



JULY 2022

Check out our brand new website!



Where Science Meets the Art of Warfare.

We are excited to debut the Naval Postgraduate School Foundation & Alumni Association's [brand new website](#)!

Through refreshed and relevant content, this new site is representative of the NPS Foundation's support of the Naval Postgraduate School and communicates the impact of NPS on the Naval and Joint Force by highlighting students, faculty and alumni, innovative research, and strategic partnerships. [View the new website here.](#)

**Meet Students & Alumni in the new
Faces Portal!**

**Learn more about opportunities and
achievements with industry.**

3D Printing Metal Parts on a Ship What Does the Navy Require to Make the Dream a Reality?



Senior level military members are constantly evaluating risk and finding ways to articulate and mitigate risks on the battlefield. When it comes to new technology adoption and consideration, these same leaders must take a similar approach to justify spending taxpayer dollars and implementing new processes to improve operational outcomes.

In order to explore the potential of 3D metal printing on U.S. Navy vessels, and at forward-deployed

locations, the Naval Postgraduate School (NPS) in Monterey, California entered into a Collaborative Research and Development Agreement (CRADA) with Xerox. The agreement led to the installation of Xerox's ElemX Liquid Metal 3D Printer at the NPS campus, providing a unique test platform in a defense-focused, academic research environment. Operating with aluminum wire feedstock, the ElemX is engineered to be a safer option for deployable scenarios.

Having immediate access to agile production equipment, such as additive manufacturing, can provide rapid logistics capabilities, overcome supply chain bottlenecks, and maximize battlefield readiness.

Through a partnership with Xerox, students and faculty at the Naval Postgraduate School are exploring new ways the ElemX technology can deliver on-demand 3D printing of parts and equipment anytime and anywhere, and strengthen the defense industry supply chain in austere operating environments.

What's next for the partnership? The installation of the ElemX aboard a Navy ship in the near future.

[Read more](#) about how these at-sea trials can pave the way for future operational resiliency in the US Navy and United States Marine Corps.

Former Apple Vice President & Corporate Treasurer joins NPS Foundation Advisory Council



Gary Wipfler retired from his position as Vice President and Corporate Treasurer, Apple in October of 2021 after 35 years with the company. As VP & Treasurer at Apple, Wipfler was responsible for the company's cash and investments, foreign exchange, treasury operations, corporate finance, risk management, investor relations, credit/debit card payment platforms, and capital structure including debt issuance and return of capital. In addition to these activities, Wipfler spent his last two years at Apple forming and co-chairing Apple's Environmental, Social and Governance (ESG) Steering Committee.

Wipfler's wealth of experience will be a great asset to the Naval Postgraduate School Foundation and reinforces the Foundation's commitment to financial stewardship and ESG analysis and responsibility. Wipfler

joins at an exciting time for the Foundation as we advance transformative initiatives including the Applied Design Center for Technology, Human Enhancement Research Group and continued Defense Innovation Funding for innovative NPS faculty and student research projects. [Read more and meet the rest of our Advisory Council.](#)

Trident Room Podcast Episode 29: Sam Buttrey – Mastering the Buzzer



Watch a clip from the Foundation's interview with Dr. Buttrey

Acquisition Leaders Focus on Interdisciplinary Research During 19th Annual NPS Symposium



academics, and of course NPS students, all under the theme of “Creating Synergy for Informed Change.”

The event hosted two keynote speakers who are at the leading edge of acquisition for the United States: the Honorable Andrew Hunter, Assistant Secretary of the Air Force for Acquisition, Technology and Logistics, and Mr. Tommy Ross, Assistant Secretary of the Navy for Research, Development and Acquisition, the Navy’s chief acquisition officer.

Hunter’s remarks identified Air Force priorities as they relate to acquisition, including the need to divest older systems to invest in newer capabilities. He also walked through Secretary Frank Kendall’s seven

The Naval Postgraduate School’s [Acquisition Research Program](#) and [Naval Warfare Studies Institute](#) recently held their 19th Annual Acquisition Research Symposium. The annual symposium was once again hosted virtually by NPS in an effort to open up the discussion on the future of acquisition to the broadest audience possible, including defense and industry leaders,

operational imperatives, which are driving the Air Force acquisition system and are being worked in collaboration with service chiefs for the Air Force and Space Force.

