Inspiration Highlights NPS’ Day of Discovery

By MC2 Michael Ehrlich

More than 1,000 Monterey Peninsula elementary through high school students packed King Auditorium on the Naval Postgraduate School (NPS) campus, Dec. 1, kicking-off Discover NPS Day, a rare open-campus event designed to introduce the regional community to the university. Countless STEM activities and demonstrations, open research labs, keynote lectures and topical panel sessions were just a few of the day’s highlights, that all began with a welcome message straight from the commander of the International Space Station (ISS).

“Astronauts come from very diverse backgrounds,” said U.S. Marine Corps Col. Randy “Komrade” Bresnik. “We are fighter pilots, engineers, professors, scientists and teachers. Our crew on the ISS represents each one of those professions.

“We do have one thing in common,” Bresnik continued. “We were all inspired by someone or something in our past that got us here to orbit 250 miles above the surface of the earth. I hope you find something that inspires you, for there is no stronger motivation than inspiration.”

Throughout the day, visiting students and their parent and teacher chaperones had free reign over much of the campus, packing Spanagel Hall for the Department of Physics’ popular demonstrations in the science of sound, electricity, mechanics and many more. Standing-room only crowds descended upon the university’s MOVES Institute, where virtual reality and 3D printing activities were a huge hit. Meanwhile, in the RoboDojo Lab, students flew mini UAVs and learned the basics of coding.

“I liked all of the hands-on experiences, getting to see and do everything has been a lot of fun,” said Monterey Bay Charter School Sixth Grader Riley Reagan.

Even the teachers and chaperones were impressed with the events, and the opportunity NPS offered the regional community.

“This is a huge opportunity for kids that get to grow up in Monterey, so they can understand not only what is here, but really what is out there for them,” said Bayview Academy teacher Kyle Virerra. “It’s great for NPS to demonstrate what they can go to school for in the future that can change the world.”
NSA Monterey Strikes Gold in SECNAV’s Energy and Water Management Awards

By Melinda Larson, NSA Monterey Public Affairs

Naval Support Activity Monterey struck “Gold” in the Secretary of the Navy’s (SECNAV) Energy and Water Management Awards program. The 2017 Gold level of achievement for the installation, which evaluates the performance during fiscal year 2016, equates to a “very good to outstanding” energy and water conservation program.

According to the installation Energy Manager, NSA Monterey’s population contributed to the award by consuming 24.9 percent less water from the previous year – 14.7 million gallons to 11.1 million gallons.

“The reduction in annual water use during the reporting period is a real tribute to the conservation efforts of all military personnel, civilian staff, and students at NSA Monterey,” said Doug Taber, Naval Facilities Engineering Command Monterey Energy Manager.

Despite an increase in requirements, the installation also used less electricity and gas with a decrease of 2.5 percent from the previous year. According to Commander, Navy Installations Command, energy bills are the single largest cost for Navy installations, reflecting about 28 percent of the Navy’s shore budget. By reducing energy and water costs, the Navy is able to free up budget dollars to support training and fleet operations.

“Electricity use at NSA Monterey has been reduced despite increases in computer center data-processing demand and equipment purchases,” Taber added.

A trio of engineers have also made energy savings at NSA Monterey a reality by designing the ability to monitor heating, ventilation and air conditioning (HVAC) with a glance at a computer screen.

“We can look at 27 buildings in about two hours to locate HVAC and utility system problems rather than sending a technician. It would take a technician about two weeks to go through that many buildings. HVAC units are not always easily accessible,” said Jayson Womack, a Mechanical Engineer who monitors the system on two side-by-side computer terminals in the Public Works building.

The engineers have also set heating and cooling on timers, and turn off systems overnight and on weekends.

With 14 years of energy reductions, the NSA Monterey energy team is on point to achieve the Secretary of the Navy’s goal of 45.9 percent energy reduction by 2020.

“Since the baseline year of 2003, we have reduced energy by 37.8 percent,” Taber said.

