



Curriculum Vitae

For **George Galdorisi**

fiction, non-fiction, national media, and professional journals
expertise: military strategy, operations, tactics, and technology

GEORGE GALDORISI

Curriculum Vitae

Work:

SPAWAR Systems Center Pacific
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San Diego, CA 92152-5001
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Home:

1061 Pine Street
Coronado, CA 92118
USA
(619) 437-1256
(619) 318-8238 (mobile)
george@georgegaldorisi.com

Website: www.georgegaldorisi.com

WRITING Profile

Professional Writer

Presently

Decades-long career writing and publishing works of fiction and non-fiction, a wide-range of articles in national media, and papers appearing in conference proceedings. Fifteen books published by mainstream publishers, including the *New York Times* best seller, *Tom Clancy Presents: Act of Valor*, the novelization of the Bandito Brothers/Relativity Media film and *The Kissing Sailor*, which proved the identity of the two principals in Alfred Eisenstaedt's famous photograph.

My latest projects include a new series of thrillers published by Braveship books, as well as a recent collaboration with St. Martin's Press rebooting the Tom Clancy Op-Center series. My three Braveship thrillers are: *The Coronado Conspiracy*, *For Duty and Honor* and *Fire and Ice*, just released in 2021. The first three books of the rebooted Tom Clancy Op-Center series, *Out of the Ashes*, *Into the Fire*, and *Scorched Earth* are *New York Times*, *USA Today*, and *Publisher's Weekly* best-sellers.

These book length-projects build on an additional body of work including over four hundred articles in national and international media, including newspapers, professional journals, popular magazines, and conference proceedings. Additionally, I have presented over one-hundred papers at a wide array of national and international professional conferences.

This work has been recognized with numerous writing awards, including the Navy League of the United States Alfred Thayer Mahan Award for Literary Achievement, the Military Writer's Society Award for fiction and non-fiction, the Surface Navy Association Author of the Year, Hook Magazine Contributor of the Year, as well as a diverse array of literary awards from organizations such as the U.S. Naval Institute, Naval Helicopter Association, Navy League of Australia, Naval Helicopter Historical Society, and Space and Naval Warfare Systems Center San Diego.

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PROFESSIONAL EXPERIENCE

Director Strategic Assessments – Naval Information Warfare Center Pacific

Direct the efforts of the Space and Naval Warfare Systems Center Pacific's Strategic Assessment and Technical Futures Group. As the U.S. Navy's C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance) Center of Excellence, our organization does leading-edge research into a wide-range of innovative technologies important to the Department of Defense, including artificial intelligence, big data, machine learning, cyber, autonomous systems, robotics, and a host of others across a portfolio of over 1,200 projects at this \$2.8B enterprise. My group is responsible for projecting the future strategic environment (out to 2040), and determining what emerging technologies the DoD should invest in to ensure that the U.S. military has the decisive edge against any adversary.

Senior Advisor – Center for Security Strategies & Operations 2000-2002

Senior Advisor to the Center for Security Strategies and Operations Director: Conceptualized, designed, authored and published Navy, Marine Corps and Coast Guard policy documents utilized by the Secretary of the Navy and the Service's senior officials during Congressional testimony. Developed an extensive network among key Pentagon policy makers and planners and enjoyed unique access to military plans and policies.

Creative & Technical Advisor – Navy & Marine Corps Information Office 1999-2000

Provided creative and technical consultation for a broad range of motion picture and television productions including *Rules of Engagement*, *U-571*, *Men of Honor*, *Pearl Harbor*, *JAG*, *Pensacola Wings of Gold* and others. Developed networks among studios, production companies, and major networks. Marketed concepts to studios and developed media plans for this Los Angeles office.

Head of Delegation – U.S.-China Military Consultations 1998-2000

Leader of the United States delegation for navy-to-navy talks with the People's Liberation Army-Navy under the auspices of the Military Maritime Consultative Agreement, the naval component of the omnibus Sino-U.S. military to military engagement program. Led four rounds of talks in Beijing, Qingdao, San Diego and Honolulu and produced the first capstone memorandum of understanding for safe navigation and communications between the two navies during operations at sea.

