

SYSTEMS ENGINEERING DEPARTMENT NAVAL POSTGRADUATE SCHOOL

SYSTEMS ENGINEERING NEWSLETTER



MONTEREY PHOENIX

IOR MODELIN

Faculty News

In This Issue:

Student Stories

SE Spotlight

- Alumni Update
- Winter Quarter
 Awards and Graduations

Your system or process may be primed to behave in ways you never imagined or intended. Find and fix unexpected behaviors lurking in your design with Monterey Phoenix (MP), a user-friendly, NPS-developed language, approach and tool for modeling and reasoning about behavior.

Letter from the Chairman

Welcome to the Systems Engineering Newsletter for the Winter quarter of the 2023 Academic Year!

This quarter, the SE Department graduated 24 students: 20 with Master of Science in Systems Engineering, 1 - Master of Science in Engineering Systems, and 2 - Master of Science in Systems Engineering Management. One student graduated with a dual degree - Master of Science in Management, Defense Systems Analysis and Master of Science in Systems Engineering Management.

Two students (Maj. Daniel Jewett, USMC and Mr. Jamie Donais, Naval Undersea Warfare Center Division Newport) graduated with distinction, two students were recognized with Meyer Award for Outstanding DL Student in Systems Engineering (Mr. Jamie Donais, Naval Undersea Warfare Center Division Newport, and LT Brianna Lucia Valladares, USN). Two faculty members were recognized with the Meyer Award in Systems Engineering for DL teaching (Thomas Hamrick and Douglas Van Bossuyt). Assistant Professor Douglas L. Van Bossuyt won the 2023 Richard W. Hamming Interdisciplinary Teaching Award.

On March 24th, students, their families, faculty, staff, and guests attended the Winter Quarter Graduation Sy Ceremony in King Hall. The commencement addresses were given by Chief of Naval Reserve Vice Admiral John Mustin and Chilean Navy Naval Operations Command Commander Vice Admiral Alberto Soto, both NPS graduates. Two days before graduation, the SE department held a Winter Quarter SE Virtual Student Reception.



Systems Engineering Chairman Dr. Oleg Yakimenko

In the Winter quarter, SE faculty delivered 28 resident and DL sections, advised 13 capstone project teams and 3 thesis students; continued advising Ph.D. students; served on a variety of departmental and schoolwide committee; and worked on the reimbursable research projects.

As a result of the 2022/2023 promotion and tenure cycle, three SE Assistant Professors, Dr. Pollman, Dr. Klamo and Dr. Van Bossuyt, were promoted to the rank of Associate Professor with tenure.

Sadly, this quarter we lost two of our colleagues. Dr. Anthony Pollman passed away after a valiant struggle at his home in Oconee, IL, surrounded by a loving family on 1 February, 2023 at age 47. RADM Paul Shebalin passed away at his home in Chapel Hill, NC after a long uphill battle with disease on 27 February, 2023 at age 73. They both proudly served our country. Both Tony and Paul were inspiration to all who knew them. They aways had a smile on their faces and a joke on their lips. They will be missed but not forgotten...

I would like to conclude with thanking every past and current member of the SE department for his/her contributions and congratulating our winter graduates and their families yet again! Well done! Spread the word about NPS and SE Department, and stay connected with your alma mater!





SE Spotlight

Promotion and Tenure of Dr. Anthony Pollman





On January 26th, Assistant Professor Anthony (Tony) Pollman was promoted to Associate Professor and awarded Tenure at the Naval Postgraduate School. This was the result of an expedited board because of Dr. Pollman's terminal medical condition. Dr. Oleg Yakimenko presented Tony with promotion and tenure prior to Tony's death on 1 February 2023. Additional information about Tony can be found in a final salute on page 8.

In the SE department, Dr. Pollman taught Systems Engineering Core, Combat Systems, and Mathematical Modelling courses. He also taught for DA, MAE and PH departments. In total, during his 5-year tenure at NPS, he delivered 17 sections, advised multiple capstone projects, and shepherded over 80 students to graduation. Prior to joining NPS in 2017, Tony had teaching experience at USNA where his teaching excellence was recognised with the 2012 USNA Clements Award for Outstanding Military Educator and 2011 USNA Honorable Mention for Apgar Award for Excellence in Teaching.