To put into perspective how much energy is used at the installation, imagine the 220,000 square-foot Spanagel Hall that consumes some 137,000 kilowatt hours of electricity per month. The average home uses about 300 kilowatt hours per month.

“Spanagel Hall consumes about the same amount of energy as 457 homes,” Womack said. “That’s why we have to turn off the lights at night.”

Achieving energy and water reductions takes all hands to help achieve the SECNAV’s Gold rating.

“Meeting overall goals is due largely to individual decisions and actions like turning off office lights and computer peripherals at the end of the day,” Taber added. “Using automatic sleep-mode settings for screens and photocopiers is helpful every day of the year.

“Other energy and water-saving choices for all personnel include turning off unnecessary equipment when leaving a room, repairing and maintaining office equipment, keeping facility doors closed when air conditioning is running, decreasing water use at facilities, and reporting inoperative equipment or water leaks,” Taber added.

“Also during 2018, building automation controls improvements and HVAC system modifications at two additional facilities will increase overall energy efficiency and permit greater use of Mon-
Ambassador Discusses Foreign Policy, Student Responsibilities During SGL

By MC2 Michael Ehrlich

Dean of the Elliott School of International Affairs and former Ambassador to the African Union Ambassador Reuben Brigety II speaks to NPS students, faculty and staff during the latest Secretary of the Navy Guest Lecture (SGL) in King Auditorium, Nov. 21. Brigety stressed the importance of responsibility during his address to the students, highlighting the changing leadership role of the United States in the broader world. (U.S. Navy photo by MC2 Michael Ehrlich)

Dean of the Elliott School of International Affairs and former Ambassador to the African Union Ambassador Reuben Brigety II speaks to NPS students, faculty and staff during the latest Secretary of the Navy Guest Lecture (SGL) in King Auditorium, Nov. 21. Brigety stressed the importance of responsibility during his address to the students, highlighting the changing leadership role of the United States in the broader world.

"Let me begin this by congratulating all of you for being selected to study at the Naval Postgraduate School," Brigety said. "I am well acquainted with the enormous reputation of this institution and frankly what it means to be selected to study here.

"Months ago, I began to think about where you all are in this particular time of your professional and personal lives, and where we are in this particular historical moment in the world," he continued.

Brigety described the importance of self-reflection. He encouraged the students to take advantage of this "tremendous gift to stop and think; to stop and question, and to stop and learn from each other," he said.

"One of the things you learn about from reading about the historical careers of great military leaders is that amongst the most important things that happened to them, that prepared them for the enormous challenges that history thrust upon them ... happened at times when they either had time to take off to study or ... they took the time to take advantage of pause, to question, to understand both the significance of their profession and the significance of where they thought the world was moving," Brigety explained.

The former Ambassador continued his discussion by turning his focus to the political climate of the United States, and its impact on foreign affairs.

"The nature of our changing demographics, the nature of an increasingly polarized media environment, the nature of political gerrymandering and what that does to incentives or disincentives for political competition, etc.,” he continued.

"Let me offer you a thesis,” he said. “That thesis is that there is something very different between American nationalism and American leadership. Leadership by definition in any circumstance ... is the ability to convince other people that your interests are their interests. And that they should take significant steps to be able to advance your shared interests together for your mutual benefit. Nationalism is not the same thing.” But that’s the wrong dichotomy, Brigety said.

"The real question is whether or not the United States is just like any other state, simply trying to advance its own interests,” he noted. Critical to this question, he stressed, is “whether or not we find a way to ensure that our interests are seen as shared interests with other parts of the world, so that other countries will take significant steps in advancing our interests, together.”

Sanchez was evaluated in five rigorous categories, with her extensive efforts in research, practice, management, education and service all requiring outstanding achievement for election. According to INFORMS, the election to Fellow is limited to 0.1 percent of its active members – that’s one in a thousand – of its distinguished scholars and practitioners.

"I’m truly honored to receive this international recognition. It’s a very special event and milestone for me,” said Sanchez. “I think often those in defense may not realize what a special resource they have at NPS. We do wonderful things here as we educate the next generation of officers and defense analysts. It really helps to show that NPS is on par with some of the major research institutions and public universities across the world.”