Chief of Staff, Commander, Cruiser-Destroyer Group THREE 1995-2000

Second in command – COO equivalent – for two navy carrier battle groups each comprising over 20 individual units and over 8000 people. Key participant in strikes against Iraq in 1996 and strikes against Afghanistan in 1998. Intimately familiar with joint and combined operations across all branches of the U.S. military and allied forces.

Commander, Amphibious Squadron SEVEN 1993-1995

Commander – CEO equivalent – for a fourteen ship squadron employing over 6000 people and managing an \$80 million a year budget. Ships commanded ranged the

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globe conducting high-tempo operations literally in the world's seven seas. During latter portion of this tour, streamlined the squadron into a five-ship attack squadron and deployed to the Arabian Gulf in support of combat operations there.

Commanding Officer, USS CLEVELAND (LPD 7) 1992-1993

Commander – CEO equivalent – of a large, complex, command ship with a core crew of 400 and a Marine Corps complement of over 600. Conducted two counter-narcotics deployments and participated in two major cocaine busts. Conducted several major exercises with the Columbian navy and spent considerable time in country with Columbian drug control forces.

Commanding Officer, Helicopter Anti-Submarine Squadron 41 1990-1991

Commanding Officer – CEO equivalent – of a helicopter fleet training squadron responsible for the core production of pilots, aircrewmen and technicians. Annual student throughput of over 80 pilots, 60 aircrewmen, and 300 maintenance technicians. Led over 500 people and managed 20 state-of-the-art helicopters and trainers and an asset base of over \$450 million.

Executive Officer, USS NEW ORLEANS (LPH 11) 1988-1990

Second in command – COO equivalent – for an amphibious flagship with a core crew of 700 and with 1200 Marines and two embarked staffs.

Commanding Officer, Helicopter Anti-Submarine Squadron 43 1987-1988

Commanding Officer – CEO equivalent – for the first fleet squadron deploying state-of-the-art LAMPS Mk III helicopters aboard surface ships.

Executive Officer, Helicopter Anti-Submarine Squadron 43 1985-1986

Second in command – COO equivalent – for a new fleet helicopter squadron. Built the squadron from the ground up.

Anti-submarine Warfare Officer, Cruiser-Destroyer Group Three 1983-1984

Deployed to the Western Pacific in USS Kitty Hawk.

Operations Officer, Helicopter Anti-Submarine Squadron 41 1982-1983

Part of the initial cadre for the Navy's first LAMPS MKIII squadron.

Test Director, LAMPS MK III Program Office, Washington, D.C. 1981-1982

Designed and implemented the \$1.2 billion test and evaluation program for the LAMPS MK III Program coordinating the efforts of over a dozen military agencies, four prime contractors and over 30 subcontractors.

Student, Naval War College, Newport, Rhode Island 1980-1981

Research associate at the Center for Advanced Research.

Operations Officer, Helicopter Anti-Submarine Squadron 32 1977-1980

Responsible for the training and operations of a 12 aircraft squadron.

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Student, Naval Postgraduate School, Monterey, CA **1975-1977**
Graduated with distinction with MS in Oceanography.

Detachment Officer in Charge, Helicopter Squadron 16 **1972-1975**
Officer-in-Charge of a three-helicopter detachment.

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EDUCATIONAL BACKGROUND

MIT Sloan School, Program for Senior Executives	1991-1991
Naval War College, College of Naval Warfare	1989-1990
University of San Diego, M.A. in International Relations	1987-1988
Naval War College, College of Command and Staff	1980-1981
Naval Postgraduate School, M.S in Oceanography	1975-1977
United States Naval Academy, B.S. in Mathematics	1966-1970

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HONORS

Awarded the Navy Meritorious Civilian Service Award for performance at Space and Naval Warfare Systems Center, San Diego.

Received the Department of Defense Technical Cooperation Program Achievement Award "In recognition of excellence in collaborative research and operations analysis of coalition network-centric maritime warfare."

Received the Naval Helicopter Association's Lifelong Service Award. Continue to serve as NHA trustee.

Winner of the Admiral John Hayward Award as the top graduate of the Naval War College, College of Continuing Education.

Selected as Navy Federal Executive Fellow at the *Center for Strategic and International Studies*, Washington, D.C. Did not attend due to slating for sequential sea command.

