



Naval Postgraduate School
Foundation
& Alumni Association



MISSION IMPACT 2022

JULY 2021 - JUNE 2022



TABLE OF CONTENTS

Message From Leadership	4
Who We Are	6
About the Naval Postgraduate School	9
Areas of Support	10
Institution	12
Athena	12
Naval Innovation Center	13
Research	14
Corporate Partnerships	14
Defense Innovation Fund	15
People	16
Alumni Association	16
Clubs	17
Other Initiatives	18
Ways to Give	20
NPS Impact	22
The Research	22
The People	23
Financials	24
Program Expenses	24
Income & Expenses	25
Leadership	26
Board of Trustees	26
Advisory Council	27

OUR NATIONAL SECURITY IS AT RISK

MESSAGE FROM LEADERSHIP

The challenges facing our Nation are both diverse and complex, ranging from sophisticated cyber attacks to energy shortages and supply chain risks, and from defending against hypersonic missiles to responding to biological threats. Strategic competitors to the United States and belligerent non-state actors have greater access to commercial state-of-the-art technologies than ever before and are wielding these technologies to disrupt America’s interests, national security and our citizens’ personal security. The rise of an increasingly aggressive People’s Republic of China and a disruptive Russia pose a clear and present danger to the U.S. and its allies and to a free and secure international system. From Russia’s invasion of Ukraine to China’s Belt and Road Initiative, world governments stand at an inflection point.

This myriad of threats requires the U.S. military to be able to deter and defeat enemies in multiple domains: sea, sub-sea, air, land, space and cyber. To meet this requirement, it is imperative that our Nation harnesses and leverages a collaborative and innovative academic ecosystem. Through applied research and education designed to understand and solve the toughest challenges facing our Department of Defense, the Naval Postgraduate School delivers ethical and technical leaders equipped to operate in the face of rapid global change. NPS delivers warfighting solutions to the Navy, Marine Corps and Joint Force through threat-informed, interdisciplinary projects that leverage the school’s unique combination of operationally experienced students, expert faculty and private sector partnerships.

National security is a shared responsibility. The Naval Postgraduate School Foundation is the nexus between the DOD, industry, academia and our community in support of national security and an innovation ecosystem that will create enduring advantages. Our partnership with the Naval Postgraduate School is as strong as ever, as we work together on the transformation of the school to better serve the DOD with national security research and solutions, and to better serve our military students and their families. We pledge to support NPS as it attacks global challenges and develops military leaders, better preparing our Nation to face the uncertainties of tomorrow.



RICH PATTERSON
PRESIDENT/CEO



HANK PLAIN
CHAIR, BOARD OF TRUSTEES

“The People’s Republic of China is combining its economic, diplomatic, military, and technological might as it pursues a sphere of influence in the Indo-Pacific and seeks to become the world’s most influential power.”

Indo-Pacific Strategy of the United States, Feb. 2022

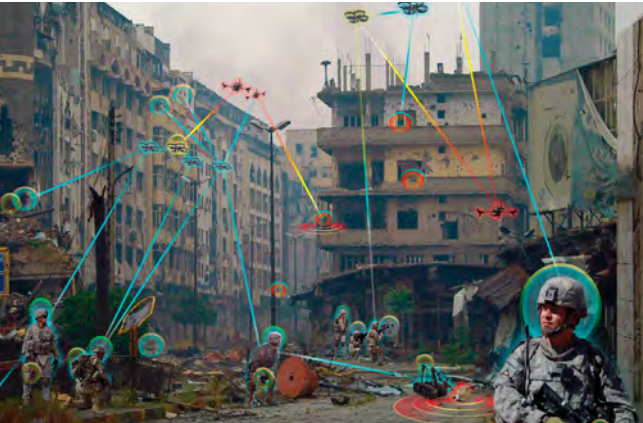


“In an increasingly complex and interconnected world, in which technology is advancing at an unprecedented speed, collaboration between the public and private sectors has grown ever more important... The stakes could not be higher, and this is too big a job for government to do alone.”

Michael Bloomberg
Chair, Defense Innovation Board

“The demands of the present era call for new operational concepts, increasingly joint operations, and quickly fielding emerging science and technology opportunities.”

Heidi Shyu
Under Secretary of Defense for Research and Engineering



“We will act with urgency to build enduring advantages for the future Joint Force, undertaking reforms to accelerate force development, getting the technology we need more quickly, and making investments in the extraordinary people of the Department.”

Lloyd Austin III, Secretary of Defense
2022 National Defense Strategy

WHO WE ARE

NAVAL POSTGRADUATE SCHOOL FOUNDATION

The Naval Postgraduate School Foundation provides that margin of excellence to the Naval Postgraduate School by providing rapid support to NPS research, facilities and initiatives without the constraints of government funding. The NPS Foundation improves quality of life for NPS students and their families and supports NPS research, partnerships and programs critical to our Nation’s advantage and security.

Capitalizing on 50 years of partnership with NPS, the NPS Foundation revealed a new brand mark and identity in July 2021, representing a renewed commitment to our partnerships with the Naval Postgraduate School and industry partners and a transformative vision for the future of the institution.

Meeting the challenges on the horizon will require the Naval Postgraduate School to expand its applied and interdisciplinary research functions, grow a culture of experimentation, and expedite capability development across all domains while developing agile, innovative leaders.

The NPS Foundation & Alumni Association will continue to connect with the best industry partners in critical emerging technology areas, endow modernized and new on-campus facilities, invest in research by our Nation’s brightest to transform ideas into scalable national security advantages, and fund NPS’ strategic initiatives critical to advancing the operational effectiveness, technological leadership and warfighting advantage of our Joint Forces.