Sanchez joins a proud legacy of INFORMS Fellows in NPS OR., Distinguished Professor Gerald Brown says. In addition to Sanchez and Brown, Distinguished Professors Emeritus Don Gaver and David Schrady, and the late Dr. Jack Borsting, a recent NPS Hall of Fame inductee, have also been elected as Fellows to the association.

Sanchez is the 23rd woman to be elected, and has been a member of INFORMS since receiving her doctorate from Cornell in 1986.

Have a story to share? Public Affairs is constantly seeking interesting news and stories for Update NPS. Send your tips to pao@nps.edu
TRAC Monterey Holds Open House, Seeks Partnership Opportunities  
By MC2 Michael Ehrlich

NPS students, faculty and staff explore current and future research capabilities at the U.S. Army Training and Doctrine Command (TRADOC) Analysis Center Monterey, known as TRAC Monterey, during the organization’s open house in Watkins Hall, Nov. 2. TRAC Monterey’s mission is to serve as the principal research activity for TRADOC, performing exploratory and applied research in three broad areas – advancements in modeling and simulation, advancements in analysis techniques and methodologies, and future systems applied research.

“This work gives them a chance to see what they will be getting into in their follow-on assignments, and see the end results of those complex projects,” noted Shingleton.

Director of TRAC Monterey U.S. Army Lt. Col. Michael Teter noted that many of the staff at the organization are very familiar with NPS, as several are graduates of the university. He also emphasized the variety of ways TRAC Monterey staff can assist with NPS research efforts.

 “[TRAC Monterey staff] can act as second readers on thesis works. They are an excellent resource for students and for faculty as well as those who are thesis advisors but may not have recent coding experience,” said Teter. “We also have interesting problems to work on, and being an Army unit as a tenant of NPS means we have access to certain data sets.”

Ultimately, Teter said, the event is about ensuring the NPS community is aware of the resources available to them, so the long history of collaborative work between NPS and TRAC Monterey can continue.

“My Army cyber project is on how we visualize the data events that cyber is bringing in when there are 100 million events,” said Shingleton. “Big data manipulation is something that we could bring back into TRAC as a whole for many other uses.”

Singleton says TRAC Monterey often works with NPS faculty and students, providing input on current issues that the service is looking to solve. This also provides students with an opportunity to learn more about the field of work they will be matriculating into after graduation.

NPS Researcher Contributes to Major U.S. Report on Climate Change  
By Javier Chagoya

The U.S. Global Change Research Program recently released one of the federal government’s most comprehensive climate change studies in U.S. history, and NPS Research Professor Wieslaw Maslowski was a key contributor. The Climate Science Special Report (CSSR), mandated by the Global Change Research Act of 1990, serves as the authoritative assessment on climate change science.

Maslowski’s contribution to the report can be found in Chapter 11, “Arctic Change and Their Effects on Alaska and the Rest of the United States.” Maslowski has studied the Arctic region for more than 30 years, extensively researching how climate change in this region is continuing to outpace other regions across the globe.

“In the Arctic, it’s a matter of when and not if the summer sea ice will be gone. This will affect the oceanic intake of CO2 and other greenhouse gasses,” said Maslowski.

Maslowski says he believes there is a direct link between U.S. national security and our understanding of these climate systems.

“For me, sea-level rise, extreme weather and climate events, including drought, cold, floods, mud slides, and their impact on human health, lives, food, energy availability and resulting national/global stability and local/regional conflicts ... these are all vulnerabilities that will impact the region,” said Maslowski.
CCMR Holds Executive Decision Course for Senior International Personnel

By MC2 Patrick Dionne

The Naval Postgraduate School’s Center for Civil-Military Relations (CCMR) hosted its bi-annual Executive Program in Defense Decision Making for senior international military and government defense officials, Nov. 6-17. The course brought 21 military officers and their civilian counterparts from 16 different nations to campus, covering topics related to security and defense decision-making in the contemporary global environment.

