office of Naval Research — Global (ONR-G).

“When I came to NPS in 2003, I believed in the mission and in the model of this university, and I still believe in it. The idea of a research university that is driven by demand and maintains academic quality all under the mission of supporting national and global security and the effectiveness of the U.S. military forces is both invaluable and challenging,” Ferrari said. “I am also proud to say that I believe we have more than met this challenge over the last decade.”

Ferrari noted that in his remaining months, he will continue to move forward on some of his strategic goals and areas of opportunity already underway. He will remain active in strategic planning, restructuring of existing academic programs, the development of the school’s new cyber degree programs, and the acquisition of new research opportunities and funding. He also noted his commitment to ensuring a smooth transitional period, allowing NPS to continue to operate effectively and efficiently “as the nation’s premier national security research university.”

*“It has been my great pleasure and privilege to serve the Naval Postgraduate School. I am excited for the future of this fine institution, and look forward to the opportunities for continued service as an NPS tenured faculty member.” –Dr. Leonard Ferrari*

Ferrari has a long and distinguished academic career, publishing over 100 papers in his field of electrical engineering prior to joining the NPS community as Dean of Research in 2003. He has also had a passion for research and education serving the global security arena, and his new position at ONR-G will provide him the opportunity to continue to support the Navy and the greater defense community through research and global partnerships.

“It has been my great pleasure and privilege to serve the Naval Postgraduate School,” Ferrari said. “We have achieved so much over the years, from international partnerships to strategic planning and reaccreditation to launching some very unique academic endeavors. I am excited for the future of this fine institution, and look forward to the opportunities for continued service as an NPS tenured faculty member.”

Ferrari will remain in his current position until the end of the fiscal year, and will continue to be a part of the NPS community as a tenured professor in the Electrical and Computer Engineering department during his assignment at ONR-G.

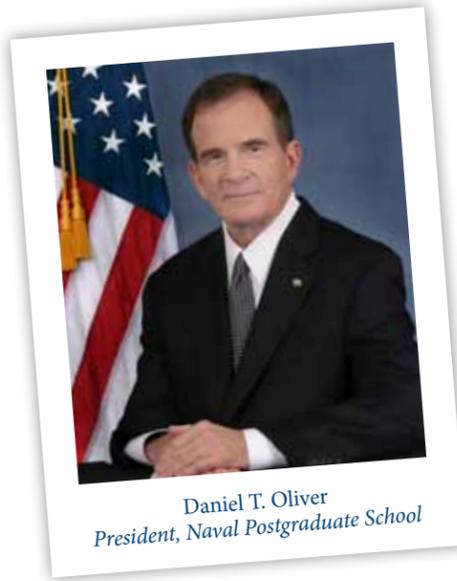
**p3** Vice Chief of Naval Operations Outlines the Future Navy During SGL

**p4** New Remote Sensing Degree Addresses DOD ISR Needs

**p6** A-10 Transformation Will Lead to Big Research Opportunities for NPS

## A Message From ...

Daniel T. Oliver, President, Naval Postgraduate School



Daniel T. Oliver  
President, Naval Postgraduate School

As you are all aware, Executive Vice President and Provost Dr. Leonard Ferrari has announced that he will complete his term as our university's senior academic leader a bit earlier than anticipated due to a timely opportunity with the Office of Naval Research — Global.

Provost Ferrari has served the Naval Postgraduate School tirelessly for more than eight years as Vice President and Dean of Research, then as Provost. He provided bold leadership and new ideas that have served us well. From a near spotless effort in reaccreditation, to expanding the number of doctoral students on campus, to spearheading new faculty pay models, to helping to establish major research and educational initiatives, his accomplishments will have long-standing benefits for the university's academic enterprise.

When Dr. Ferrari noted to me that he had come to this difficult decision to take on a new position, we both agreed that the transition of leadership would be as smooth as possible. Provost Ferrari has agreed to maintain his current position through the close of this current fiscal year while we establish a national search for a new Provost.

Dr. John Arquilla, Professor and Chair of the Defense Analysis Department, agreed to lead the search effort and will finalize the composition of the committee next week. Given that we have the stability of Provost Ferrari's continued leadership for the next several months, I have the utmost confidence that Dr. Arquilla and his team will successfully complete their mission by the end of the fiscal year.