WHY DOES THE NAVAL POSTGRADUATE SCHOOL NEED PRIVATE FUNDING?

Your donation makes the Naval Postgraduate School better.

Similar to civilian colleges and universities, NPS needs private support to sustain and expand key programs that advance quality of life for students and faculty, engage the community and advance innovative research.

Unlike with traditional universities, your donation to the Naval Postgraduate School Foundation is a direct investment in strengthening national security and developing future leaders of our Department of Defense and Department of Homeland Security. Your investment today will yield impactful warfighting results essential to national security now and into the future.

The Naval Postgraduate School Foundation is able to step in when federal funding is unavailable, unable to support a specific project, or moving too slowly.

Similar to a venture capital model, we invest in research, facilities and programs through proof of concept and until government funding is available.

The Foundation’s flexibility allows us to fill gaps that would otherwise halt research and programs critical to our Nation’s advantage and improve quality of life for students, their families and NPS alumni through recreational clubs, activities and community-building events.





Watch the Video! 



ABOUT

NAVAL POSTGRADUATE SCHOOL

Only the Naval Postgraduate School synchronizes student operational experience and graduate education with applied research and faculty expertise to deliver twice the return on education investment for the Department of Defense: relevant warfighting solutions and leaders educated to employ them.

- The student body consists of officers and noncommissioned officers from the six U.S. armed services, officers from approximately 40 partner countries, and civilian federal and state employees.
- More than 2,000 resident and DL degree students are enrolled annually with hundreds more earning certificates in STEM subjects such as AI, autonomy and data science.
- An average of 10-15 patent-eligible technologies are delivered annually.
- It is the only institution of its kind oriented toward the Pacific and our Nation's pacing threat in the Indo-Pacific region.
- NPS is a vital component of the Central Coast NavalX Tech Bridge community and has partnerships with over 100 companies leading innovation for defense, climate, technology and more.
- NPS' location makes it a natural nexus between DOD, Silicon Valley, the West Coast innovation ecosystem, and civilian research universities.

The diversity of student experiences, faculty expertise and industry partners supports the collaborative environment necessary to solve the complex problems facing our Nation and our allies and to deliver relevant, agile and scalable solutions to the Department of Defense.

NPS INSTITUTIONAL PRIORITIES

Each year, NPS outlines its institutional priorities. These priorities reveal where the NPS Foundation will concentrate our support to the school for the coming year. While priorities change from year to year, the mission of the school and the effects of our support do not. Together, we are enhancing quality of life for students and their families, strengthening our military capability, and funding essential programs to hasten innovation in our Department of Defense.

2021-2022 PRIORITIES

ONGOING

- The Sea, Land, Air Military Research (SLAMR) facility
- The Human Enhancement Research Group (HERG)
- Defense Innovation Research Support
- Great Power Competition Education

NEW

- A Naval Innovation Center at NPS
- The CAPT Wayne P. Hughes, Jr. Naval Warfare Studies Institute Initiatives related to Wargaming, Emerging Technology, Warfare Domains and Disciplines
- "Athena" Research, Discovery and Collaboration Tool
- Strategic Communications promoting NPS Institutional Advancement
- Strengthen NPS Alumni Community
- Expanding Collaboration Opportunities for NPS Faculty and Students

AREAS OF SUPPORT

The Naval Postgraduate School Foundation provides that margin of excellence to the Naval Postgraduate School by providing rapid support of NPS initiatives when government funding is unavailable, unable to support a specific project, or moving too slowly. We focus on institutional priorities that Strengthen NPS Core, Enhance NPS Competitiveness, and Increase NPS Impact.