Dr. Pollman was an editor for 2 books on Future Warfighting concepts and implications published by Marine Corps University Press, 2020 & 2022); co-author of 2 book chapters (Springer Nature), 33 peer-reviewed journal articles and 23 peer-reviewed conference papers (three of those, published with NPS students, won the best paper award). Anthony was also a Winner of USNI NPS essay contest, 2nd Place winner USNI Mine Warfare essay contest, and Winner of Johns Hopkins Award for Excellence in Physics.

Tony unselfishly shared his expertise and passion for education with other organizations and countries. He led scenario-based learning exercises with the Marine Forces Reserve. Abroad, he supported the application of the SE approach for developing an infrastructure resiliency plan with ministries and agencies in Azerbaijan. His work in engineers abroad in North Africa helped the development of infrastructure in remote villages.

Individually and as part of a research team, Dr. Pollman worked on a variety of the research projects funded by ONR (NextSTEP and NEPTUNE), OPNAV N9I, Naval Reactors, Naval Research Program (NRP), Combatant Commands, Marine Forces Reserve, and the Deputy Assistant SECNAV Operational Energy. His research in liquid energy storage and the operationalization of liquid hydrogen is ground-breaking and will lead to significantly increasing the operational reach of naval forces. The associated four patents from this work will have long-term impact on DoD and industry.

In, 2018-2022, Dr. Pollman served as Faculty Council Representative at-Large and as a Budget Committee member. Since 2021, Dr. Pollman served as a member of the SE Department Curriculum Committee, N9I Chair of a joint SE-OR Systems Engineering Analysis program and SE Associate Chair for Operations.

Faculty News

NPS Faculty and a PhD student attending ICCOSE IW in Torrance, CA



Three faculty, Ronald Giachetti, Joseph Sweeney, and Douglas Van Bossuyt and a SE PhD student, Bill Jankowski, attended the 2023 INCOSE International Workshop (IW) in Los Angeles, CA in January 2023. INCOSE, the International Council on Systems Engineering, is the professional society for System Engineers. The Department of Systems Engineering at NPS is an academic member of INCOSE's Corporate Board of Advisors along with 37 other academic members and 96 corporate members. Ron Giachetti currently chairs the advisory board. NPS involvement with INCOSE benefits from the influence we can exert on accreditation standards, credentialing for the Navy and DOD workforce through competency models, as well as access to all the publications, technical products, and services provided by INCOSE. One result of our membership is all SE Students who take and pass the Systems Engineering Fundamentals (SE3100) course get a waiver from taking the exam for becoming a Certified Systems Engineering Professional – a valuable credential for anyone in the acquisition workforce.

The INCOSE IW is when members get together to meet and work on the products and services advancing the field of systems engineering. Prominent at this year's meeting was Model-based Systems Engineering (MBSE) and Artificial Intelligence (AI) in Systems Engineering. INCOSE members are working on interoperability between MBSE and other engineering tools in order to realize the promise of the digital thread. The digital thread is a concept of connecting all the engineering models to design and develop a system such that changes to one model propagate to the other models. Realizing the vision would improve the efficiency of system development as well as greatly reduce errors that occur and cause redesign work during system development. The MBSE sessions also had lots of discussion of SysML v2, the System Modeling Language's second version, which will address some of the perceived shortcomings of the current version.

Another major focus of the INCOSE meeting was on AI in systems as well as AI supporting the systems engineering process. Developments in AI are happening fast with recent products such as ChatGPT bringing AI into the mainstream. Many issues surround the use of AI and will impact the Systems Engineering function including: establishing requirements on training data, verification and validation of AI capabilities, as well as the use of AI to do routine engineering tasks such as requirements traceability, test case generation, and many other tasks.

All NPS SE faculty, staff, and current students are eligible to be INCOSE Associates. If you are not, and interested, please contact Joseph Sweeney at <u>jwsweene@nps.edu</u>.