The Naval Postgraduate School is in a time of transition in a number of areas and we are certainly not alone. Every entity within the Department of Defense is challenged with changes caused by ever-tightening budgets and fiscal responsibilities. Universities are facing the same financial challenges. The effective institutions of the future will manage the present budgetary decreases with creativity and invention as well as a great deal of management discipline.

Planning is an indispensable effort to both invention and discipline and our university is nearing the completion of updating its next five-year strategic plan — an effort that has been comprehensive and open to campus comment and improvement. It was informed by the excellent work of the Committee on the Future, and the plan will be supported by implementation of many of the recommendations that were endorsed by the Chief of Naval Operations last year. Once campus review of the draft strategic plan is completed, the document will be presented to the Advanced Education Review Board and NPS Board of Advisors in April. Shortly after, it will be presented to the Chief of Naval Operations and the Secretary of the Navy and finalized for formal presentation to the Board of Advisors at their October meeting this year.

*As we prepare to meet these and all coming challenges, we are fortunate to have some of the most talented minds in academia guiding our efforts — either in the search for those candidates who will fill critical positions within our administration, or in defining the strategic goals and vision of the entire institution.*

In closing, I would like to express my sincere gratitude to Executive Vice President and Provost Ferrari for his leadership, dedication and energetic service to the Naval Postgraduate School, and look forward to the evolving relationship between NPS and ONR — Global. As Dr. Ferrari has noted, he envisions the greatest security challenges of today and tomorrow to be fundamentally global, with solutions requiring globally informed efforts. In his new position, he will be afforded the opportunity to apply his energies to those solutions.

As President of the Naval Postgraduate School, and as a citizen of the world, I am pleased to know a person of Dr. Ferrari's caliber will be a major driver of this endeavor.

"Update NPS" is a monthly publication for students, faculty and staff of the Naval Postgraduate School produced by the Office of Institutional Advancement. For additional copies, comments, or to suggest story ideas, contact the editorial staff at [update@nps.edu](mailto:update@nps.edu).

## Vice Chief of Naval Operations Outlines the Future Navy During SGL

By Amanda D. Stein

Vice Chief of Naval Operations Adm. Mark Ferguson visited his alma mater to offer a Secretary of the Navy Guest Lecture (SGL), Feb. 16 to students, faculty and staff at the Naval Postgraduate School. Ferguson addressed defense budget projections for the future and the Defense Department's renewed focus on the Pacific Rim region.

Having himself received a Master of Science Degree in Computer Science from NPS in 1984, Ferguson understands firsthand the value of education for our nation's officers, and encouraged students to take their time here as an opportunity to grow into a better leader for the Navy's future.

"We train people to replicate, we educate to reason," said Ferguson. "You are being educated to reason and to shape our future as we go forward. Your critical thinking and what you learn here will carry forward to the fleet and into your commands, into our

Ferguson spoke about the Navy's acquisition plans for the future, as well as the new defense strategy and planned rebalance of forces to the Western Pacific. He explained that the shift is supported by the Navy's commitment to maintaining a global presence, and a result of the drawdown in Iraq and Afghanistan.

Following the SGL, Ferguson paid a surprise visit to the Trident Room in Herrmann Hall to present NPS Defense Analysis student Lt. Cmdr. Jonathan Fussell his fourth Bronze Star with Valor. Fussell was presented the award for his work as Troop Commander for Naval Special Warfare Development Group, where he led a joint and interagency task force on direct action missions in Afghanistan.

Ferguson also met with NPS leadership to discuss the school's impact on the Navy, and the programs that can ultimately help prepare students to lead in any number of critical areas of expertise. He

noted in his lecture to students the importance of receiving an education in a collaborative environment, where problems solved today will have a lasting impact for the defense community in the years to come.

"The things you are doing now, in research and the laboratory, my prediction is that 15 years from now you will see them come to fruition in the naval profession, and be the centerpiece for what we do," Ferguson said. "My charge to you is to be ready to lead. To go out and impact the finest Navy we've ever had in our history.

