



MARCH 2023

### NPS and NPS Foundation at WEST 2023



Representatives from the Naval Postgraduate School and the Naval Postgraduate School Foundation recently attended the WEST 2023 conference, co-hosted by the Armed Forces Communications and Electronics Association (AFCEA) and U.S. Naval Institute (USNI), in San Diego, California. The conference brought together industry leaders with military decision-makers and operators to explore the latest platforms, leading-edge technologies, and state-of-the-art networking capabilities that support naval operations and discuss the challenges facing our Department of Defense.

Dr. Joseph Blau, research associate professor of physics at NPS, and Ph.D. candidate Lt. Cmdr. Brian Curran offered their thoughts on directed energy and hypersonics, and the opportunities and challenges they present, at a panel during the first day of WEST 2023 on Tuesday, Feb. 13. Blau and Curran were joined on the panel by David Kiel, director of the Directed Energy Warfare Office at the Office of Naval Research, and Lt. Cmdr. Joseph Lewis, an integrated air and missile defense warfare tactics instructor at Naval Surface and Mine Warfighting Development Center Fleet Training Pacific. The panel was moderated by Cmdr. David Hollon, deputy director of the Surface Advanced Warfighting School.

U.S. Marine Corps Capt. Thomas Schmitt, a computer science student at the Naval Postgraduate School, was honored as a recipient of the [2023 Copernicus Award during this year's WEST 2023 Conference](#), Feb. 14.

The Copernicus Award, which is sponsored by the AFCEA and USNI, was established to recognize individual contributions to naval warfare in command, control, communications, computers, and intelligence (C4I), information systems, cyber operations and information warfare.

"It is an extreme honor to win this award," said Schmitt. "I am very proud, and quite frankly, blown away by the team of Marines I was fortunate enough to work with in earning this recognition." [Read more on WEST 2023.](#)

---

NPS and the NPS Foundation will be at [Sea-Air-Space](#) in National Harbor, MD, April 3-5, 2023. Learn more and register for our [alumni event](#) on Monday, April 3 in the Lower Atrium at the Gaylord National Resort and Convention Center.

Please contact [comms@npsfoundation.org](mailto:comms@npsfoundation.org) or message us on [LinkedIn](#) if you would like to schedule a meeting.

*[Sea-Air-Space](#) brings the U.S. defense industry and key military decision-makers together for three days of informative educational sessions, important policy discussions and a dynamic exhibit hall floor. Owned and produced by the Navy League of the United States, Sea-Air-Space attracts maritime leaders from sea services around the globe.*

---

### **Dr. Mara Orescanin on the importance of STEM outreach and this year's NPS Rapid Innovation Design Challenge.**

Dr. Mara Orescanin, Director of the Naval Postgraduate School's Consortium for Robotics & Unmanned Systems Education and Research (CRUSER), pioneered the first NPS Rapid Innovation

Design Challenge in 2022 to provide STEM curricula to local Monterey County schools, build excitement about STEM and inspire future generations.

The 2023 Rapid Innovation Design Challenge encourages 9th - 12th-grade students to use workflow automation processes to envision, develop and design innovative solutions to the climate change challenges impacting their local communities. Learn more and register your teacher-student team at [nps.edu/design-challenge](https://nps.edu/design-challenge). Registration closes April 1.

Read more on the design challenge here: [Developing the next generation of STEM professionals](#)

## Watch the Video



*"STEM outreach to me is a critical component of service as part of my job as a scientist. One of the things that I learned, especially during COVID, was how important it was to reach our younger generations and inspire them to see themselves as scientists and engineers in the future." - Dr. Mara Orescanin*

---

## **Call for applicants for the Donald R. Beall Defense Fellowship Program**



The Naval Postgraduate School Foundation is seeking applicants for the Donald R. Beall Defense Fellowship Program located in Monterey, California, for academic year 2023-2024. Fellows will be assigned to the Department of Defense Analysis at the Naval Postgraduate School. The Beall Fellowship was designed to further the NPS mission by preparing the next generation of security scholars for service in the U.S. Government, academia, industry or on national defense advisory bodies.