Dr. Warren Vaneman briefed the Systems Engineering Colloquium on what he has termed the Maritime Industrial Revolution between 1862 and 1914. He chose these years because during this period significant and profound changes took place in shipbuilding and how the Navy operated at sea. The period started with the clash between the USS MONITOR and the CSS VIRGINIA on 9 March 1862 and transformations to ship design (from wood to steel), shipbuilding, weaponry, navigation standards, and the professionalism of the mariners occurred throughout the ensuing 52 years. By 1914, mariners who were around in 1862 would hardly recognize the maritime world.

The talk by Dr. Vaneman was enthusiastically attended with an audience of about 50 students and faculty from NPS.

Warren Vaneman is a Professor of Practice in the Systems Engineering Department. He is a retired Navy Reserve Captain qualified as a Surface Warfare Officer and a Space Cadre Officer. He is a certified Expert Systems Engineering Professional (ESEP) by INCOSE. He earned a BS from the State University of New York Maritime College, a MS in Systems Engineering, and Ph.D. in Industrial and Systems Engineering from Virginia Tech, and a Joint Professional Military Education Certificate from the Naval War College.

Systems Engineering Faculty Recognized for Interdisciplinary Activities



The Systems Engineering Department celebrates receiving the Hamming Interdisciplinary Achievement Award. From left to right: Dr. Bill Anderson, NAVFAC EXWC and a graduate of the Systems Engineering Department's PhD program; Dr. Fotis Papoulias; Dr. Ron Giachetti; Dr. Oleg Yakimenko, Department Chair; Dr. Douglas L. Van Bossuyt; Prof Mark Stevens; CDR Katy Giles; Mr. Ross Eldred; Dr. Paul Beery

Dr. Douglas L. Van Bossuyt was recently recognized in a ceremony for the interdisciplinary activities he undertakes at NPS with the 2023 Richard W. Hamming Faculty Award for Interdisciplinary Achievement. This award recognizes innovative accomplishments that support and enhance interdisciplinary activities at NPS. Such contributions can include creative course materials in interdisciplinary courses or particularly effective mentoring of students in interdisciplinary courses are particularly encouraged.

Dr. Van Bossuyt follows in the footsteps of several prior Systems Engineering Department awardees including Dr. Bonnie Johnson (2022), Dr. Oleg Yakimenko (2019), and Dr. Timothy H. Chung (2013). In 2022, Dr. Van Bossuyt also received the Richard W. Hamming Faculty Award for Teaching. This is the first time that an NPS faculty member has received both awards sequentially.

While the award recognizes Dr. Van Bossuyt in specific, he emphatically expresses that the award reflects the outstanding environment at NPS that allows for an incredible variety, volume, and quality of interdisciplinary activities.

Further, he states that interdisciplinary activities cannot happen without wonderful interdisciplinary students, faculty, and sponsors who together enjoy collaborating on interdisciplinary topics. Many of the most challenging and pressing problems the Navy and DOD face require an interdisciplinary approach. NPS and the Systems Engineering Department are well-positioned to continue making strong interdisciplinary contributions.

The citation for the award reads as follows:

Dr. Douglas Van Bossuyt has made numerous innovative contributions to the growth of interdisciplinary activities during his time at NPS. A graduate of the NPS Teaching Fellows Program, he routinely brings interdisciplinary research into his courses. Students from multiple curricula across campus (Information Sciences (IS), MAE, SE, etc.) take his SE 3100 course, which helps students better understand the role that SE plays in large defense projects and how other disciplines and SE work together to develop new systems and platforms for the warfighter.

Douglas' research is heavy in NPS student involvement. He includes thesis and capstone masters' students, doctoral students, and students from his classes in the majority of his research. Because of his success at funding and creating dynamic interdisciplinary research teams, students and faculty seek Douglas out to collaborate on his research projects.

His work in microgrid energy resilience is paying dividends to the Navy by bringing together SE, ECE, power engineering, DDM, OR, and other disciplines to develop a unified method to assess and design microgrids that are more resilient to a wide variety of potential events, such as climate security threats, adversary action, accidents, geopolitical instability, and many others.

Other projects are underway to study counter-unmanned aerial system (CUAS) gaps and new CUAS capabilities, as well as additive manufacturing (AM) for the fleet in close partnership with faculty in MOVES, SE, and the NPS Center for AM. His research has led to a remarkable number of interdisciplinary publications co-authored with faculty and students across many NPS departments and programs.