"So as you go forward in your career, I encourage you to take opportunities for education outside of your comfort zone," he concluded. "It's a fundamental part of education, seeing how other people think. Checking your own premises and understanding that will make you a better leader. It will make you able to rise to those challenges in the future."



Vice Chief of Naval Operations (VCNO) Adm. Mark Ferguson and NPS President Dan Oliver depart King Auditorium following the VCNO's Secretary of the Navy Guest Lecture, Feb. 16. Ferguson is a 1984 Computer Science graduate of NPS. (U.S. Navy photo by Javier Chagoya)

laboratories, into the field. It's going to be what shapes our future.

"Each of you are empowered," he continued, "and each of you should take it as a charge that your mission is to make that contribution, make that innovation that makes us better as a service. Challenge some of the things that we are doing. Take the things you have learned and go out there and use it for good. For the good of the Navy, the Marine Corps, and your service."

from the  
**MEZZ**

The Strategic Planning Task Force, established by President Dan Oliver and Executive Vice President and Provost Dr. Leonard Ferrari, recently completed its working draft of the next five-year Strategic Plan for NPS. The working draft was submitted to the campus for initial review in early February, and will be presented to the AERB (Advanced Education Review Board) and the university's Board of Advisors in April.

Following the announcement of the results of an annual campus-wide customer satisfaction survey covering select support services at NPS, Ferrari announced the establishment of two Customer Satisfaction Survey Action Teams consisting of a diverse collection of members from across campus.

Vice President for Information Resources and Chief Information Officer Dr. Christine Haska was joined by University of California, Santa Cruz Chief Information Officer Mary Doyle to present during EDUCAUSE, a non-profit association with the goals of advancing higher education through the use of information technology.

President Oliver and/or Provost Ferrari held office calls with several campus visitors during the month of February. Most notably, Vice Chief of Naval Operations and NPS alumnus Adm. Mark Ferguson visited campus on Feb. 16, also presenting a Secretary of the Navy Guest Lecture. In addition, these senior administration met with Dr. Yaron Brook of the Ayn Rand Center for Individual Rights, Dr. Robert McGrath of the Georgia Tech Research Institute, Senator Saxby Chambliss (R-GA), Vice Adm. Joseph Kernan of the U.S. Southern Command, and several others.

*From the Mezz provides a brief report on the activities of NPS' senior administration. For more details on any of these reports, please contact the Office of Institutional Advancement at [pao@nps.edu](mailto:pao@nps.edu).*



Students in NPS' new Remote Sensing Intelligence degree program gather on the steps of Spanagel Hall for their class photo. (U.S. Navy photo by Javier Chagoya)

## New Remote Sensing Degree Addresses DOD ISR Needs

By Amanda D. Stein

The Naval Postgraduate School celebrated a new addition to the academic lineup as 20 students in the Remote Sensing Intelligence (RSI) master's degree program recently completed their first quarter of classes. With three more quarters to go, the fast-paced program provides students with a comprehensive education in remote sensing, and prepares them for jobs in critical national security fields with one of several potential sponsor organizations after they graduate in the winter.

"Remote sensing means taking images from a distance," explained Physics Professor Richard Olsen, one of the key faculty facilitating the RSI program. "Satellite imaging of one kind or another — optical, infrared, radar — those are sort of the cornerstone technologies that comprise remote sensing. It has to do with obtaining information about something at a distance without interacting with it directly.

"It optimizes your ability to conduct warfare," he continued. "Because the more information you have about where you are going and what's there, the more effective you can be. Mission planning, absolutely, requires the type of work we are doing."

The students selected for the program come from a variety of academic backgrounds of study, all with the common goal of directly using their remote sensing education to benefit the warfighter. All civilians except for two, the students were accepted into the Scholarship for Service program, with this cohort sponsored by the ISR (Intelligence, Surveillance and Reconnaissance) Task Force to focus on counter-

IED (improvised explosive device) efforts in theater.

RSI student Christopher Burt knew of NPS' academic reputation before he joined the cohort, and he sees the program as a unique opportunity to merge the perspectives of military and civilians.