The Donald R. Beall Defense Fellowship Program is a one or two-year appointment, with options for renewal in certain circumstances. To be eligible, candidates must demonstrate a strong record of scholarship in an applicable field. An earned doctorate is mandatory. Applicants should submit curriculum vitae, official transcripts, and three letters of recommendation to: [colson@npsfoundation.org](mailto:colson@npsfoundation.org). **Application Deadline:** 17 MAR 2023.

**Full Details Here:** [jobs.chronicle.com/job/37408251/the-donald-r-beall-defense-fellowship-program](https://jobs.chronicle.com/job/37408251/the-donald-r-beall-defense-fellowship-program).

---

## **Technology Trends and Decision Advantage in Defense with Retired Vice Admiral Ann E. Rondeau**

"In my view, we need a radical reinvention of a military-civil innovation relationship to lower the existing barriers," said retired Vice Adm. Ann E Rondeau, President of the Naval Postgraduate School. "What I would use is defense spending, private capital dual-use startups, existing prime contractors, federal labs, both civilian and defense academic institutions, in what I would call a new and networked configuration... Instead of a military-industrial base, why not think about a

military-industrial network that really takes advantage of the current environment. Let's go side by side, let's move, let's push to the left everything in the design cycle. Let's integrate military cases and address capability gaps from the start. This accelerates development."

In this new episode of Microsoft's Public Sector Future Podcast, guest host Arthur T. (AT) Ball sits down with Ann Rondeau to discuss Technology Trends and Decision Advantage in Defense. Rondeau's description of how NPS and industry partners work together using a Cooperative Research and Development Agreement (CRADA) is an excellent example of how digital transformation using commercial technologies can solve current operational challenges.

[Listen here](#) or anywhere you get your podcasts.



### **Qualcomm and Naval Postgraduate School Announce Collaboration to Advance Technological Solutions**

Two well-known California institutions of research and innovation – the Naval Postgraduate School and Qualcomm Technologies, Inc. – are joining forces in a strategic partnership focused on emerging disruptive technologies with potential applications to U.S. Navy and U.S. Marine Corps capability needs.

NPS and Qualcomm Technologies recently signed a Limited Purpose [Cooperative Research and Development Agreement](#) (LP-CRADA). This agreement combines the capabilities and the talent of the two organizations into a united problem-solving enterprise.

Under the LP-CRADA, NPS faculty and students will conduct research into 5G wireless communications, artificial intelligence, hardware development platforms, and associated technologies and develop the concepts of employment needed for military applications and operations. Qualcomm Technologies will provide software, hardware, and reference design platforms to NPS for experimentation, assessment, and evaluation. NPS students and faculty will work cooperatively with Qualcomm Technologies subject matter experts to understand the capabilities, benefits and limitations of the platforms and technology and to determine potential military applications.

“Over the past several years we have had the privilege of engaging with NPS students, faculty and staff through technical exchanges, presentations and demonstrations,” said Kim Koro, senior vice president, Qualcomm Technologies, Inc. “This CRADA is the next step in building an enduring collaboration between our two entities.”

---

#### **Read More:**

[US Navy teams with Qualcomm to research 5G, artificial intelligence](#)

[Naval Postgraduate School, Qualcomm Forge Emerging Tech R&D Partnership](#)

---

*“The DON is creating a culture that nurtures innovation and drives our competitive advantage. This partnership between NPS and Qualcomm Technologies is another step in the right direction. The CRADA will identify promising emerging commercial technologies so we can rapidly adopt them for full-scale implementation.” – Aaron Weis, Department of the Navy Chief Information Officer*

---





### **Bridging the Gap: NPS to Accelerate Innovation from Concept to Capability**

Innovation has long been part of the foundation of U.S. military power. Indeed, the call for greater innovation is at the forefront of both the National Security Strategy and the National Defense Strategy. In recent months, President Biden and the Defense Innovation Board have called for increased innovation from the Department of Defense, with President Biden asserting, “We have to maintain our military advantage.”