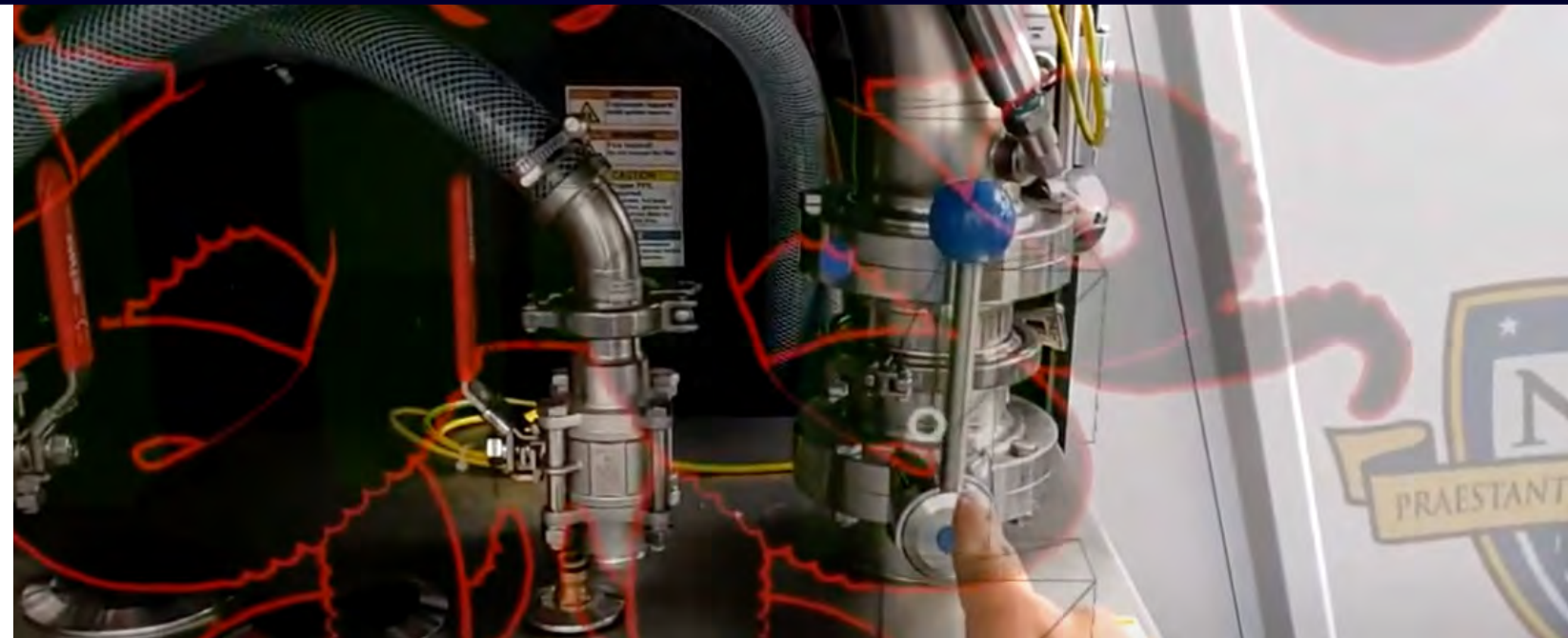
INSTITUTION

By funding innovative national security research through our Defense Innovation Fund and Seed Program, the Naval Postgraduate School Foundation creates opportunities for NPS and the DOD to develop capabilities before they are needed. These programs allow private funding to propel innovation quickly and directly in the Department of Defense and strengthen our national security. The research we help fund is at the forefront of responding to the new threats facing our country.

RESEARCH

The Naval Postgraduate School Foundation funds programs that enhance quality of life for NPS students and their families, faculty, and alumni. For current students, we create a community around shared interests through a wide variety of recreational, student-run clubs, hosted social and networking events, and on-campus resources. For graduates, the Alumni Association connects NPS' distinguished alumni community across the world.

PEOPLE



INSTITUTION

FEATURED INITIATIVE PROJECT ATHENA

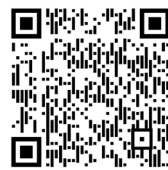


STRATEGIC NEED

The national security challenges we face require close collaboration across domains, disciplines and services to spur innovation across the Joint Force. The time for siloed research and development is long past.

THE BACKGROUND

To enable the national security innovation ecosystem and address the challenge of disconnectedness across the DOD and academia, the NPS Foundation is developing Athena in partnership with Microsoft and the Naval Postgraduate School. The concept and subsequent development for Athena was initiated by a student in 2019 with aspirations to help NPS students increase the impact of their research by creating a search engine to link experts to operators to solve operational needs.



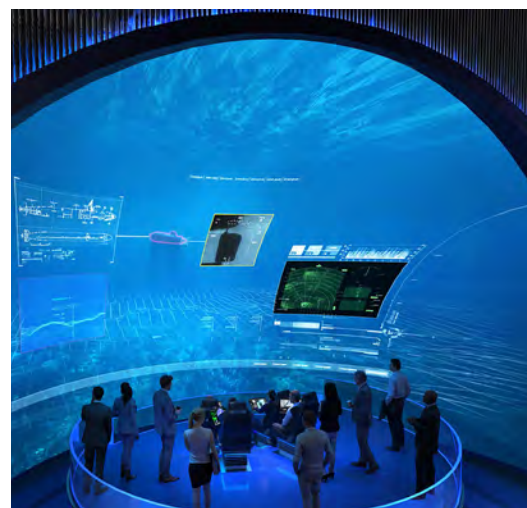
LEARN MORE

THE IMPACT

Athena is a collaborative research application built to empower researchers, sponsors and leaders across the Naval Education Enterprise and the Department of Defense to access and query information currently stored in numerous separate databases by use of keywords, topics of interest, service priorities and other filters. It provides a unified perspective of proposed, in-progress and completed research. Athena, built on Microsoft Azure and Microsoft Teams, assures security, enhances scalability and delivers content across all devices. Athena enables leaders at every level to see who is doing the work in their area of interest, connect with the right people, and create collaboration between disparate groups to solve the hardest and highest priority challenges facing our Nation.

During the 2022 fiscal year, the Naval Postgraduate School Foundation invested over \$550,000 and thousands of volunteer hours on the design, development and hosting of Athena. In June 2022, Athena 1.0 was gifted to and accepted by the Naval Postgraduate School with the goal of rolling out to the student body in early 2023. Athena 2.0 is currently in beta testing on the NPS Foundation tenant, using NPS community input to improve the product, add new features and introduce other organizations.

FEATURED INITIATIVE A NAVAL INNOVATION CENTER AT NPS



STRATEGIC NEED

Tomorrow's conflicts will be more integrated, autonomous, and agile than any in our history. Our Nation's adversaries exploit the seams between domains to disrupt and preempt effective action. Victory in multi-domain battle requires forces manned, trained and equipped to achieve competitive overmatch against our foes. In order to best educate and prepare NPS students for 21st century warfare, a modern, state-of-the art, educational venue is required.

THE BACKGROUND

In early 2020, the leadership of the Naval Postgraduate School determined that the organization and the Department of the Navy at large must modernize to adapt to an increasingly complex and uncertain future. The NPS Foundation engaged Applied Minds (AMI) to support the creation of a forward-leaning vision for the school and design an innovative facility to turn that vision into reality.

THE IMPACT

Deliberately designed to prioritize collaboration, hands-on experimentation, advanced analytics, autonomous technologies, increasingly classified work and immersive demonstrations, the innovation center will be optimized to create solutions with direct relevance to the fleet, while sustaining long-term thinking for the future of the Navy and broader Department of Defense.