Epitomizing the spirit of the Hamming Award, Dr. Van Bossuyt's students have made outstanding contributions to research and achieved much academic success as evidenced by the number of awards they have received and the number who have graduated with distinction.

System Engineering Course Develops a Process for Performing Configuration Management in a Digital Engineering Environment By Dr. Warren Vaneman, ESEP and Prof. Ron Carlson

A fundamental tenant of Digital Engineering is the presence of an authoritative source for the system data being modeled. In lieu of having multiple sources of data, the authoritative source is the single most important, and has the most definitive data that should be used, and shared, as it is considered the baseline. Achieving such an authoritative source is a lot easier said than done, with many questions remaining. One such question is, "How is configuration management performed in a digital ecosystem to ensure that data is the best representation of the system?"

Prof. Ron Carlson, with the support of Dr. Warren Vaneman, tasked the Winter 2023 SE4414 – Lead Systems Integration (LSI) Leadership in Systems Integration course with exploring how Configuration Management (CM) could be applied in a digital engineering ecosystem. The students who participated are Sarah Brown, Joshua Denney, Jamie Donais, Kory Hughs, Andrew Kurdziel, Louis Lopez, and Samantha Sperry.

Prof.Carlson and Dr. Vaneman used their philosophy of applying the fundamentals of the discipline, taught in the classroom, to research efforts, and using the lessons from the research to inform the classroom. During a FY22 Naval Research Program (NRP) project, Prof. Carlson and Dr. Vaneman developed an ontology and Conceptual Data Model (CDM) for the USMC land domain. This ontology and CDM were used as a cornerstone of the CM process that developed throughout the course.

The ontology and CDM developed the FY22 NRP is also being used by Marine Corps Systems Command (MCSC) to create a component library (essentially an authoritative source of truth) where engineers can use baselined data in models that they are developing during the process of developing their systems. The data in the component library will require constant CM to ensure that the data represented is truly authoritative. The CM process defined by the SE4414 students is being reviewed for applicability to the component library, and may serve as a key tenant of the component library's governance structure.

In addition to MCSC, intertest in this project was expressed by The Naval Information Warfare Center Atlantic, Naval Surface Warfare Center Indian Head Division, Naval Undersea Warfare Center Division Newport, and The Massachusetts Institute of Technology.

End of Era: Professor Ron Carlson Retires from NPS

On March 31st, 2023, the Systems Engineering Department marked the end of an era with the retirement of Prof. Ron Carlson, after 14 years of service to the Naval Postgraduate School.

Prof Carlson joined NPS in March 2009, after retiring from a 26-year career as a Naval Aviator. Since joining the Systems Engineering Department, Prof. Carlson has been instrumental in educating and mentoring future flag officers and senior engineering and acquisition leaders who continue to shape current and future Navy systems development and acquisition. He led the largest educational effort from a single Navy sponsor (the Naval Air Systems Command (NAVAIR)) in the history of the Systems Engineering Department's Distance Learning Program, by managing more than 20 dedicated cohorts of students within three educational programs and graduating more than 700 students. As a retired Naval Aviator, he used his experience to advance the Aviation Systems Engineering Program, thereby facilitating Navy and Army graduates of the Test Pilot School to attain their Master's Degree from NPS. In the classroom, he taught more than 110 sections, with students from across the Navy and Department of Defense (DoD).



He demonstrated his technical acumen by pioneering, and further developing, the Lead Systems Integration (LSI) concept, which was adopted by the NAVAIR Maritime Patrol and Reconnaissance Aircraft Office (PMA-290), thereby allowing efficiencies to be gained to the engineering and acquisition of the P-8A Poseidon Aircraft. The LSI concept is a potential force multiplier within the system acquisition community and continues to attract interest from across the Navy and DoD.

During the past five years, Prof. Carlson, along with Dr. Warren Vaneman, has been conducting research in Model -Based Systems Engineering (MBSE). During their FY22 Naval Research Program project, they developed an ontology for the land domain, which is currently being implemented by Marine Corps Systems Command as the structure for their model reuse library.

For his efforts, Prof. Carlson was awarded the Civilian Service Commendation Medal. Prof. Carlson's legacy will remain within the Naval engineering and acquisition community for many decades.