Echoing this imperative, Secretary of the Navy Carlos Del Toro is challenging the Department of the Navy to restore its technological superiority, urging the Navy and commercial industry leaders to stay ahead of our pacing challenge by redoubling innovation efforts. “The threats we face demand us to do more,” Del Toro said at this year’s Surface Navy Association (SNA) National Symposium.

As part of Del Toro’s goal to accelerate innovation across every corner of the naval enterprise, he has called for a bold new vision for the naval education and innovation ecosystem. Central to this vision is Del Toro’s recent announcement to establish a Naval Innovation Center at the Naval Postgraduate School.

***Education and research are two sides of the same innovation coin at NPS. The Naval Innovation Center will optimize NPS as a technology accelerator. Innovation at NPS is about accelerating impact. The experiential learning of applied research and hands-on innovation delivers solutions and develops solution leaders. – Dr. Kevin Smith, Vice Provost for Research***

---

## **Alumni Updates**

## **Navy Flag and Marine General Officer Promotions:**

**Rear Adm. John V. Menoni**, Systems Analysis Certificate '13, will be assigned as director, Programming Division, N80, Office of the Chief of Naval Operations, Washington, D.C.

**Rear Adm. Douglas C. Verissimo**, Naval Nuclear Power School Certificate '09, will be assigned as commander, Naval Air Force Atlantic, Norfolk, Virginia.

**Rear Adm. (lower half) Jeffrey J. Czerewko**, Aviation Safety Certificate '00, selected for promotion to rear admiral, will be assigned as commander, Naval Education and Training Command, Pensacola, Florida.

**Rear Adm. (lower half) Michael P. Donnelly**, Naval Nuclear Power School Certificate '10, selected for promotion to rear admiral, will be assigned as director, Air Warfare Division, N98, Office of the Chief of Naval Operations, Washington, D.C.

**Rear Adm. (lower half) Paul C. Spedero Jr.**, Naval Nuclear Power School Certificate '10, selected for promotion to rear admiral, will be assigned as vice director of operations, J-3, Joint Staff, Washington, D.C.

**Rear Adm. (lower half) Christopher D. Alexander**, Operations Research Logistics Analysis '99, will be assigned as commander, Carrier Strike Group Nine, San Diego, California.

**Rear Adm. (lower half) Sean R. Bailey**, Aviation Safety Certificate '02, Nuclear Power School Certificate '12, will be assigned as commander, Carrier Strike Group Eight, Norfolk, Virginia.

**Rear Adm. (lower half) Michael A. Brookes**, MA in Intelligence '97, will be assigned as director, National Maritime Intelligence Integration Office/commander, Office of Naval Intelligence, Washington, D.C.

**Rear Adm. (lower half) Patrick J. Hannifin**, Naval Nuclear Power Certificate '11, will be assigned as commander, Task Force Seven Zero; and commander, Carrier Strike Group Five, Yokosuka, Japan.

**Rear Adm. (lower half) Benjamin R. Nicholson**, MS in Information Warfare '99, will be assigned as commander, Expeditionary Strike Group Two, Norfolk, Virginia.

**Rear Adm. (lower half) Randall W. Peck**, Naval Nuclear Power School Certificate '11, will be assigned as commander, Expeditionary Strike Group Three, San Diego, California.

**Rear Adm. (lower half) Benjamin G. Reynolds**, Masters of Systems Analysis '13, will be assigned as deputy assistant secretary of the Navy for Budget; and director, Fiscal Management Division, N82, Office of the Chief of Naval Operations, Washington, D.C.

**Rear Adm. (lower half) Michael S. Sciretta**, MS in Operations Research '99, will be assigned as director, Warfare Development, N72, Office of the Chief of Naval Operations, Washington, D.C.

**Rear Adm. (lower half) Michael W. Baze**, MA in National Security Affairs '01, for appointment to the grade of rear admiral.

