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.
A Message From …
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 plans were supported and 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.

Vice Chief of Naval Operations Outlines the Future Navy During SGL
By Amanda D. Stein

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 surprised us all by visiting the Trident Room in Herrmann Hall to preside at the Naval Postgraduate School’s Annual Academy Awards presentation. 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 the 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.”
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 what's going on 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 (improved 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 fund training 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.

NSA Supply Management Analyst Turns Experience Into Cost Savings

By MCT 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 2011, he brought with him a lifetime of experience in supply management and logistics. A retired lieutenant colonel in the Air Force, not yet 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 manages 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."

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 that on a cushion of compressed air passing through a series of supersonic air thrusters, essentially simulating a real spacecraft reacts in the vacuum of space. Maneuvers can be accurately calculated and predicted in various movements.

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 move the table for the way.

"The researchers in this lab strive to be informed and carefully followed Department of Defense procurement regulations and guidance," 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.
ard Cook has been teaching ESL for more than 15 years, Rich-

The durability of the craft makes it ideal for flying through danger-

Cook. “When international stu-

CIRPAS will soon acquire a decommissioned A-10 Thunderbolt,

**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 Air-

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 uni-

NPS’ Center for Interdisciplinary Remotely-Piloted Aircraft Studies (CIRPAS) will acquire the aircraft in 2013. (Photo provided by CIRPAS)

**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

Richard Cook, ESL Instructor

Overall, the International Grad-

Commannder 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. 26. Rogers was on campus to participate in a series of lectures and presentations on Information Dominance. (U.S. Navy photo by MC1 Rob Rubio)


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

**Any Day at NPS **

By Lt. Matthew Yokeley

**STUDENT voice**

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. There 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 An-

Studying English in the academic setting, “said

MC1 Rob Rubio)

“Terrorist: The War on Terror” (U.S. Navy photo by Javier Chagoya)

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

Students in Canada and the United States and the Navy League. Mark your calendars for June 2 and we’ll see you there!

A Navy dining-out had more than 250 at-

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March 3
Sip the Peninsula
Tasting and Silent Auction
Barbara McNitt Ballroom
POC MWR, Ext. 2148

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 15
“Saudi Arabia: Past and Present”
Presentation and Screening of “Arabia” by Hugh L. Renfro
POC Lt. Cmdr. Jason Weece, jweece@nps.edu

March 16
St. Patrick’s Day 5K
POC Monterey Bay Athletic Club, Ext. 3118

March 28
CRUSER 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

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.