"Having people trained in the civilian world as scientists — and with a lot of us having extensive commercial experience too — I think you get a new and fresh perspective on the scientific world," said Burt. "Adding that to the expertise of the military men and women in the DOD can only help."

Olsen noted that the students' education will directly benefit the Department of Defense. Remote sensing is an invaluable tool for gathering intelligence, and one that the defense community has seen the value of.

Olsen cited recently released comments by Secretary of Defense Leon Panetta that coming defense budget cuts would not take funding from three critical areas: special operations, cyber warfare, and intelligence, surveillance and reconnaissance.

The RSI program has incorporated a significant number of new courses designed specifically to meet the needs of the intelligence community to which the students will be transitioning after graduation. Students will, in the end of their studies, have the skills to solve critical problems for the warfighter.

The installation of the table required a combined effort of the Research Office group, NPS Contracting Office, and Naval Facilities (NAVFAC) to contract for the granite table, full rigging services, and a remodel effort in Halligan Hall with an entire wall being removed to make way for the table.

"The researchers in this lab strived to be informed and carefully followed Department of Defense procurement regulations and guidelines," added Lee, noting that the project is a great example of how NPS contracting, principal investigators, research support, and NAVFAC work together to support the mission of NPS.

## Spacecraft Robotics Lab Completes 'Heavy' Acquisition

For two years, NPS Contract Specialist Jennifer Lee has been coordinating three separate contracts in order to fulfill a very unique requirement.

Professor Marcello Romano of the NPS Spacecraft Robotics Lab and his team of associates and researchers conduct high-precision, spacecraft robotic simulations, and needed a large, extremely accurate platform with near zero tolerances to conduct them — an almost 30,000-lb slab of granite. Robots float on a cushion of compressed air passing through a series of supersonic air thrusters, essentially simulating how a real spacecraft reacts in the vacuum of space. Maneuvers can be accurately calculated and predicted in various movements.

## NSA Supply Management Analyst Turns Experience Into Cost Savings

By MC1 Leonardo Carrillo

Fleet Logistics Center San Diego, Monterey Site Manager, Tom Tuttle, saves the Naval Postgraduate School thousands of dollars.

When Tuttle started working on campus in May 2010, he brought with him a lifetime of experience in supply management and logistics. A retired lieutenant colonel in the Air Force, and now with a civilian career, Tuttle has decades of knowledge working with both the private sector and government supply systems.

As part of its mission to conduct vanguard research essential to today's warfighter, NPS ships thousands of pounds of equipment to various locations around the world and nearly all of these shipments are sent through civilian transportation companies.

The unique nature of the research here presents the challenge of transporting heavy loads filled with expensive and delicate components that need to reach locations not

often along the standard shipping routes.

Tuttle's answer to this challenge was to promote the use of the Government Freight Management (GFM) transportation and shipping programs. He noticed that research programs at NPS often had unique requirements that frequently made it difficult to find suitable and cost effective shipping methods. GFM allows Tuttle to compare multiple transportation service providers that meet those requirements. And using the competitive bidding system reflected in GFM, and applying a little ingenuity, he has been able to both secure the right equipment and save thousands of dollars for these programs.

"It's about saving money," he said. "Ultimately, this is all tax money. Whether it's an operational research grant or a defense contract, it all stems from the federal government. I see my job as contracting for the right transportation equipment, at the right time, and at the lowest possible cost."

## NPS Assists Nearby Defense Language Institute in Migration to .EDU Network

By MC1 Rob Rubio

Officials from the Defense Language Institute Foreign Language Center (DLIFLC) and Naval Postgraduate School celebrated the completion of the NPS/DLIFLC Academic Network Initiative during a late January ceremony, officially recognizing the NPS-assisted migration of the language school to an academic-based .EDU domain.

NPS President Dan Oliver commented that the regional partnership was an excellent example of how local DOD institutions can work together to effectively maximize critical resources. "The concept of Team Monterey has been in existence for a long time, but this partnership introduces a much deeper level of cooperation and collaboration than we have previously seen," he remarked.

University Vice President for Information Resources and Chief Information Officer Dr.