**Rear Adm. (lower half) Richard T. Brophy Jr.**, Aviation Safety Certificate '01, for appointment to the grade of rear admiral.

**Rear Adm. (lower half) Stephen R. Tedford**, United States Naval Test Pilot School (USNTPS) Cooperative Program, Aeronautical Engineering '99, for appointment to the grade of rear admiral.

**Capt. Eric J. Anduze**, Naval Nuclear Power School Certificate '14, for appointment to the grade of



rear admiral (lower half).

**Capt. Amy N. Bauernschmidt**, Naval Nuclear Power School Certificate '15, for appointment to the grade of rear admiral (lower half).

**Capt. Thomas J. Dickinson**, MBA '06, for appointment to the grade of rear admiral (lower half).

**Capt. Thomas A. Donovan**, MS in Defense Analysis '07, for appointment to the grade of rear admiral (lower half).

**Capt. Frederic C. Goldhammer**, Naval Nuclear Power School Certificate '15, for appointment to the grade of rear admiral (lower half).

**Capt. Joshua C. Himes**, MS in Systems Technology '01, for appointment to the grade of rear admiral (lower half).

**Capt. Paul J. Lanzilotta**, Aviation Safety Certificate '05, for appointment to the grade of rear admiral (lower half).

**Capt. Kurtis A. Mole**, Network Operations and Technology (Operations) Certificate '12, for appointment to the grade of rear admiral (lower half).

**Capt. Frank A. Rhodes IV**, EMBA '11, for appointment to the grade of rear admiral (lower half).

**Capt. Thomas E. Shultz**, MS in Mechanical Engineering '01, for appointment to the grade of rear admiral (lower half).

**Capt. Kevin R. Smith**, MS in Computer Science '02, for appointment to the grade of rear admiral (lower half).

**Capt. Forrest O. Young**, EMBA 05, for appointment to the grade of rear admiral (lower half).

**Col. Adolfo Garcia Jr.**, MS in Systems Analysis '12, for appointment to the grade of brigadier general.

---

Lt. Gen. **Baggavalli Somashekar Raju**, MA in Security Studies (Combating-Terrorism: Policy and Strategy '10, took command of the Sapta Shakti Command on March 1, 2023. Raju is an alumnus of Sainik School Bijapur and National Defence Academy was commissioned into the 11th Battalion of the JAT Regiment on 15 December 1984. Raju has attended all-important career courses in India and has the privilege of doing his National Defence College at Royal College of Defence Studies, UK.

During his illustrious career of 38 years, Raju has served across a wide spectrum of conflicts and terrain. He is a qualified helicopter pilot, having done operational flying in Somalia as part of the UN mission. He commanded an infantry battalion during Op PARAKRAM in Western theatre and on Line of Control in Jammu & Kashmir. He also holds the distinction of commanding a brigade along the Line of Control in Jammu & Kashmir, Counter Insurgency Force in South Kashmir and the prestigious Chinari Corps in Kashmir. The General officer was also Commandant, Indian Military Training Team in Bhutan.

---





Miami International Airport Department of Homeland Security/TSA executive assistant **Laritza Puentes**, CHDS Security Emergence Program '21, has proposed a way to better inform TSA personnel about the available career development opportunities in the agency. The recent Center for Homeland Defense and Security Emergence Program graduate is pursuing a change initiative that seeks to create an interdepartmental program providing TSA personnel with a centralized location for all career development opportunities in an effort to enhance TSA officer retention.

“To hear everyone else in the cohort and how passionate they are about change in their organizations, it gave me more fire and passion to pursue change in my own agency,” Puentes said. “[CHDS is] doing great work. It’s making a big difference.” [Read more.](#)

---

University of Alabama in Huntsville (UAH) President Charles L. Karr announced that retired Lt. Gen. **Leon Neil Thurgood**, MS in System Management '97, has been named Special Advisor to the President for Military Affairs and Technology.