Fair Winds and Following Seas Prof. Ron Carlson!!!

Final Salute to Dr. Tony Pollman

Dr. Anthony Pollman passed away on February 1st, 2023. There is no doubt that Tony had a great future of continued contributions to the SE Department, NPS, Navy, Marine Corps and DoD. Unfortunately, struggling with illness, Associate Professor Anthony Pollman, a Marine Veteran who served this country since 1994, passed away February 1st in his home Illinois village, Oconee, surrounded by his loving family. He was 47 years old and survived by his two brothers, Pat and Greg, and two sisters, Lisa and Maria.

Dr. Pollman was a cherished department colleague and a valued member of the NPS community and will be long remembered by his students, colleagues, and friends.



In Memoriam



In the picture (from left to right)

Matt Boensel; Dave Olwell (past SE Department Chair); Bob Harney; Paul Shebalin (Director of the Meyer Institute); Mark Stevens (me); Gary Langford; Eduard Kujawski; Cliff Whitcomb (SE Department Chair)

Paul was born in Monterey and served in the US Navy and Navy Reserves for 37 years. Although not an NPS alumnus, some of his happiest years were spent in Monterey where he taught at the Naval Postgraduate School.

Paul was not prideful nor vain. He was a generous and very capable person who could jump right in and accomplish what he set out to do. He was fond of tennis, basketball, the Beatles, poetry, Shakespeare and a good Scotch. He was a good colleague, friend and mentor.



"SE Department 10th Anniversary Celebration"

In the picture (from left to right)

Karen Olwell; Dave Olwell; Melanie Shebalin; Bill Solitario; Sandy Solitario; Paul Shebalin.

Student Stories

March Student Meyer Award



LT Brianna Valladares

LT Brianna Valladares, is a native of Ridgely, Maryland. She graduated from the United States Naval Academy in 2014 with a bachelor's degree in quantitative economics, allowing for many math and science courses to obtain ABET accreditation. After winging as a P-8A Naval Flight Officer in NAS Pensacola, FL and completing Fleet Replacement Squadron at Patrol Squadron 30 (VP-30), she joined Patrol Squadron 16 (VP-16) in NAS Jacksonville for her first operational sea tour. From that tour, she served as an instructor Tactical Coordinator and Mission Commander on SIXTH, SEVENTH, and FOURTH Fleet deployments and exercised high proficiency levels in Humanitarian Aid, Search and Rescue (SAR), Anti-submarine Warfare (ASW), Maritime Intelligence, Surveillance, and Reconnaissance (ISR), and counter-narcotics missions. In January 2020, she then reported to United States Naval Test Pilot School where she graduated, second in her class. She then joined AIRTEVTRON 20 (VX-20) where she is currently serving as the Mission Systems Lead and a Project Officer for the P-8A platform and all of its new capabilities and programs to include: Long Range Anti-Ship Missile (LRASM), Multi-static Active Coherent Enhanced (MAC-E), Increment 3 Block 2, and various, highly capable sonobuoy types.

As a project officer, the SE312 cohort and syllabus was directly related to topics that I needed to be familiar with as a Mission Systems Lead for the P-8A platform. It helped me learn quickly and thoroughly about the systems engineering weight and emphasis in the Developmental Test and Evaluation processes, which I was having handson experience day to day as a Project Officer. I learned a great deal about what it takes to make programs successful from design phase to end of life cycle phase by learning from successful examples and less than successful ones. The cohort aspect sharpened my skills of working in small groups to accomplish objectives and put forth useful products and reports that could be used in real world scenarios. The SE312 program led me to think critically and outside of the box on risks to programs that I had not thought about before, encompassing all scheduling, costs, and technical aspects. The program gave me a significant number of tools in my toolbox to use forward whether it is in an operational environment or an acquisitional one.

Alumni Update

NPS Systems Engineering Graduate Selected for a Manned Mission to Orbit the Moon

By Dr. Warren Vaneman

NPS Systems Engineering Graduate, Astronaut, and Navy Captain Victor J. Glover, Jr., has been selected by NASA as the pilot of Artemis II, the first manned mission to the moon in more that 40 years. Captain Glover is a graduate of the System Engineering Department's Joint Executive Systems Engineering Management (SEM) "Educational Consortium for Product Development Leadership in the 21st Century" (PD21) program.