Christine Haska echoed Oliver's sentiments. "NPS has a longstanding partnership with the Defense Language Institute Foreign Language Center in a number of areas, and this project provided an opportunity to expand and strengthen that relationship," she said. "Working together will permit us to leverage resources in ways that will improve capabilities for both institutions, consistent with the Team Monterey approach envisioned by Congressman Sam Farr."

DLIFLC Commandant, Col. Danial Pick, provided testament that the traditional .mil military network did not support the true mission of the institution, noting that DLI must enable and empower students and educators both in Monterey and around the world to learn and sustain languages, administer tests, do research and the full range of tasks associated with the language school.



NPS President Dan Oliver, left, and DLIFLC Commandant Col. Danial Pick. (U.S. Navy photo by Javier Chagoya)

## FACULTY news & notes

GSBPP Associate Professor **Geraldo Ferrer** and Assistant Professor **Aruna Apte** were awarded second place in the Defense Acquisition University Alumni Association 2012 Research Competition for their work titled, "Managing Lifecycle Information of Aircraft Components."

In mid-January, **Apte** was also invited to join the Humanitarian Assistance Research Thoughtleaders, a relatively small group of researchers in the field, in defining the research agenda, engaging in exchanges and complementary research projects, and developing easily accessible pedagogical materials. The inaugural workshop took place at KLU-INSEAD Research Center on Humanitarian Logistics, Kühne Logistics University in Hamburg, Germany.

From Feb. 24–25, Research Professor **S. S. Sritharan**, Director of the Center for Decision, Risk, Controls and Signals Intelligence and Mechanical and Aerospace Engineering Professors **Oleg Yakimenko** and **Mike Ross** participated in the International Conference on Unmanned Autonomous Systems in Bangalore, India. The trip was part of NPS' developing partnership with India's defense research institutions.

From Feb. 28–March 1, **Sritharan** led the NPS Counter Directed Energy Research Team to Washington D.C. for a series of presentations at the Office of Naval Research Counter Directed Energy Weapons Program Review.

Throughout the month of February, GSBPP Associate Professor of Economics **David Henderson** presented a number of guest lectures, including "Five Myths About Free Markets," at the Hoover Institution, and "Do We Need to Go to War for Oil?" at the University of Rochester.

Send your faculty news and notes to [update@nps.edu](mailto:update@nps.edu).

# A-10 Transformation Will Lead to Big Research Opportunities for NPS

By Amanda D. Stein

Thanks to a dedicated group of scientists and researchers, including several at NPS' Center for Interdisciplinary Remotely-Piloted Aircraft Studies (CIRPAS) and the National Science Foundation, new technologies will be combined with an old, tried-and-true military aircraft to create the perfect weather-chasing research vessel.



This A-10 Thunderbolt, affectionately nicknamed the "Warthog," is currently undergoing extensive renovations in preparation for its new life as an atmospheric science research craft. NPS' Center for Interdisciplinary Remotely-Piloted Aircraft Studies (CIRPAS) will acquire the aircraft in 2013. (Photo provided by CIRPAS)

CIRPAS will soon acquire a decommissioned A-10A Thunderbolt, a beastly-looking military aircraft aptly nicknamed the "Warthog," designed to operate under heavy enemy resistance to deliver missiles and artillery in combat. The heavily-armored plane adeptly maneuvers at low speeds and altitude, and was a critical asset during Operation Desert Storm. Newer versions of the plane have also been used as recently as Operation Iraqi Freedom.

The durability of the craft makes it ideal for flying through dangerous thunderstorms that had previously only been accessible for research using radar equipment on the ground. CIRPAS Director Bob Bluth explained that NPS' past successes with using a Twin Otter for data collection, paired with the school's military ties, made the university the top contender for obtaining the plane with funding from the National Science Foundation.

The craft allows researchers to get closer than ever to the heart of the storm, providing data from an entirely new perspective. The A-10 will be equipped with numerous sensors, from nose to tail, all running autonomously while the pilot navigates through storms. It will also have de-icing systems to prevent ice build-up on the airframe, and a copper-wire mesh strung out over vulnerable parts of the airplane to protect it and the equipment from lightning strikes.