In this position, Thurgood will help establish sustainable educational programs with entities at Redstone Arsenal, including the U.S. Army, NASA and the Federal Bureau of Investigation, and he will establish and support the development of training programs for company es that do business with government entities. In addition, Thurgood will support the development of a directed energy consortium focused on enhancing UAH’s externally funded research portfolio, leading to early development of technologies that can be utilized in the field. Finally, Thurgood will develop and implement educational and training programs at



UAH that can benefit military veterans, and he may teach both undergraduate and graduate courses in fields such as leadership, logistics, directed energy or hypersonics.

---



Los Angeles County Sheriff Robert Luna has created the Office of Constitutional Policing within the Sheriff's Department, and has appointed **Eileen Decker**, MA in Homeland Security Studies '14, as its Director. The Office of Constitutional Policing will play an important role in eradicating deputy gangs from the Department, in collaboration with the Undersheriff, the Civilian Oversight Commission and Inspector General; in bringing the Department into compliance with consent decrees; and in improving policies, procedures, and operations to ensure the Department is engaging in constitutional practices.

"I'm very pleased to appoint Eileen Decker as the Director of the Office of Constitutional Policing at the Sheriff's Department," Sheriff Luna said. "Director Decker is one of the top civilian law enforcement professionals in our country, and an accomplished attorney. She will bring invaluable leadership to our office, and help us improve public safety and public trust in the Sheriff's Department."

---

Capt. **Steve Djunaedi**, EMBA '13, became Naval Air Station Oceana's 48th commanding officer during a change of command ceremony at the Center for Naval Aviation and Technical Training Unit on February 24, 2023. He will relieve Capt. Bob Holmes, the base's commanding officer since Aug. 5, 2021. Djunaedi assumes the position of commanding officer of the East Coast's hub of naval aviation after a stint as the installation's executive officer. Djunaedi graduated from the United States Naval Academy in 1997 with a bachelor's degree in political science. He was designated a Naval Flight Officer in April 1999.



Defense Contract Management Agency's Aircraft Integrated Maintenance Operations (AIMO) Commander, Navy Capt. **Jeffrey Carty**, MS in Aeronautical Engineering '03, is signing off after 29 years of service. During his time as a naval flight officer, he flew the S-3B Viking during four deployments, and served as an instructor at the U.S. Naval Test Pilot School at Patuxent River, Maryland. Throughout his honorable career, he flew multiple aircraft to include the Mirage 2000 in Istres, France, the F-111 in Darwin, Australia, and a number of helicopters and turboprops. Carty, whose call sign is Waldo, utilized his aviation skills at the Defense Contract Management Agency in several positions. He has served as DCMA's Aircraft Integrated Maintenance Operations commander based in St. Augustine, Florida, since March 2020.

**James Novak**, MS in Physical Oceanography '99, recently opened his second Chick-fil-A location in Oklahoma City. "I am looking forward to growing Chick-fil-A's presence in the Oklahoma City area and showing ongoing care for our guests," said Novak, owner/operator of the restaurant. "Rockwell North provides another opportunity for us to create a positive influence with all who come in contact with our restaurants, and I cannot wait to officially open our doors and meet more of the community we serve." Chick-fil-A Rockwell North is going to recognize 100 local heroes who are making an impact in the Oklahoma City area by giving them free Chick-fil-A for a year.



[Submit an Alumni Update](#)

[Meet more Students & Alumni: Faces of NPS](#)

---

### **In Memoriam:**

**Anthony "Tony" Pollman**, 47, passed away Wednesday, February 1, 2023, surrounded by family in his hometown of Ocone. He was born December 12, 1975 in Decatur, IL, son of the late Robert "Mike" Pollman & Marie (Pastor) Pollman.