The Naval Innovation Center relies on a network of stakeholders with equity in the technological advancement of our military, a transformation in professional military education, and our Nation maintaining an intellectual and technological edge over our adversaries. As a jointly resourced initiative, the innovation center will require funding from government entities as well as private donations and corporate partners to outfit and sustain the facility with state-of-the-art technology. **The Naval Postgraduate School Foundation has invested over \$1.5 Million in the planning and development of the Naval Innovation Center vision and has committed to work alongside NPS in the advocacy, development and funding of a Naval Innovation Center at NPS through its completion.**



FEATURED INITIATIVE
CORPORATE PARTNERSHIPS



STRATEGIC NEED
National Security is a shared responsibility. The U.S. Department of the Defense cannot be at the mercy of tech innovation and conversely, private industry needs to know how to meet the needs of the DOD. NPS has the expert faculty, operationally experienced students, and intimate knowledge of the challenges and opportunities that the DOD faces, as well as the ability to work in both classified and unclassified settings.

THE BACKGROUND
The NPS Foundation supports NPS by funding research, mentoring, and scouting for the best potential partners for NPS in critical emerging technologies. Through strategic financial investments and relationship building that supports Cooperative Research and Development Agreements (CRADAs), tech transfer and advocacy, the NPS Foundation facilitates partnerships between NPS and industry that can transform ideas into scalable solutions.



LEARN MORE

THE IMPACT

- In fiscal year 2022, the NPS Foundation’s support resulted in strategic corporate partnership achievements, including:
- **Xerox** and NPS conducting additive manufacturing research that paved the way for NPS to receive ~\$50 Million in congressional R&D funds over the next three years.
 - **Microsoft** and NPS signing a CRADA to explore modeling & simulation, cloud networks, and education solutions.
 - **TMGcore** delivering two OTTO Edgeboxes to NPS for exploration of high-performance computing at the edge.
 - **AT&T** building a 5G antenna at NPS’ Sea land Air Military Research lab.
 - **L3Harris Technologies** committing \$50,000 toward future collaboration opportunities.
 - NPS entering into CRADA discussions with **Lockheed Martin, HII, Qualcomm, Raytheon Technologies,** and **General Atomics.**

The NPS Foundation presented Xerox with the inaugural Corporate Partner of the Year award in October 2021, and to Microsoft in June 2022. The CPY award is presented annually during the America’s Heroes Charity Golf Tournament dinner.

FEATURED INITIATIVE
DEFENSE INNOVATION FUND



STRATEGIC NEED
Research areas that are most critical today, such as hypersonics, integration of autonomous systems, cyber and space technologies, have impacts across our entire military. The solutions to operational challenges need to be available across the joint force for us to achieve a competitive advantage.

THE BACKGROUND
Started in 2016, the Defense Innovation Fund supports early-stage research and development projects at NPS that focus on improving national security, increasing warfighting capabilities, and addressing military inefficiencies. Using a competitive, venture capital funding model, the Defense Innovation Fund provides the initial capital necessary to develop these research projects to the point where federal spending becomes available to fully implement the initiatives. Without the support of donors through the Defense Innovation Fund, these projects may never have been developed.

THE IMPACT

In February 2022, the NPS Foundation invested \$625,000 in defense research projects and NPS facility enhancement to support national security, including: \$200,000 to support upgrading the current Mach 4 wind tunnel in the NPS Gas Dynamics Laboratory to allow for testing at true hypersonic speeds of Mach 5+ and \$175,000 to support research for inverting the command and control (C2) pyramid for large-scale unmanned aerial system (UAS) experimentation and education among other projects. Five of the projects that received funding began as Seed projects in July 2021, receiving \$10,000 each for initial research development.


“The Navy’s Science and Technology Strategy envisions a future where warfighters seamlessly employ large numbers of distributed Intelligent Autonomous Systems to gain a decisive advantage on the battlefield. NPS conducts operationally relevant research and field experimentation with ScanEagle, an unmanned aerial system used by Naval Special Warfare and the Marine Corps. Funding from the NPS Foundation will support development, flight test and validation of a framework for controlling multiple ScanEagles from a single interface. This will allow us to leverage several aircraft recently provided by U.S. Special Operations Command for multi-vehicle operation.”
- Dr. Sean Kragelund, Research Assistant Professor, NPS Mechanical and Aerospace Engineering Dept.



FEATURED INITIATIVE
ALUMNI ASSOCIATION



STRATEGIC NEED
The Alumni Association connects an elite group of nearly 50,000 distinguished professionals who are leading and innovating in their fields worldwide, giving Naval Postgraduate School alumni the resources needed to foster professional and personal relationships within the NPS network and to capitalize on the value of their NPS experience.



LEARN MORE

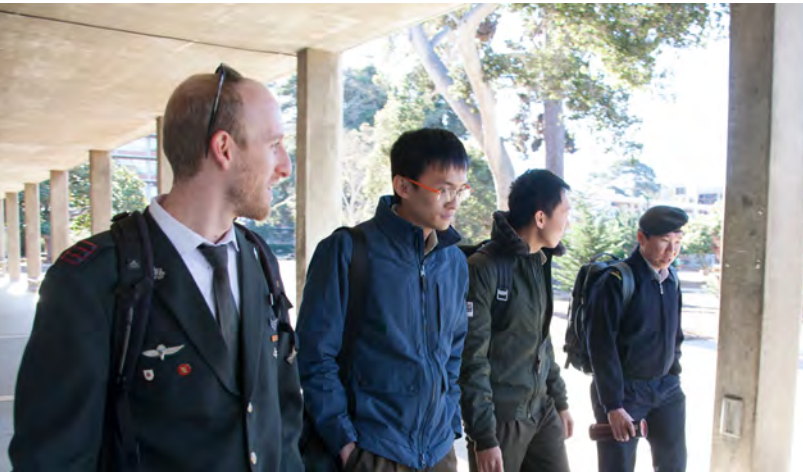
THE BACKGROUND
Since the school’s inception, NPS alumni have been involved in the most critical conversations on defense strategy, national security, and interoperability with our allies. In 2018, the Naval Postgraduate School Foundation revived the Naval Postgraduate School’s Alumni Association to cultivate global camaraderie amongst graduates and continued engagement with NPS.