“The advantage of the students coming here to NPS is that it gives them access to a wide range of subject-matter experts across campus,” said Scott Jasper, International Defense Transformation program manager for CCMR. “The academic views and insight that our faculty provide, as well as practical frameworks, help facilitate the conversation on different challenges that could come up from a wide range of things from cyber, to economics, or anything else that could arise.

The program is broken up into two sections, with the first week concentrated on strategy on counter security challenges, and the second covering operational design and the development of capabilities to counter adversary tactics. Ultimately, participants bring a diverse tool box of perspectives and decision making procedures to their home country’s armed forces.

“This has been a great way to learn new points of view on different concepts and different ways to approach them,” noted Argentine Air Force Lt. Col. Christian Haller.

“What makes this course so beneficial for us is it gives access to so many new tools and ideas to tackle complex problems,” Haller continued. “To be able to interact with colleagues from other countries has been a great way to share knowledge on how they tackle things.”

NDIA Returns to NPS Campus for Annual Survivability Symposium

By MC2 Michael Ehrlich

National Defense Industrial Association (NDIA) Chief Executive Officer retired U.S. Air Force Gen. Herbert J. “Hawk” Carlisle welcomed attendees to the 2017 NDIA Aircraft Survivability Symposium in King Auditorium, Nov. 9. NDIA once again turned to NPS as the backdrop for its conference, where attendees and speakers can interact with university researchers and warfighters on current and future challenges in the area of survivability.

“Our objective with the Aircraft Survivability Symposium is to provide a venue for the transfer of information on innovative technology that can directly support the military survivability community,” said Carlisle. “We offer unique educational opportunities ... And NPS is an ideal venue, we are truly grateful for their sponsorship.”

During the three-day event, subject matter experts discussed varied topics on aircraft survivability through detailed tutorial sessions, industry executive keynotes and more.

“So many people in the world of combat survivability have either attended, or taught, or have some connection with NPS,” said NDIA Board member retired U.S. Army Brig. Gen. Stephen D. Mundt. “It is really fortunate that we have been able to develop this partnership with NPS so that we can come back each time and do this symposium.”

“USE or LOSE” LEAVE?

A leave year begins on the first day of the first full biweekly pay period in a calendar year and ends on the day immediately before the first day of the first full biweekly pay period in the following calendar year.


Employees may carry over to the next leave year the maximum amount of accrued annual leave, 240 hours for most employees.

“Use or lose” annual leave is the amount of accrued annual leave that is in excess of the employee’s maximum annual leave limitation for carry over into the next leave year.

Employees must “use” their excess annual leave by the end of a leave year or they will “lose” (forfeit) it.

Please schedule and use your leave timely to avoid losing it.

You may wish to consider donating some or all of your excess use or lose annual leave to an NPS employee in need of leave through the Voluntary Leave Transfer Program.

An employee may apply to restore annual leave that was forfeited in very limited and extraordinary circumstances, e.g., due to an exigency of the public business or to an illness of the employee.

For questions regarding use or lose or restoration of leave, please contact the Human Resources Office at x2244 or x2007.

Send your faculty news and notes to update@nps.edu.

FiveEyes CIOs Hold Annual Defense Forum at NPS

By MC2 Patrick Dionne

Chief Information Officers (CIOs) from nations of the intelligence alliance of the U.S., U.K., Canada, Australia and New Zealand, collectively known as the FiveEyes, gathered at the Naval Postgraduate School (NPS), Oct. 30 - Nov. 3, for the CIO Defense Forum.

“Three to four times a year, the CIOs from the FiveEyes countries get together and discuss issues of mutual interest and benefit,” said DOD acting Chief Information Officer Dr. John Zangardi, a 1994 graduate of NPS’ financial management program.

“It is important for us to keep in touch with all of our FiveEyes allies to maintain the strong relationship that has lasted for years, and this forum, in particular, focuses on mutual issues we face within the realm of IT, including identity management and satellite communications, combined buying power, and how we tackle those issues with interoperability, as we move in a similar direction,” Zangardi said.