Ross chose this event for his first official speaking engagement in his new role performing the duties of the Assistant Secretary of the Navy for Research, Development, and Acquisition. His comments and conversation made clear how his job as Chief of Staff to the Secretary of the Navy has given him a broad picture of the Navy's capabilities and priorities and how they should be applied to acquisition researchers. [Read more.](#)

Alumni Spotlight

Two NPS alumni inducted into NASA Hall of Fame

NASA Astronauts and retired Navy Captains **David Leestma**, MS in Aeronautical Engineering '72, and **Chris Ferguson**, MS in Aeronautical Engineering '91, were inducted on June 11 into the prestigious U.S. Astronaut Hall of Fame – marking the 20th class of honorees. NASA Astronaut Dr. Sandra Magnus was also inducted as part of the 20th class.

"As we embark on the next generation of space travel, it's critical to recognize the space pioneers who have dedicated their careers to furthering the space program's mission," said Therrin Protze, chief operating officer, Kennedy Space Center. "Each of these astronaut veterans has made extraordinary contributions to space exploration. We're honored to welcome them into the U.S. Astronaut Hall of Fame."

Leestma was selected as an astronaut in 1980 and subsequently flew three space shuttle missions – STS-41G, STS-28 and STS-45. Leestma's three space flights gave him a unique background that enabled him to perform in various NASA executive positions after retiring from the Astronaut Office and the Navy. Leestma retired in 2014 after 35 years with NASA and 47 years of government service.

Ferguson was pilot of STS-115, commander of STS-126 and his final shuttle mission, STS-135. He has logged more than 40 days in space and 5,700 hours in high-performance aircraft. He also served as deputy chief of the Astronaut Office and was spacecraft communicator for the STS-118, -120, -128 and -129 missions. Ferguson is currently the flight crew representative for Boeing's Commercial Crew Program. In this role, Ferguson ensures the CST-100 Starliner spacecraft and training systems meet the needs of NASA's astronauts.



Niko King, Master's in Homeland Security Studies '17, has been selected to become the next fire chief of Laguna Beach. King was sworn in at a ceremony at Council Chambers, July 5. King's previous role was as Sacramento's deputy fire chief of operations.

"I am excited and honored to be selected to serve as the next chief for the Laguna Beach fire department," King said in a statement. "I look forward to working with the great men and women of the fire department, the city's leadership team, local residents and business owners in continuing to ensure the department carries out its mission at the highest level."

Naval Supply Systems Command (NAVSUP) Fleet Logistics Center (FLC) Bahrain held a change of command ceremony during which Capt. **Alex D. Wallace, III**, MBA '10, relieved Capt. **Timothy R. Griffin**, MBA '08, as commanding officer on June 23, 2022, at Naval Support Activity Bahrain. Griffin's next assignment is the director of subsistence supply chain for Defense Logistics Agency Troop Support in Philadelphia, Pennsylvania.

Wallace is the sixth commanding officer of NAVSUP FLC Bahrain since its establishment in 2013 as the eighth Fleet Logistics Center. Before assuming his new position, Wallace served as the Director of Contracts for Strategic Systems Programs in Washington, DC, since July 14, 2020. After enlisting in 1993, he graduated from Broadened Opportunity for Officer Selection and Training in 1996, and was commissioned through the Naval Reserve Officer Training Corps Program at Auburn University.



U.S. Navy Cmdr. **Karen Teague**, MS in Operations Research '13, left, the incoming commanding officer of Naval Technical Training Center Meridian, salutes Capt. Robert Stockton, Center for Service Support commanding officer, during the change of command ceremony onboard Naval Air Station Meridian Friday. Looking on is Cmdr. Christy Sibley, the outgoing commanding officer of NTTC. NTTC is the schoolhouse for enlisted Sailors and Marines who report directly from boot camp to learn a specialty in a field supporting the aviation community. Nearly 3,000 Sailors and Marines graduate from the school each year.