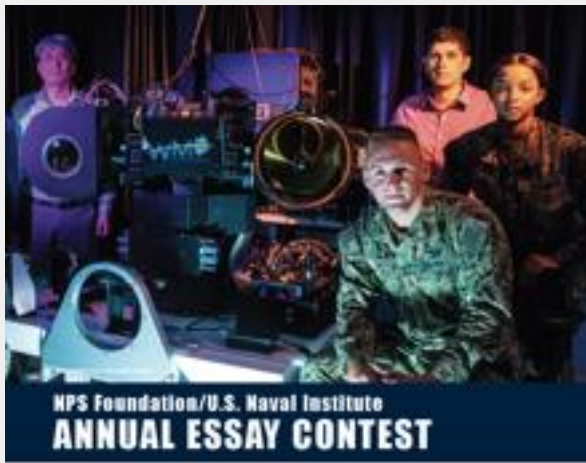
Tony enlisted in the United States Marine Corps after graduating from Pana High School in 1994, faithfully serving our country for over 20 years. He received his bachelors and masters in nuclear engineering from Purdue University in 2004 and was commissioned using his close friend Ryan Leduc's lieutenant bars by his father and Nola Nash. Tony continued his education while in the Marine Corps, receiving his PhD in mechanical engineering from the University of Maryland in 2011 and his EMBA from the Naval Postgraduate School in 2015. During his years in the Marine Corps, he was the head of the Iraqi Provincial Security forces communications branch, he served as an aide to General Richard Mills, taught physics at United States Naval Academy, and was the Deputy Marine for Research and Military faculty at NPS. In 2017 after his retirement from the Marine Corps, Tony became a civilian instructor at NPS in systems engineering, recently earning



tenure. We mourn this tremendous loss to our NPS community and extend our thoughts and prayers to Professor Pollman's family.

It is with deep sadness that we mourn the passing of **Adam Taft**, 35, a valued member of CHDS Cohort 2203/2204. Adam was a husband and father to two young children, and a respected career firefighter and emergency responder. His commitment to his community and his profession was evident to all who knew him. Until very recently, he had been Staff Captain/Emergency Management Planner and Domestic Security Coordinator assigned to the Palm Beach County, Florida, Fire Rescue (PBCFR) agency.

Adam was known to his classmates as a true friend and colleague, and his loss is deeply felt by the NPS and CHDS community. We extend our deepest condolences to Adam's family and friends during this difficult time.



**NPS Foundation/U.S. Naval Institute  
ANNUAL ESSAY CONTEST**

**PURPOSE:** The NPS Foundation/U.S. Naval Institute Annual Essay Contest is jointly sponsored by the NPS Foundation and the U.S. Naval Institute to encourage writing for publication and critical thinking among students, faculty, and staff at the U.S. Naval Postgraduate School. Essays should be based on thesis, research, or operational experience that best advances the military profession.

**ELIGIBILITY:**

**FOR NPS STUDENTS**  
The essay can be directly related to a thesis or recent operational experience.

**FOR NPS FACULTY OR STAFF MEMBERS**  
The essay could address an issue of particular relevance to the military profession.



**PRIZE: \$1,000**

**DEADLINE: 31 March 2023**  
The winner will be published in *Proceedings* and recognized by the Naval Postgraduate School.

**SUBMISSION GUIDELINES**

- Open to NPS students, faculty, and staff
- Essays must be no more than **5,000 words** (including footnotes, endnotes, and appendix)
- Include word count on title page of essay that do not include author's name(s) on title page or within essay
- Submit essay as a Word document online at [www.usni.org/napnaweb](https://www.usni.org/napnaweb)
- Essays must be original and not published (online or in print) or being considered for publication elsewhere

For more details, please visit [www.usni.org/napnaweb](https://www.usni.org/napnaweb)



## NPS Foundation/ U.S. Naval Institute Essay Contest

The submission window is open through **March 31 for the 2023 NPS Foundation/U.S. Naval Institute Annual Essay Contest**. This jointly sponsored essay contest encourages writing for publication and critical thinking among students, faculty, and staff at the Naval Postgraduate School. **\$5,000 prize.**

Essays should be based on thesis, research or operational experience that best advances the military profession.