THE IMPACT

The Naval Postgraduate School Foundation & Alumni Association runs a variety of benefits for NPS Alumni, including NPS Connect (NPSalumni.com) — a secure and interactive student and alumni platform for networking and mentorship, regional and virtual networking, professional development and social events, alumni-led meetups, focus groups for NPS modernization, and monthly NPS community updates to keep alumni connected with the school.

During fiscal year 2022, the NPS Foundation & Alumni Association invested over \$100,000 in support of the NPS Alumni Association. The NPS Foundation hosted six alumni events in cities across the country and supported several more. The NPS Foundation & Alumni Association also launched an “NPS in a Box” program to support alumni-hosted events around the Nation.


“Had a blast meeting some of the North County alumni of Naval Postgraduate School over a few drinks, a few war stories, and attacking some ideas to help move the Naval Force forward. There’s nothing more Marine Corps than public servants and private citizens with a wealth of information across industry, academia and USG sitting in a bar planning for the future. Definitely need to keep these events going!”
- Maj. Lucas Burke, U.S. Marine Corps, NPS ‘19



FEATURED INITIATIVE
CLUBS



STRATEGIC NEED
Most NPS assignments range from six months to two years and many students come to NPS immediately following deployments and high-stress environments. NPS students and their families must feel welcome to the NPS and Monterey community to properly take advantage of their short time in Monterey.



LEARN MORE

THE BACKGROUND
The NPS Foundation Cycling Club was established in 2009 sparking the creation of several other clubs. The student club program has since grown to include 14 recreational clubs that enrich students and their families’ NPS experience.

THE IMPACT

NPS Foundation funds, supports and coordinates the NPS recreational club program, which includes Chess, Cyber, Cycling, Flying, Golf, International, Makers, Outdoors, Running, Sailing, Skydiving, Soccer, Vehicle and Wine. The member-led clubs are open to students and their families, faculty and staff, and community members to help foster community around shared interests, build connections, give back to the local community and attend exclusive events through volunteer opportunities. Club members also participate in community events like races, hikes, bike rides, conventions, golf tournaments and more.

During fiscal year 2022, the NPS Foundation provided more than \$60,000 of support to NPS’ 14 recreational clubs. The Foundation is also supporting the creation of a Gaming Club and is always looking to create community over shared interests.

“Joining the Cycling Club was a great opportunity to meet other NPS students who are also into cycling and triathlon. The club was very inviting, and I was surprised to find out that it wasn’t just NPS students. It was great to get out and ride with students from other programs, as well as professors, alumni, and members of the local community.”
- Maj. Thomas Hathaway, U.S. Marine Corps, NPS ‘22



OTHER INITIATIVES

HUMAN ENHANCEMENT RESEARCH GROUP

The Human Enhancement Research Group continues to be a priority for NPS and the NPS Foundation. **Over \$1.2 million has been raised to fund the infrastructure of the Operational Readiness Research Center that will educate and train students in effective techniques to enhance functional capacity, strength, and agility.** Military personnel face extreme physical and mental demands that require the capacity to overcome the negative physical and psychological effects of operating in challenging field environments. There is a critical need to invest in research that can enhance physical fitness and cognitive performance in our force, promoting resilience and aiding in mission success. The NPS Foundation has initiated the \$1.2 million fund transfer, which will be accepted by NPS upon completion of federal requirements.

ACTIVE DUTY, VETERAN & FAMILY – WARRIOR SUPPORT

Each year, the NPS Foundation holds a charity golf tournament in support of America’s Heroes, through grants given to partner charities. Partner charities, who provide critical programs to enhance the lives of veterans, service members and their families, including families of fallen, during times of need, are identified by the NPS Foundation prior to the annual event. **Over \$1.2 million was provided via grant to partner charities in the 2022 fiscal year.** Grants support housing and resources for homeless veterans, grief support and counseling for the families of fallen, canine service and support animals for veterans, counseling and support for active duty and veterans and their families, financial support during times of need, and other life-changing programs for service members, veterans and their families.

STEAM OUTREACH AND COMMUNITY BUILDING

In the 2022 fiscal year, the NPS Foundation invested over \$110,000 in Science, Technology, Engineering, Arts and Math (STEAM) and community outreach activities to expand STEM opportunities for the NPS Community and K-12 students across the Central California Coast. The Foundation sponsors events such as Discovery Day at NPS, which brings over 2,000 students and teachers from the surrounding community to enable STEM interaction and encourage the pursuit of STEM disciplines. The NPS Foundation also sponsored the inaugural Rapid Innovation Design Challenge in May 2022, which aims to create equitable STEM education opportunities for students in the surrounding communities and lead them to create meaningful solutions for global impact.