Captain Glover was selected as an astronaut in 2013 while serving as a Legislative Fellow in the United States Senate. He served as the pilot on the first operational flight of the SpaceX Crew Dragon to the International Space Station. He also served as Flight Engineer on the International Space Station for Expedition 64. Prior to being selected for the astronaut program, Captain Glover was a F/A-18 pilot, and a graduate of the U.S. Air Force Test Pilot School.

NASA's Artemis II is the second scheduled mission of the Artemis program, and the first scheduled crewed mission of NASA's Orion spacecraft. The spaceflight is currently planned to be launched in November 2024. The crewed Orion spacecraft will perform a lunar flyby test and return to Earth.

SEM-PD21 is a joint executive systems engineering management degree is an eight quarter distance learning curriculum is modeled after the graduate program developed jointly by the Massachusetts Institute of Technology's School of Engineering and Sloan School of Management. The program is designed to produce a cadre of change agents skilled in engineering and management to bring about dramatic improvements in the way American corporations and the defense industry develop and build new systems and products. For more information about this premier, and unique, SEM-PD21 program, please see the program's website <u>https://online.nps.edu/w/721-systemsengineering-management-mssem-/product-development?inheritRedirect=true</u>.

God Speed Captain Glover. WE ARE PROUD OF YOU!!!

Awards and Graduations

Awards

Richard W Hamming Interdisciplinary Teaching Award

Dr. Douglas L. Van Bossuyt

Meyer Award for Outstanding DL Student in Systems Engineering

311-2130 Mr. Jaime A Donais, Naval Undersea Warfare CenterDivision Newport

312-213: LT Brianna Lucia Valladares, USN

Meyer Award in Systems Engineering for DL Teaching

311-213O: Thomas A. Hamrick

312-213: Dr. Douglas L. Van Bossuyt

Capstone Teams

Cohort 311-213O Team America Directed Energy

Capstone Title: AN ANALYSIS OF STRATEGIES FOR THE PREVENTION AND MITIGATION OF IMPACTS TO UNMANNED AERIAL VEHICLES FROM HIGH POWER MICROWAVEWEAPON FRONT DOOR ENTRY

Members: Sarah Brown, Joshua Denney, Jamie Donais, Kory Hughes, and Andrew Kurdziel

Advisors: Bonnie Johnson and Mike Green

Theses

CPT Seongjung Na, Republic of Korea Army

Thesis Title: OPERATIONAL ASSESSMENT OF ALTERNATIVE FUELS FOR UNMANNED AERIAL VEHICLES

Advisor: Paul Beery Second Reader: Alejandro Hernandez

Ms. Lisa Michelle Banta

Thesis Title: DEFINE BILLET DESCRIPTIONS AND SKILL SETS THAT ARE NEEDED TO PERFORM LEAD SYSTEM INTEGRATION (lsi) FUNCTIONS

Advisor: Ronald Carlson Co-Advisors: Warren Vaneman

Mr. Raymond Joseph Stone

Thesis Title: APPLICATION OF AN ONTOLOGY-DRIVEN FRAMEWORK TO A MARINE CORPS ACQUISITION PROGRAM

Advisor: Warren Vaneman Co-Advisor: Ronald Carlson

Recommendation for Graduation with Distinction

Mr. Jamie A Donais, Naval Undersea Warfare Center Division Newport

Maj Daniel L Jewett, USMC

Graduations

Dual Degree: Master of Science in Management, Defense Systems Analysis and Master of Science in Systems Engineering Management

Lt Col Stephen F. Strieby, USMC

Master of Science in Systems Engineering

Maj Benjamin Hartley, USMC Maj Daniel L Jewett, USMC Maj Jason Noll, USMC MAJ Bradley Russell Campbell, USA MAJ Thomas Fowler, USA MAJ Greg Lewis, USA CW3 Brian C McCormick, USA LT Joshua Preston Denney, USN LCDR Kory Nathan Hughs, USN LT Jacob Jeremiah Leighton, USN LCDR Erik Storm, USN LT Taylor Sultz, USN LT Brianna Lucia Valladares, USN LCDR Andrew David Weatherholt, USN LCDR Chase Winsor, USN Mrs. Laura L Best, Naval Surface Warfare Center, Crane Division Mrs. Sarah E Brown, Naval Undersea Warfare Center, Division Newport Mr. Jamie A Donais, Naval Undersea Warfare Center, Division Newport Mrs. Chelsea Nicole Harrison, Naval Surface Warfare Center, Crane Division Mr. Andrew J Kurdziel, Naval Undersea Warfare Center, Division Newport