[Learn more and submit your essay.](#)

## Upcoming Events



### Alumni Event at Sea-Air-Space

Join fellow NPS alumni, NPS representatives, industry partners and the NPS Foundation in the Gaylord National Resort & Convention Center Lower Atrium on Day 1 of Sea-Air-Space, Monday, April 3 for hosted refreshments socializing and networking!

Learn more about [Sea-Air-Space](https://npsfoundation.org/alumni-events).

**RSVP**

---

### 20th Annual Acquisition Research Symposium

May 10-11, 2023

[Join a diverse group of acquisition professionals in Monterey](#) for a research-focused forum that connects scholars, practitioners, and policymakers from around the world who are delivering acquisition research and warfighting solutions.

#### **Keynote Speakers Include:**

The Honorable William LaPlante, Under Secretary of Defense for Acquisition & Sustainment

The Honorable Nickolas H. Guertin, Director, Operational Testing and Evaluation, Office of the Secretary of Defense

**Register to Attend**

---

### Spring Naval Artificial Intelligence Summit

March 13-17, 2023 [Learn more.](#)

### **NPS Winter Graduation**

March 24, 2023 [Watch live.](#)

## In Case You Missed It:

### **Gamified Learning Can Be Effective**

*Lt. Col. Daniel J. Finkenstadt, U.S. Air Force, and Dr. Erik Helzer*

Gamified learning is ripe for future development, research, and investment. Our team at NPS is working to build new games related to acquisition sciences. We anticipate a future in which a range of curricula is offered to students through a suite of options—an app store. ...Our findings suggest that gamified learning as an augmentation tool may be the best approach for most situations and curricula.

Various cells in and outside the United States Department of Defense are working on games to promote learning in military education, including the Naval Postgraduate School, Air University, North Carolina State University, Defense Acquisition University, Defense Language Institute, and a small band of organic developers within the Air Force Installation Contract Center. Each is working independently with limited cross-talk. But as Lt. Col. Finkenstadt and Dr. Helzer note in their Proceedings Magazine article, "the opportunity for collaboration is at our fingertips. The time is ripe for researchers across the defense enterprise to "level up," making the potential of game-based learning a reality for military education. [Read more.](#)

---

### **Special Operations Forces Require Greater Proficiency in Artificial Intelligence**

*By Kelley Jhong, a U.S. Army Psychological Operations officer with operational experience in the Indo-Pacific region. A recent graduate of the Naval Postgraduate School, she researched how special operations forces should evaluate AI for operations in the information environment.*

Now is the time to seriously consider the inclusion of AI education across the special operations enterprise as the command conducts a review of professional military education opportunities as part of the [2023 National Defense Authorization Act](#). The importance of "cultivating Special Operations Force technical skills" was already identified in the [2022 National Defense Authorization Act](#), which states that "certain niche technical skills," including machine learning and artificial intelligence, "are essential to the conduct of irregular warfare." The act further calls for the Department of Defense to assess "efforts to grow the training infrastructure for their STEM [and especially AI] workforce." [Read more.](#)

---

## **Adapting Navy Medicine for Future Warfighting: Scenario Thinking for Combat Casualty Care**

*By Art Valeri, Jay Yelon, Juanita Hopkins, and Seamus Markey This article resulted from a group project for Naval Postgraduate School course GB3400: [Critical Thinking for Strategic Leadership](#). The course is centered on students developing their critical and strategic thinking skills, and to better understand how to use critical thinking as a tool for strategic leadership in and of organizations and its importance for national security.*

Many variables can influence the direction of combat casualty care for the next conflict. Over the past twenty years, the U.S. military has provided state-of-the-art trauma care in a land-based conflict, resulting in the development of a highly functioning trauma system. The mandate from the Secretary of Defense requiring access to surgical care within 60 minutes (the Golden Hour) nurtured an environment requiring high numbers of tactically distributed medical providers and the necessary support to achieve this benchmark. The patient outcomes demonstrate the effectiveness in which there was an unprecedented 94 percent survival rate if a wounded service member made it to surgical care within an hour of injury. Limiting the U.S. strategy to similar scenarios would be shortsighted. The top two trends that would likely have the biggest impact would be location of conflict (land vs. sea-based) and illness type (trauma vs non-trauma). [Read more.](#)