Selected as Navy Federal Executive Fellow at the *Council on Foreign Relations*, New York. Did not attend due to slating for major sea command.

Received the Naval Helicopter Association's Service to NHA Award in. Elected NHA Director and NHA Trustee.

Selected in for the Admiral Arthur Moreau Fellowship for Post Masters Study in International Relations. Did not attend due to slating for sequential squadron command.

University of San Diego: Graduated with Honors. Published excerpts from Independent Study Paper in the *Naval War College Review*.

Naval War College: Fellow at the Center for Advanced Research. Graduated with Highest Distinction.

Naval Postgraduate School: Superintendent's List and Honors in Oceanography. Published thesis excerpts in *Naval Institute Proceedings*.

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WRITING AWARDS

2021 – *SIGNAL* Magazine's 2021 Cyber Edge Writing Contest, **First Prize Winner** for the article, "From AI Hype to AI Proof" (with Sam Tangredi).

2019 – Naval Information Warfare Command Pacific, Distinguished Publication Award for the SUBTECH Symposium conference paper, "Providing an Undersea Infrastructure for Energy Replenishment and Data Transfer" (with Jose Chavez, Lorraine Duffy, Pedro Forero and Eric Hendricks).

2019 – Naval Information Warfare Command Pacific, Publication Award for Non-Technical Documents for the 23rd ICCRTS paper, "Command and Control for the Global Network of Navies" (with Stephanie Hszieh).

2019 – U.S. Naval Institute - **Prize Winner in General Prize Essay Contest** in *U.S. Naval Institute Proceedings* for the article, "The Navy Needs AI, It Just Isn't Certain Why."

2019 – Navy League of Australia's Annual Essay Competition, **First Place Award Winner** for the article, "The Importance of the International Law of the Sea to Australia's Growing Role as a Maritime Power."

2017 – Navy League of Australia's Annual Essay Competition, Award Winner for the article, "A Navy for a Dangerous Neighborhood."

2016 – Space and Naval Warfare Systems Center Pacific **Publication of the Year Award** for Non-Technical Documents for the *Naval Engineers Journal* article, "Distributed Lethality, Command and Control Software Engineering, and Navy Laboratories," (with Bill Bonwit, Kurt Rothenhaus and Anna Stang).

2016 – Space and Naval Warfare Systems Center Pacific Distinguished Publication Award for Conference Proceedings for the paper, "Heterogeneous Autonomous Mobile Maritime Expeditionary Robots" (with Vladimir Djapic, Anthony Jones, and Michael Ouimet).

2016 – Surface Navy Association Literary Award for **Best Professional Article** addressing surface navy issues for the *U.S. Naval Institute Proceedings* article, "A Potent One-Two Punch."

2016 – Navy League of Australia's Annual Essay Competition, Award Winner for the article, "Dealing with Two Superpowers: Australia Must Understand What China and the United States *Want*."

2016 – Space and Naval Warfare Systems Center Pacific Distinguished Publications Award for Non-Technical Conference Proceedings for the paper, "Rite Acquisition for Navy C2" (with Amanda George and Michael Morris).

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2016 – Space and Naval Warfare Systems Center Pacific Distinguished Publications Award for Non-Technical Conference Proceedings for the paper, “How to Populate the DoD App Store with Navy Software Products” (with Amanda George and Michael Morris).

2016 – Space and Naval Warfare Systems Center Pacific Publications Award for Non-Technical Conference Proceedings for the paper, “Optimizing the Human Element in the Age of Autonomy” (with Vladimir Djapic, Jennifer Pels, Olida Rodas, and Rachel Volner).

2016 – Space and Naval Warfare Systems Center Pacific Publications Award for Non-Technical Conference Proceedings for the paper, “The Undersea Constellation: The Leading Edge of the Joint Information Environment,” (with LorRaine Duffy, Stephanie Hszieh and Rachel Volner).

2016 – Space and Naval Warfare Systems Center Pacific Publications Award for Non-Technical Conference Proceedings for the paper “Is there a Future for Military Autonomous Systems?”

2015 – Navy League of Australia's Annual Essay Competition, **First Place Award Winner** for the Professional Category for the article, “Defending Our Neighborhood: Can We Guard Australia’s Maritime Frontier.”