The A-10 being loaned to NPS will undergo extensive renovations and regeneration to make it fit for its new duties. The craft will first be completely renovated to like-new condition in one of two A-10 maintenance centers in the country, where it will receive new engines and wings, corrosion mediation, even a new paint job. From there, the A-10 will make its way to Oklahoma for testing and 'weather-proofing.'

"It's a niche field. There are not a lot of people who get into atmospheric science. But for the people that do, everybody will know that this is the place to come," explained Bluth. "Since we are a University-National Oceanographic Laboratory System facility, we work with a lot of other universities. That gives NPS and the faculty and students at both institutions an opportunity to work together. And there are dozens of universities that we have worked with, providing a national, even international, level of exposure."

# Any Day at NPS ...



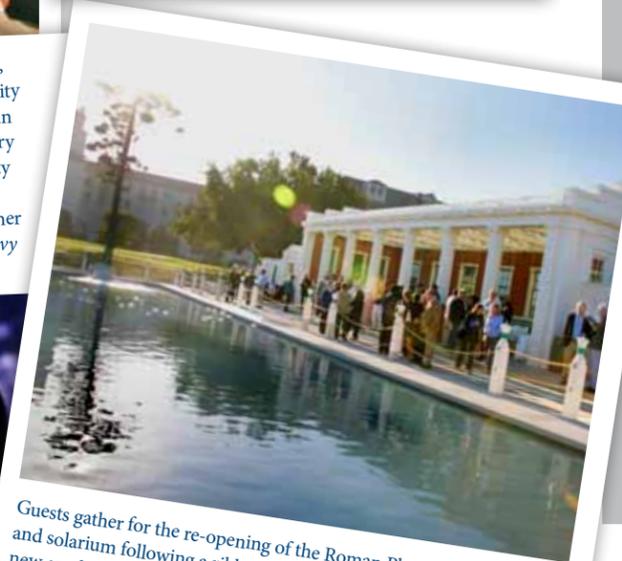
Commander for the Navy's Fleet Cyber Command and U.S. 10th Fleet, Vice Adm. Michael Rogers, right, discusses cyber defense with members of NPS' Cyber Academic Group during a school visit, Jan. 30. Rogers was on campus to participate in a series of lectures and presentations on Information Dominance. (U.S. Navy photo by MC1 Rob Rubio)

Richard Serino, Deputy Administrator of the Federal Emergency Management Agency, gives opening remarks at the Naval Postgraduate School Center for Homeland Defense and Security Alumni Professional Exchange Education Conference, Feb. 22. (U.S. Navy photo by MC1 Rob Rubio)



National Security Affairs Professor Michael Glosny gives a brief history of Sino-African relations to a group of Africa Foreign Area Officers (FAO) from regional commands during the Joint FAO Skill Sustainment Pilot Program (JFSSPP), Feb. 8. Sponsored by the Defense Language Office, JFSSPP is the first DOD program to meet the skill sustainment and professional development goals for all service FAOs. (U.S. Navy photo by MC1 Leonardo Carrillo)

In honor of African American History Month, we spotlighted members of the local community following this year's theme of "Black Women in American Culture and History." One such story was that of Aerographer's Mate 2nd Class Petty Officer Ashante Hammons, who shared her story of growing up in a military family, and her decision to find her own path in life. (U.S. Navy photo by Javier Chagoya)



Guests gather for the re-opening of the Roman Plunge reflecting pool and solarium following a ribbon-cutting ceremony, Feb. 8, signaling a new era for this historic location. The ceremony included remarks by NPS President Dan Oliver, Anderson Burton Construction President Joni Anderson and Commanding Officer Naval Support Activity Monterey Capt. Gerral David. (U.S. Navy photo by Javier Chagoya)

# STUDENT voice

By Lt. Matthew Yokeley  
Chairman, President's Student Council

With summer just around the corner, many organizations throughout the NPS campus and the Monterey area military community are preparing for an exciting and fun filled time. These are superb opportunities for our students to become involved outside of the classroom; the chance to be a part of these groups and make an impact on the military community.