DEFENSE FELLOWS SCHOLARS

The Donald R. Beall Defense Fellowship Program is an annual fellowship designed to further the Naval Postgraduate School mission by preparing the next generation of security scholars for service in government, academia, industry or national defense advisory bodies. **The NPS Foundation, which sponsors the fellowship, invested over \$225,000 in the program and supported three fellows during the 2022 fiscal year.**

SCAN TO LEARN
ABOUT MORE INITIATIVES



WAYS TO GIVE

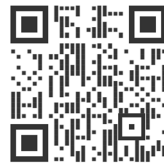
MAKE A DONATION

Make your tax-deductible donation now.

By Check: Send check payable to Naval Postgraduate School Foundation mail to NPSF, P.O. Box 8626, Monterey, CA 93943

By Credit Card, Venmo or Paypal: Visit npsfoundation.org/give

By Phone: Call 831-656-2339



GIVE NOW

YOUR DONATION IS AN INVESTMENT IN FUTURE MILITARY LEADERS AND DEFENSE-FOCUSED APPLIED RESEARCH MAKING AN IMMEDIATE AND LASTING IMPACT ON OUR NATIONAL SECURITY.

PLANNED GIVING

When you make a planned gift to the Naval Postgraduate School Foundation, whether through bequests, trust, or your retirement plan, you are investing in the cutting-edge research and future leaders that give the United States a decisive advantage over our adversaries, now and into the future. There are a variety of planned giving options that allow you to support the Naval Postgraduate School while meeting your financial goals for you and/or your family.

BECOME A COMMUNITY MEMBER

Joining the Foundation as a community supporter gives you an inside look at the Naval Postgraduate School by introducing you to warfighter student members and school leadership through clubs and community events. Your donation to the NPS Foundation is an investment in future military leaders and defense-focused applied research making an immediate and lasting impact on America's national security. Private donations elevate the school to the level of other top institutions of higher education.

THE AMERICA'S HEROES CHARITY GOLF TOURNAMENT

The Annual America's Heroes Charity Golf Tournament, at Monterey Peninsula Country Club, supports the Naval Postgraduate School Foundation and other nonprofits that provide critical support to current and former service members and their families, including families of fallen, during times of need. In its 17 years, the AHCGT has raised over \$17M in support of America's Heroes. Contact colson@npsfoundation.org for more information.

BUY A BRICK ON PATHWAY TO THE FUTURE

Whether you're a student, alumnus, faculty or staff member, donor, or community member, make your mark on the NPS campus with a custom granite brick on our "Pathway to the Future." People have ordered bricks as memorials for parents, grandparents, and colleagues, and in honor of special events and people. It's a beautiful and lasting testament of your connection to NPS. Buy Your Brick Today at NPSFoundation.org.
NPS Students & Alumni – \$75, General Public – \$100



DELIVERING COMPETITIVE ADVANTAGE

THE RESEARCH

THE PEOPLE

The warrior scholars and expert faculty at the Naval Postgraduate School are making important advances in the Department of Defense’s critical technology research areas including cyber, hypersonics, directed energy, artificial intelligence and more. Some examples of student and faculty research that is currently making an impact on our Nation’s ability to deter, detect and defend against our adversaries are:

CYBER

NPS has developed a Cyber Warfighting System that effectively defends our networks as artificial intelligence and machine learning capabilities become more prevalent in weapon and defense systems. NPS is currently working with the Navy Cyber Defense Operations Command to integrate the system into the Fleet.

HYPERSONICS

NPS faculty and students developed a new anti-ship warhead for use with hypersonic delivery systems that will start secondary fires upon impact with enemy vessels. The reactive material warheads cause more damage, reduce crew capability, and are overall more effective than current materials. The material has been transitioned to Naval Surface Warfare Center. Large scale production began in late 2021, and NPS continues to produce significant quantities for the Naval Surface Warfare Center and Naval Sea Systems Command.

ADVANCED MATERIALS

The NPS Physics faculty and Marine Corps students have developed a ballistic tolerant material for external fuel lines that self-seals after penetration by a 50-caliber piercing round. The material has been fully developed and tested by NPS and is being transferred to Sikorsky for use on UH-60 Black Hawks. The upgraded external fuel system will save lives and extend life of the aircraft by preventing leakage and fuel-fed fires due to attack.

LONG RANGE WEAPONS

The Deputy Chief of Naval Operations for Operations, Plans, and Strategy is currently sponsoring NPS research on the implications of the rise of China’s and Russia’s nuclear arsenal and capabilities to inform U.S. deterrence strategy in both the near and long term. Results will be submitted to CNO later this year and will immediately inform international arms control agreements.

DIRECTED ENERGY

NPS is conducting evaluations of shipboard High Energy Lasers as a self-defense tactic against aerial and surface attacks on Naval ships. Results show that this tactic is more accurate, has faster re-engagement, unlimited ammunition, and less collateral damage than explosives. These evaluations will be the foundation for Navy leadership in deploying High Energy Laser based weapons as the primary tactic for defense on Naval ships.

ENERGY & CLIMATE

NPS student research exploring potential pathways to Net Zero emissions led to a cooperative research partnership with a British airship company to evaluate mission support scenarios in the Indo-Pacific Theatre. Their research served as a guide for the DOD to integrate a large-capacity mobility platform, through the example of a hybrid airship, into its fleet by partnering with the commercial sector, where hybrid airship innovation is occurring.