---

## **Let Marines Fight Submarines**

*By Captain Karl Flynn, U.S. Marine Corps, Flynn is an applied physics student at the Naval Postgraduate School.*

Following the end of the Cold War, the U.S. Navy's antisubmarine warfare (ASW) capability declined because of the lack of threat once posed by the Soviet Navy. Since then, the People's Liberation Army Navy (PLAN) submarine force has steadily grown in quality and quantity over the past three decades and is now fielding modern submarines with more capabilities. The PLAN will soon have more submarines than the U.S. Navy. While many of China's older submarines are less capable than their U.S. counterparts, the Navy must maintain a global presence while the PLAN can keep its focus closer to home. To counter the PLAN threat, the Navy must revitalize its ASW capabilities by leveraging new capabilities currently undergoing testing and development by the Marine Corps. [Read more.](#)

---

## **Women in the military: Moving beyond 'firsts'**

*By Gen. Jacqueline Van Ovost*

Additionally, we must encourage women to turn their passion into their power, distilling in them the understanding they are as competent as others know them to be. It takes different perspectives to provide better solutions; it will take the best ideas from the brightest minds to prevail in tomorrow's fight. We cannot afford to limit anyone. Simply put, this is a warfighting imperative.

We have come a long way to overcome gender-based discrimination, but there will always be room to grow. This March serves as a reminder to find inspiration in those who advocate for change and aim to shift our culture.

Be intentional about encouraging your peers and mentoring those following your path. It will take continuous engagement to reach a place where there are no more "firsts" or "onlys" left ... where women are simply a foundational part of every team at every level — before, beside and behind each of us. [Read more.](#)

---

#### **Faces of NPS: Acquisition – Impact in the Indo Pacific**

**China outpacing US in critical tech research 'should be a wake up call': report**

**The U.S. Is Not Yet Ready for the Era of 'Great Power' Conflict**

**China's Ukraine Peace Plan Is Actually About Taiwan**

**National Guard Major General Taps CHDS Master's Thesis for National Leadership**

**America's lead in advanced computing is almost gone**

**WATCH: Building a More Resilient Indo-Pacific Security Architecture: A Conversation with DOD's Ely Ratner and Lindsey Ford**

**Is China Providing Russia With Military Support? It's Hard to Tell, and That's the Point**

**Biden team unveils new anti-cyberattack strategy**

**China Select Committee hearing highlights partisan divide on Beijing-countering strategy**

---

## SHOP NPS GEAR ONLINE



In-store pick-up available for local orders. The shop is now open Monday through Friday from 10 a.m. to 4 p.m. Questions about the shop or the merchandise available? Contact the Peacock Shop [Manager](#).

**Shop NPS Gear**

## REVIEW THE NPS FOUNDATION



Have you attended America's Heroes Golf Tournament or Grand Winter Ball? Are you a member of an NPS Foundation Club? If you have experience with the Naval Postgraduate School Foundation please consider leaving us a review.

**Write a Review**

## "PATHWAY TO THE FUTURE"



Make your mark on the NPS campus with a custom brick on our "Pathway to the Future," a unique, lasting way to remember and mark your connection to NPS.

**Design Your Brick**

**Connect with us!**



**Your gift helps produce the Leaders, Technologies, and Ideas  
our Nation needs to keep our service members  
safe abroad and us all safe at home.**



Thank you for your generosity!

**Make a Donation**

[Unsubscribe](#)

Naval Postgraduate School Foundation & Alumni Association

Physical Address: 283 Cottage Way Monterey, CA 93943 - Mailing Address: PO Box 8626  
Monterey, CA 93943

---

Naval Postgraduate School Foundation is a non-federal entity. It is not a part of the Department of Defense or any of its components and it has no governmental status.