I want to bring your attention to one such activity that is coming up on June 2. I know that this seems like a long way off, but if you think about it this quarter will be over in just three short weeks and then we'll be into April and the start of another quarter. The event I am talking about is the 70th Anniversary of the Battle of Midway Dining-Out. This event is already shaping up to be one of the best NPS has ever had! Last year's dining-out had more than 250 attendees and this year's is already shaping up to break 300. The guest speaker for this year's event is the former Chief of Naval Operations, Adm. Gary Roughead.

If you've never had the opportunity to experience a dining-out (Navy style) then this is your chance. It is guaranteed to be a fun filled night with an actual grog bowl! The dining-out is being coordinated through the President's Student Council with the support of the Naval Order of the United States and the Navy League. Mark your calendars for June 2 and we'll see you there!

Lt. Yokeley is the Chairman of the President's Student Council. Visit the PSC on the intranet at <http://intranet/psc/index.html>.

# Focus On ... Helping ESL Students Excel

A Monthly Look at Names and Faces on Campus

Graduate education at NPS can prove to be a challenging and rewarding endeavor, and for non-native speakers of English, the challenges associated with study here can be especially daunting. To aid in the academic achievements of international students, the university's International Graduate Programs Office (IGPO) offers quarterly English as a Second Language (ESL) courses.

For more than 15 years, Richard Cook has been teaching ESL

courses, spending two of those years serving the international community at NPS.

"I try to focus on my students understanding vernacular English as well as the language used in the academic setting," said Cook. "When international students arrive at NPS, I personally interview them to determine their listening and speaking ability to see where instruction is needed."

Cook teaches both Communi-

cations Skills for International Officers and Academic Writing for International Officers, and says an overall introduction to the American culture is just as integral to success.

"I teach students not only how to listen and speak in English, but also how to understand how Americans interact as a culture.



Richard Cook, ESL Instructor

Overall, the International Graduate Programs Office has a very well-rounded program aimed introducing students to the culture of America."

Have a story to share? Institutional Advancement is constantly seeking interesting news and stories for Update NPS. Send your tips to [update@nps.edu](mailto:update@nps.edu).

# On Campus this Month

## March 3

Sip the Peninsula  
Tasting and Silent Auction  
Barbara McNitt Ballroom  
POC MWR, Ext. 2148

## March 16

St. Patrick's Day 5K  
POC Monterey Bay Athletic Club, Ext. 3118

## March 8

Dr. Michael Griffin,  
Professor of Mechanical and Aerospace  
Engineering and Director of the Center for  
System Studies at the University of Alabama  
Speaker, SGL Series  
POC Lt. Jenny Phillips, Ext. 2466



## March 28

CPUSER Lecture by Dr. M. Ani Hsieh  
Collaborative Robot Tracking of Geophysical Flows:  
How Local Measurements Discover Global Structures  
POC Dr. Timothy Chung, Ext. 7858

## March 30

Winter Graduation Ceremony  
Commencement Speaker, Vice Adm. John Richardson,  
Commander, Submarine Forces  
POC Lt. Jenny Phillips, Ext. 2466

## March 15

"Saudi Arabia: Past and Present"  
Presentation and Screening of "Arabia" by Hugh L. Renfro  
POC Lt. Cmdr. Jason Weece, jweece@nps.edu

## NPS Video Portal

[www.nps.edu/video/portal](http://www.nps.edu/video/portal)

Get connected. Stay Connected.



## Historical Highlights

Rear Adm. Frederick Moosbrugger, an NPS alumnus who served as superintendent in the early 1950s, dedicated the Trident Room bar in May 1953.

Moosbrugger earned the Navy Cross for his decisive WWII victory in the Battle of Vella Gulf, Solomon Islands, and the Navy commissioned a Spruance-class destroyer, the *USS Moosbrugger* (DD-980), in his honor.



The Trident Room is part of the Spanish Revival Hotel Del Monte, built in the mid-1920's during Prohibition. It was euphemistically called the children's play room when the resort was dedicated in 1926. With passage of the 21st Amendment to the U.S. Constitution in 1933 and the repeal of Prohibition, the children's play room was renamed the Del Monte Tap Room.

Today's Trident Room decor displays historic hotel and Navy memorabilia collected by head bartender Pete Charette.

*Historical Highlights are provided by the Dudley Knox Library.*

*(U.S. Navy photo by Javier Chagoya)*