2015 – Space and Naval Warfare Systems Center Pacific Distinguished Publications Award for Non-Technical Conference Proceedings for the conference paper, "DoD Application Store: Enabling C2 Agility" (with Amanda George, Michael Morris, and Matthew O'Neil).

2015 – Space and Naval Warfare Systems Center Pacific Distinguished Publications Award for Non-Technical Conference Proceedings for the conference paper, "Unmanned Aerial Systems: The Maritime Domain Awareness Imperative" (with Bryan Tollefson and Rachel Volner).

2015 – Space and Naval Warfare Systems Center Pacific Publications Award for the Non-Technical Documents Category for the *Naval Engineers Journal* article, "Heterogeneous Autonomous Mobile Maritime Expeditionary Robots: Maritime Information Dominance" (with Vladimir Djapic).

2014 – Space and Naval Warfare Systems Center Pacific **Publication of the Year Award** for Non-Technical Conference Proceedings for the conference paper, “*Widgets and App Store Enable Agile C2 Quickly and Efficiently*” (with Amanda George, Stephanie Hszieh, Mike Morris and Chris Raney).

2014 – Space and Naval Warfare Systems Center Pacific Distinguished Publications Award for the conference paper, “*Fourth Generation Undersea Warfare: Getting C2 for*

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Undersea Connectivity Right" (with LorRaine Duffy, Amanda George, Eric Hendricks, Stephanie Hszieh and Miguel San Pedro)

2014 – Space and Naval Warfare Systems Center Pacific Publications Award for the *RUSI Journal* article, "Getting the Most Out of Our Innovation Training and Simulation for the Future Force" (with Amanda George)

2014 – Navy League of Australia's Annual Essay Competition Second Place Award Winner for the Professional Category for the article, "The U.S. Pivot to the Pacific: Is It Real or Is It Memorex?"

2013 – Military Writers Association of America 2013 **Silver Medal Award Winner** for Thriller/Mystery for *Tom Clancy Presents: Act of Valor*.

2013 – Military Writers Association of America 2013 **Awards Finalist for History** for *The Kissing Sailor*.

2013 – Space and Naval Warfare Systems Center Pacific Publications Award for contributions to open literature for the article, "Any Sensor, Any Shooter: Toward an Aegis BMD Global Enterprise," *Joint Forces Quarterly*, October 2012 (with John Morton).

2013 – Space and Naval Warfare Systems Center Pacific Publications Award for contributions to conference proceedings for the paper "We Have an App for That: U.S. Military Use of Widgets and Apps to Increase C2 Agility," in *Proceedings of the 17th International Command and Control Research and Technology Symposium*, (with Angela Bowers, Amanda George, Stephanie Hszieh, Mike Morris, and Chris Raney).

2013 – Surface Navy Association Literary Award for **Best Professional Article** addressing surface navy issues for the article, "The Aegis BMD Global Enterprise," *Naval War College Review*, Summer 2012 (with Brad Hicks and Scott Truver).

2012 – Space and Naval Warfare Systems Center Pacific Distinguished Publications Award for contributions to open literature for the article, "The Tipping Point and the Future U.S. Navy Fleet," *Year in Defense: Naval Edition*, April 2011.

2012 – Space and Naval Warfare Systems Center Pacific Publications Award for contributions to open literature for the article, "Harmonizing Naval C4ISR Suites: The Path Forward in the Face of Budget Stresses," *RUSI Defence Systems*, Spring 2011 (with Jose Carreno, Stephanie Hszieh and Andrew Sutherland).

2012 – Naval Helicopter Historical Association Mark Starr **Pioneer Literary Award** for contributions to the Naval Helicopter Association, the Naval Helicopter Historical Association and to naval helicopter history.

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2011 – Space and Naval Warfare Systems Center Pacific Publications Award for contributions to open literature (with Jose Carreno, Stephanie Hsieh and Andrew Sutherland).

2011 – Navy League of Australia's Annual Essay Competition **First Place Award Winner** for Professional Category for the article, “Australia and AEGIS Ballistic Missile Defence: Preparing for the Indo-Pacific Century,” (with Ed Feege).

2011 – Surface Navy Association Literary Award for **Best Professional Article** addressing surface navy issues for the article, “From Minimal to Optimal” (with Scott Truver).