U.S. Army Col. **Robert McChrystal**, MA in National Security Affairs '10, took command of the 2nd Cavalry Regiment during the regimental change of command ceremony at Grafenwoehr, Germany, June 10, 2022. The Dragoons bid farewell to Col. Joseph M. Ewers, and his family, and welcomed McChrystal as the 82nd Colonel of the Regiment.

McChrystal most recently served as the Deputy Commander for the 75th Ranger Regiment. He previously commanded 2D Battalion, 75th Ranger Regiment and 1st Battalion, 508th Parachute Infantry Regiment, 3rd Brigade Combat Team, 82nd Airborne Division.



On June 30, Boston Mayor Michelle Wu announced the appointment of longtime Boston firefighter **Paul F. Burke**, MA in Homeland Security '17, as Commissioner of the Boston Fire Department.

Commissioner Burke has been a member of the Boston Fire Department for 32 years, having served in multiple leadership capacities. Most recently he served as Deputy Chief, Fleet and Facilities where he was responsible for all Boston Fire Department vehicles and buildings, including budget, purchases, maintenance, safety, and renovations.

Rear Adm. **Keith “Brownie” Hash**, MS in Aerospace Engineering '02, relieved Rear Adm. Scott “Marshal” Dillon as Naval Air Warfare Center Weapons Division commander in a ceremony at Naval Air Weapons Station China Lake, California, on June 30.

Hash addressed the NAWCWD team, “I am honored to become your commander today. As we watch the growing global competition, we must take on an even greater sense of urgency and deliver these outcomes with greater speed and efficiency. I look forward to the challenge before us, and I am confident this team will deliver.”



The Ohio-class ballistic-missile submarine USS Maryland (SSBN 738) Blue Crew held a change of command ceremony onboard Naval Submarine Base Kings Bay, Georgia, Jul.

1. Cmdr. **Michael Graham**, MS in Physics '05, relieved Cmdr. Darrell Brown as the commanding officer of the ship’s Blue Crew. Graham is from Austin, Texas. He graduated from the U.S. Naval Academy with a Bachelor of Science in physics. In his speech to the crew, Graham said in just a short time, he is already impressed with the Blue Crew Sailors.

“Your professionalism, competence, and eagerness to become better warfighters excites me,” said Graham to the crew. “I’m looking forward to meeting everyone over the coming weeks and continuing Maryland’s tradition of excellence.”

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

OPEN TO THE PUBLIC!



Evening with Peyton Manning

OCTOBER 11, 2022

Spend a fabulous evening with Legendary quarterback Peyton Manning at Monterey Peninsula Country Club on October 11, 2022. This two-time Super Bowl Champion, five-time Most Valuable Player has earned his place among the greatest quarterbacks in league history.

Known as a great motivator on and off the field, Manning will share his own experiences and insight on teamwork, leadership and motivation. Feel free to share this event with friends. [Tickets available here.](#)

[Purchase Tickets](#)

In Case You Missed It:



[Space Underpins all Instruments of National Power Raymond Tells Graduates](#)

“The Naval Postgraduate School educates you on how to think, how to analyze a problem, and this provides profound value to our entire Joint Force and to the Space Force in particular,” Raymond said. “It allows cutting edge advancement in research and

development. It creates leaders who can think their way out of problems, like how does one stand up a lean new high-tech service?"

[Faces of NPS: Global Impact](#)

[NWSI Hosts US Naval Institute Leader for Latest Seapower Conversation](#)

[The Risk of Russian Cyber Retaliation for the United States Sending Rockets to Ukraine](#)

[Coronado's "Avenue Of the Heroes"... VADM Ingolf N. Kiland, USN](#)

[NIWC Atlantic Hosts International Symposium on Information Warfare](#)

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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](#).

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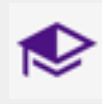
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