Master of Science in Engineering System

CPT Seongjung Na, Republic of Korea Army

Master of Science in Systems Engineering Management

Ms. Lisa Michelle Banta, Naval Air Systems Command

Mr. Raymond Joseph Stone, Marine Corps systems Command, Program Executive Office, Land Systems

Systems Engineering Distance Learning Graduation Photos

🤣 GOV 🙆 Recording II 🔳				₩ View
Oleg Yakimenko	Heather Hahn	Waiter Owen	Daniel Jewett	Joel Hagan
Corina White	Klamo	Warren Vaneman	Andy Hernandez	P Dr. Rama Gehris
mstevens	Chase Winsor	Steve Strieby	Chelsea Harrison	Sandra Snell
charlescato	cedar	Chelsea Harrison X Chelsea Harrison	Laura's iPhone	Andy
	Mary Strieby	Fotis Papoulias	iPad (2)	
∳ ^ ∎(^			■ IPad (2)	© [†] ^End
Mute Stop Video	Security Participants Pol	lls Chat Share Screen Pause/Stop Student S 📙 March 📻	, Recording Show Captions Breakout Rooms Rev Recording Calendar Micros 📆 Winter Celebr	ratio 🐖 MAR SE Celebrati 👦 Zoom Meeting

Please direct questions or comments to the SE Newsletter Editor, Chiaki Gayle, at csgayle@nps.edu

Request for Alumni News!

The SE Department is interesting in hearing how our alumni are doing. Please feel free to send the **editor** news items for inclusion in future newsletters.

If you would like to subscribe to the Systems Engineering Newsletter, please click here.

Dr. Oleg Yakimenko, Department Chair - oayakime@nps.edu

Dr. Andy Hernandez, Associate Chair for Operations - ahernand@nps.edu

Mark Stevens, Associate Chair for Instruction - mstevens@nps.edu

Dr. Wally Owen, Associate Chair for Distributed Learning & Outreach - wowen@nps.edu

Dr. Warren Vaneman, Deputy Associate Chair for Marketing, Outreach and Engagement - wvaneman@nps.edu

Mark Stevens, Academic Associate 308 Systems Engineering Analysis & 580 Systems Engineering - mstevens@nps.edu

Joel Hagan, Academic Associate 522 Systems Engineering Management - joel.hagan@nps.edu

Dr. Ray Madachy, Academic Associate 311 Systems Engineering (DL) - rjmadach@nps.edu

Dr. Katy Giles, Academic Associate 312 Aviation Systems Engineering (DL) & 711 Systems Engineering Management (DL) - kbgiles@nps.edu

Dr. Kristin Giammarco, Academic Associate 721 Systems Engineering Management (DL) & Program Officer 581, 582 kmgiamma@nps.edu

Dr. Paul Beery, Academic Associate 722 Systems Engineering Management (DL) - ptbeery@nps.edu

Dr. Douglas Van Bossuyt, Academic Associate 581 Systems Engineering PhD & 582 Systems Engineering PhD (DL) - douglas.vanbossuyt@nps.edu

CDR Caleb MacDonald, Program Officer 380, 580, 522 - caleb.macdonald@nps.edu

Joseph Sweeney, Program Officer 311, 312,711,721,722 - jwsweene@nps.edu

Kathie Cain, Faculty Associate- Education - kmcain@nps.edu

Heather Hahn, Ed Tech Systems Engineering (DL) - hlhahn@nps.edu

This newsletter is a quarterly publication of the Department of Systems Engineering, NPS. Its contents do not necessarily reflect the official views of the U.S. government, the Department of Defense or the U.S. Navy, nor does it imply endorsement thereof. Information may be subject to change without notice.



Visit Our Systems Engineering Website!



Return to Main