“We cannot afford to be complacent or assume that we will always have a technological edge on our adversaries, our commitment to lifelong learning is how we stay ahead of the curve. The knowledge I gained during my time at NPS was foundational, and it was knowledge I continued to build upon over the course of my career. While technology has changed dramatically since then, the core concepts have remained the same. That dynamic is precisely why life-long learning is critical to the strength of the Navy-Marine Corps team.”
– Carlos Del Toro, 78th Secretary of the Navy, Space Systems Engineering ‘89



“NPS is the premier DOD school of technology for warfighting. It’s also close to the center of U.S. innovation and the preponderance of forces assigned to the U.S. Pacific Fleet. We continue to deepen ties between NPS and the Fleet to identify relevant challenges and find solutions to build out our capabilities today while simultaneously guiding generations of warfighters in the future.”
– Adm. Samuel Paparo, USN, Commander, U.S. Pacific Fleet, Systems Analysis ‘15



“I think the best thing NPS can do to prepare service members for leadership roles is the same for Guardians as it is for Marines, Sailors, Airmen, and Coasties—educate joint warfighters. The ability to be surrounded by top-tier educators, researchers, and fellow service members from around the Joint Force is something that very few institutions can do and one of the key elements that makes NPS unique.”
– Lt. Col. Erika Teichert, USSF, Space Systems Operations ‘16



“NPS is a unique place where students have the opportunity to affect real, necessary change that the force, and the American people protected by our services, need more than ever. Being a student at NPS opens up your mind in a way that you have so much to study, learn and understand about the world, and not just from a military perspective.”
– Capt. Emily Hastings, USMC, Manpower Systems Analysis ‘23



“The fact that students from across the DOD can collaborate with professors is a unique experience no other place can offer. Current issues that our military faces quickly make their way to technical experts and professors who are eager to tackle and solve these problems with active-duty students. NPS works for the warfighter.”
– Lt. Erick Samayoa, USN, Applied Physics ‘21



“[NPS] commitment to providing opportunities for enlisted service members, higher education, and knowing that it impacts change and lethality by creating room for innovation through cognitive diversity, has made quite the difference. I graduated with my MBA, three certificates, built lifelong relationships and enjoyed watching my family grow the whole time. What a wonderful chapter this has been in my life. Now it’s off to Quantico to go help change the future of our Corps. SEMPER FIDELIS!!!”
– Gunnery Sgt. Brandon Smart, USMC, MBA ‘22



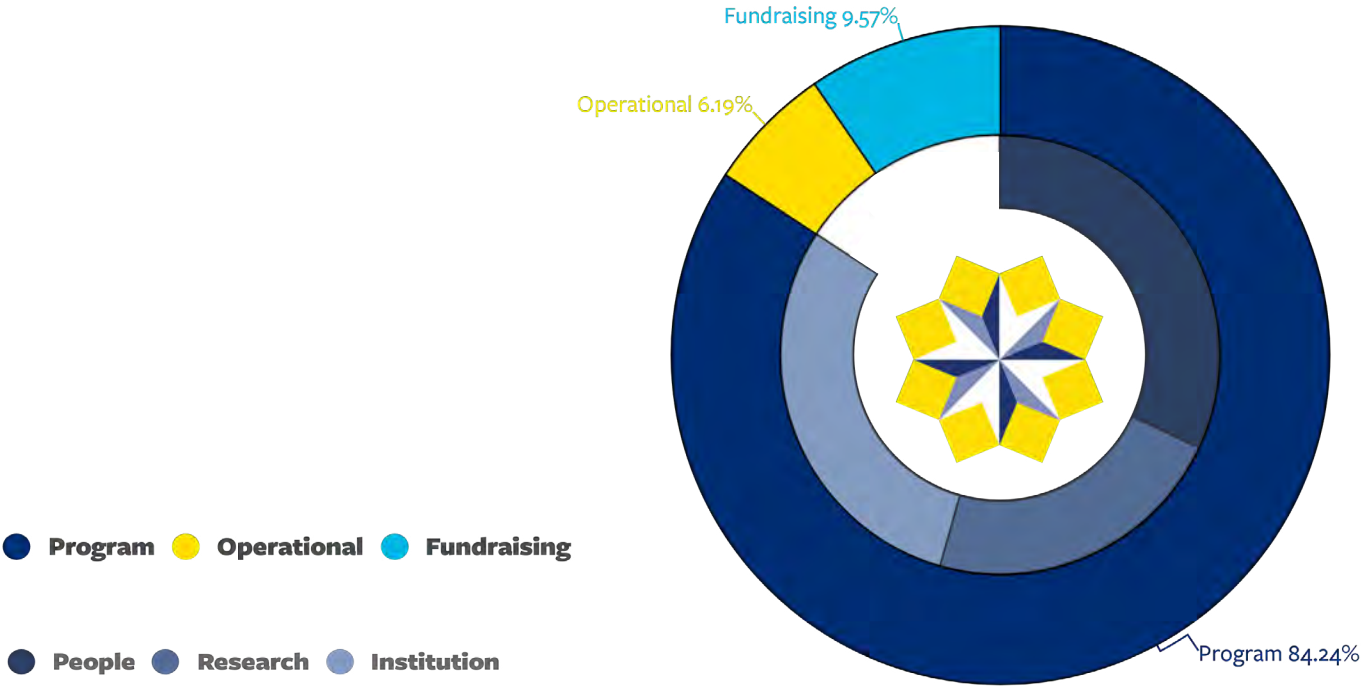
FISCAL YEAR 2022
PROGRAM EXPENSES

\$4,949,007

Program Expenses	July 2021 - June 2022
People	\$1,876,070
Research	\$1,318,506
Institution	\$1,754,431
People	
Alumni Association	\$122,146
Community Building & Events	\$168,885
Awards	\$84,887
Active Duty, Veteran and Family – Warrior Support	\$1,241,069
Research	
Defense Innovation Fund	\$711,222
Defense Fellows Scholars	\$225,097
Corporate Partnerships	\$16,665
Institution	
Naval Innovation Center	\$493,258
Athena	\$ 553,773
STEAM Community Outreach	\$111,052
Advocacy	\$271,524