The FiveEyes began in 1946 when an alliance of the five English-speaking countries developed a set of bilateral agreements that would eventually come to be known as the UKUSA Agreements, establishing an alliance for the purpose of sharing intelligence, and in particular, signals intelligence.

For NPS’ own Chief Information Officer, Joe LoPiccolo, serving as host for the forum was a great opportunity for the university to hear first-hand about the national issues and challenges facing the DOD, and defense departments of the FiveEyes allies.

“This forum was a great opportunity for NPS to listen to CIOs from the four other FiveEyes countries, and our own defense department CIO, to set the direction for the future of IT in support of the warfighter,” said LoPiccolo. “It is critically important for us to be aligned to that, and to be supportive of where the strategic direction is headed, so that we can have more capabilities and understanding of warfighter requirements and needs.”

Zangardi, a retired Naval Flight Officer who served in a variety of command and staff assignments, became the Principal Deputy DOD CIO in October 2016, and was just recently announced as the next Chief Information Officer for the Department of Homeland Security. When the U.S.’s turn to host the forum came up, Zangardi immediately thought of NPS as an appropriate backdrop for the forum, where students, faculty and administrators routinely study some of the very issues the CIOs discussed.

“I have maintained my connections with NPS and have routinely held events here, and the reason for this is that the facilities are fantastic, the support from the school is incredible, and I really enjoy engaging with the faculty,” said Zangardi. “NPS is one of my favorite places to come back and experience the high-level of academic achievement ... Very few other places give us the ability to have a discussion on a certain topic and easily be able to find an expert in that field.

Focus On ... Honoring Gold Star Families
A Monthly Look at Names and Faces on Campus

Educational Service Facilitator at Naval Support Activity Monterey (NSAM) Fleet and Family Support Center Amanda Keesee is recognizing Gold Star Families and our fallen service members by encouraging the NPS, NSAM communities to participate in the Holiday Memorial Tree Campaign this season.

“The holidays can be difficult for Gold Star families grieving the loss of their loved one. For some, long-standing family traditions either cease or feel incomplete,” said Keesee. “This Holiday Memorial Tree Campaign offers an opportunity to create a new tradition to honor the memory of the fallen.

Students, faculty and staff can participate in the program by crafting an ornament with the name of a fallen Service member, from any branch, or by writing a message of support to our Gold Star Families. The tree will be on display through January 2, 2018.

“The NSAM Gold Star Memorial tree is one of 12 Memorial trees that have been erected throughout Navy Region Southwest. These trees are decorated with ornaments bearing the names of our Fallen Service Members, lovingly handwritten by friends, families, fellow Service Members, and the FFSC staff,” Keesee added.

The Navy Gold Star program was established on October 1, 2014, to help provide continuing support for surviving family members of fallen service members. The program honors Gold Star Families throughout the year by hosting events that pay tribute to their lost loved ones, providing resources and opportunities to connect with one another and to their greater Navy family.
Any Day at NPS ...

Commander, California Medical Detachment, U.S. Army Lt. Col. Brian Lanier speaks to NPS students, military faculty and staff, and family members during a town hall meeting in King Auditorium, Nov. 7. Lanier provided a detailed update on upcoming changes to TRICARE that will go into effect on Jan. 1, 2018. (U.S. Navy photo by MC2 Brian H. Abel)

In one of the largest classes in recent years, 80 U.S. Marine Corps students currently studying at NPS were awarded certificates of completion for the Expeditionary Warfare School (EWS) distance education program during a ceremony in Glasgow Hall, Nov. 16. (U.S. Navy photo by Javier Chagoya)

Mass Communications Specialist 1st Class Lewis Hunsaker, left, receives the Navy and Marine Achievement Medal from NPS President retired Vice Adm. Ronald A. Route, in addition to the announcement of his selection as the 2017 Senior Sailor of the Year, during an awards ceremony in Herrmann Hall, Nov. 13. (U.S. Navy photo by MC2 Brian Abel)