INCOME & EXPENSES

Income & Expenses	July 2021 - June 2022
Income	
Individual Donations	\$1,482,519
Event Income	\$4,150,403
Peacock Shop, Brick, Membership Sales	\$187,839
Total Income	\$5,819,487
Expenses	
Programs	\$4,949,007
Operational	\$363,665
Fundraising	\$562,081
Total Expenses	\$5,874,753



BOARD OF DIRECTORS

Hank Plain
General Partner, Lightstone Ventures

Evan Allen
In-House Counsel, Pebble Beach Resorts

Ken Beall
Managing Partner, Dartbrook Partners, LLC

James Carey
Managing Partner, Stone Point Capital

Gary Coughlan
Retired Sr. Vice President, Finance,
CFO, Abbott Laboratories

Richard Elster, PhD
Former Academic Dean and Provost,
Naval Postgraduate School

Chris Fussell, NPS ‘09
President, McChrystal Group

Karen Hargrove
Retired Executive, Microsoft

Robert Jaunich
Founding Partner, Calera Capital, LLC

Craig Johnson
Partner, Wood Warren & Co

Mark Kaufman
Founder and Executive Chairman,
Athletico Physical Therapy

Lisa Lapin
Vice President, Communications, J Paul Getty Trust

Steven Lerman, PhD
Former Provost, Naval Postgraduate School

Susan Byrne Montgomery
Founder and Vice Chairman, Westwood Holdings Group

Michael Morgan
Co-founding Partner, Triangle Peak Partners, LP

Scott Negri
Owner and General Partner, SKN Properties

William O’Donnell
Founder and Managing Director, Trek Productions

Vice Admiral Daniel Oliver, USN (Ret)
Former President, Naval Postgraduate School

Andrew Paul
Managing Member, Founding Member, Sopris Capital

Thomas Prescott
Former President and CEO, Align Technology

David Rice
Director, Global Security, Apple

Leonard Riggs, MD
Former CEO, Emcare, Inc.

Andrew Rosenberg
Founder, Lynx Capital and Lynx Opportunity Funds

Lieutenant Colonel Julie Roth, USAF (Ret)
Wealth Manager, Monterey Private Wealth

Michael Shute
Founder and Former CEO, TBG Financial

Robert Skinner
Co-CEO and Founder, IEQ Capital

William Tyler
Founder, Former Chairman and CEO,
Resource Management Group

Norman Wesley
Former Chairman and CEO, Fortune Brands, Inc.

ADVISORY COUNCIL

Admiral Mike Mullen, USN (Ret), NPS ‘85
17th Chairman Joint Chiefs of Staff,
28th Chief of Naval Operations

General Keith Alexander, USA (Ret), NPS ‘83
1st Commander, U.S. Cyber Command

Donald Beall
Former Chairman and CEO, Rockwell

Vice Admiral Kevin Cosgriff, USN (Ret)
Former Commander, Naval Forces Central Command

Admiral James Ellis, USN (Ret)
Former Commander, U.S. Strategic Command

Admiral Thomas Fargo, USN (Ret)
Former Commander, U.S. Pacific Command

Admiral Cecil Haney, USN (Ret), NPS ‘87
Former Commander, U.S. Strategic Command

James Hebenstreit
Vice Chairman, Alaris Capital

Admiral Henry Mauz, Jr., USN (Ret)
Former Commander in Chief, United States Atlantic
Fleet

Tim McAdams, MD
Clinical Professor of Orthopedic Surgery,
Stanford University

Admiral William McRaven, USN (Ret), NPS ‘93
Former Commander,
U.S. Special Operations Command

Admiral Robert Natter, USN (Ret), NPS ‘82
Former Commander,
U.S. Atlantic Fleet/Fleet Forces Command

Admiral Eric Olson, USN (Ret), NPS ‘85
Former Commander,
U.S. Special Operations Command

The Honorable Dan Quayle
44th Vice President of the United States of America

Vice Admiral Ronald Route, USN (Ret), NPS ‘76
Former Naval Inspector General, U.S. Navy
Former President, Naval Postgraduate School

Vice Admiral Jan Tighe, USN (Ret), NPS ‘01
Former Deputy Chief of Naval Operations for
Information Warfare

Vice Admiral Patricia Tracey, USN (Ret), NPS ‘80
Former Chief, Naval Education and Training

Bill Warner
Co-Founder, Former Vice President, CacheFlow

Admiral Sandy Winnefeld, USN (Ret)
9th Vice Chairman Joint Chiefs of Staff

Gary Wipfler
Retired Vice President and Corporate Treasurer, Apple

Geoff Yang
Founder, Redpoint Ventures

The Honorable Dov Zakheim
Former Under Secretary of Defense (Comptroller) and

Board of Directors and Advisory Council Members as of July 2022





Naval
Postgraduate
School
Foundation

PO Box 8626
Monterey, CA 93943
831-901-3766

Tax ID: 23-7098729

npsfoundation.org



@npsfoundation

NAVAL POSTGRADUATE SCHOOL FOUNDATION IS A 501(C)(3) TAX-EXEMPT, NATIONAL NONPROFIT CHARITABLE ORGANIZATION.

NAVAL POSTGRADUATE SCHOOL FOUNDATION IS A NON-FEDERAL ENTITY. IT IS NOT PART OF THE DEPARTMENT OF DEFENSE OR ANY OF ITS COMPONENTS AND HAS NO GOVERNMENTAL STATUS.