NPS students line up in Ingersoll Auditorium for their annual flu vaccine, Nov. 1. Thanks to California Medical Detachment (CALMED) staff at the U.S. Army Garrison Presidio of Monterey, personnel delivered nearly 1,000 vaccinations to service members on the NPS campus over a three-day period. (U.S. Navy photo by Javier Chagoya)

NPS staff Sailors, from left to right, Information Systems Technician 2nd Class Donte McCarthy, Yeoman 2nd Class Ana Ingram, Electronics Technician 2nd Class Donald Williams and Yeoman 3rd Class John Mark Rivera, were honored during an awards and quarters ceremony in front of the Naval Postgraduate School’s Herrmann Hall, Nov. 3. (U.S. Navy photo by MC2 Patrick Dionne)

Members of NPS’ Fiscal Year 2017 Command Climate Survey Committee and the Command Resilience Team stand for a portrait in front of Herrmann Hall. The Teams were responsible for conducting the organizational climate survey focus group meetings on topics such as gender equality, diversity, communication, the Sexual Assault Prevention and Response Program, and mentorship. From left: Management and Program Analyst, Jaye Panza, Acting Deputy Equal Employment Opportunity Officer, Keli Rivera and NPS Academics Leading Chief Petty Officer and Command Managed Equal Opportunity Program Manager Veronica Mikulewicz. (U.S. Navy photo by Javier Chagoya)

Marine Corps Capt. Dan Salazar, Chairman of the President’s Student Council

Fellow Students,

As we near the end of another quarter, we congratulate those graduating this month. Thank you for your hard work at NPS, and good luck in your next assignments.

This month also presents a unique opportunity for us: Discover NPS Day. This special event is an exciting chance to show our neighbors what NPS does for the nation in their backyard. With hundreds of visitors from schools and all walks of life coming to visit, this is an incredible opportunity to share our work. The PSC has been helping to shape the event, but the real success will come from the dozens of volunteers helping to bring it all together. To all those volunteers, thank you!

The PSC is always welcoming new members. If you would like to know more about being part of this unique team, please email any current member (info below). Also, all students are always welcome to our monthly meetings held the first Wednesday of each month at 1200 in the library, room Kn-263A.

The PSC is here to serve you and be your advocates. Thank you for your hard work and good luck with your studies.

Sincerely,

Capt. Daniel Salazar, USMC

Chair: Capt. Dan Salazar
Vice-Chair: Capt. Margarita Balish
SIGS Lead: Lt. Dan Justice
SIGS Rep: Lt j.g. Tanya Herfi
GSOIS Lead: Maj. Jake Jacobs
GSOIS Rep: Maj. Paul Webber
GSBPP Lead: Capt. Beau Pilott
GSEAS Lead: vacant

Have a story to share? Public Affairs is constantly seeking interesting news and stories for Update NPS. Send your tips to pao@nps.edu.
Secretary of the Navy, James Forrestal, commissioned a special board to scout locations for relocating the Postgraduate School from the grounds of the U.S. Naval Academy, Annapolis MD. Requirements stipulated that the new location be:

- Adjacent to a large body of water to permit instruction and research in: underwater methods of attack and defense; ship tactics; combat intelligence and electronics (including new radar technologies)
- Within a reasonable distance of a deep anchorage to accommodate all types of ships for training
- In close proximity to an airfield (with weather conditions favorable to year-round flying) for training, experimentation and so aviators could maintain flying proficiency
- Near a sizeable but not too large town with adequate stores, schools, and recreation that would also provide opportunities for faculty, staff, and students to participate in community life.

Congress passed Public Law 302, authorizing the purchase of the Del Monte Hotel, buildings and lands in Monterey, CA, and Public Law 303, authorizing the establishment of the U.S. Naval Postgraduate School. Effective 1 August 1947 NPS had a place to relocate, a new name, and her Commanding Officer was re-designated as “Superintendent.”

Historical Highlights are provided by the Dudley Knox Library.