2010 – *The Hook Magazine* **Contributor of the Year**.

2010 – Navy League of Australia's Annual Essay Competition Award Winner for Professional Category for the article “Australia’s Key Role in the Global Maritime Partnership: Challenges and Opportunities” (with Stephanie Hsieh and Darren Sutton).

2010 – Surface Navy Association Literary Award for **Best Professional Article** addressing surface navy issues for the article, “The Zumwalt-Class Destroyer: A Technology Bridge Shaping the Navy after Next” (with Scott Truver).

2010 – Space and Naval Warfare Systems Center Pacific Publication Award for contributions to technical literature (with Mary Chrysler, Stephanie Hsieh, and Paul Shigley).

2009 – Space and Naval Warfare Systems Center Pacific Publication Award for contributions to conference proceedings (with Stephanie Hsieh).

2003 – Space and Naval Warfare Systems Center San Diego Publication Award for contributions to open literature (with Glenn Osga).

2002 – Space and Naval Warfare Systems Center San Diego Publication Award for contributions to conference proceedings (with Tom Kaye).

1999 – Navy League of the United States – Runner up for Alfred Thayer Mahan Award for Literary Achievement (runner up to Edward Beach).

1993 - Navy League of the United States - **Winner of the Alfred Thayer Mahan Award for Literary Achievement**.

1992 - U.S. Naval Institute - First Honorable Winner in Arleigh Burke Essay Contest in *U.S. Naval Institute Proceedings*.

1991 - U.S. Naval Institute - First Honorable Winner in International Navies Essay Contest in *U.S. Naval Institute Proceedings*.

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1989 - Naval Helicopter Association - Award for Best Article on Career Planning and management in *Rotor Review*.

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WRITING SEMINARS AND COURSES

Greater Los Angeles Writers Conference (fiction seminar leader)

La Jolla Writers Conference (fiction and non-fiction seminar leader)

Palm Springs Writers Guild (fiction seminar leader)

Writer's Symposium by the Sea (fiction and non-fiction panelist)

San Diego State University Writer's Conference (fiction and non-fiction seminar leader)

San Diego County Veterans' Writers Group (fiction and non-fiction seminar leader)

San Diego Writer's Ink (fiction and non-fiction seminar leader)

Southern California Writer's Association (fiction seminar leader)

Coronado Writer's Workshop (fiction and non-fiction seminar leader)

"Get Published Now," Coronado, CA, Adult Education Class (six-session course)

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PUBLISHED BOOKS AND CONTRIBUTIONS TO OTHER BOOKS

Fire and Ice (San Diego, CA: Braveship Books, 2021).

AI at War: How Big Data, Artificial Intelligence and Machine Learning Are Changing Naval Warfare (Annapolis, Maryland, U.S. Naval Institute Press, 2021).

For Duty and Honor (San Diego, CA: Braveship Books, 2018).

When the Killer Man Comes: Eliminating Terrorists as a Special Operations Sniper (St. Martin's Press in 2018) (with Paul Martinez).

The Coronado Conspiracy (San Diego, CA: Braveship Books, 2017).

Tom Clancy's Op-Center: Dark Zone (New York: St. Martin's Press, 2017) (with Jeff Rovin).

Tom Clancy's Op-Center: Scorched Earth (New York: St. Martin's Press, 2016) **New York Times, USA Today and Publisher's Weekly best seller.**

"Treaty at a Crossroads," in *The U.S. Naval Institute Study of Naval Cooperation* (Annapolis, MD: U.S. Naval Institute Press, 2015).

Tom Clancy's Op-Center: Into the Fire (New York: St. Martin's Press, 2015) (with Dick Couch) **New York Times, USA Today and Publisher's Weekly best seller.**

Networking the Global Maritime Partnership (Canberra, Australia, Sea Power Centre – Australia, 2014) (with Stephanie Hsieh, Terry McKearney, and Darren Sutton).

Tom Clancy's Op-Center: Out of the Ashes (New York: St. Martin's Press, 2014) (with Dick Couch) **New York Times, USA Today and Publisher's Weekly best seller.**

The Kissing Sailor (Annapolis, Maryland, U.S. Naval Institute Press, 2012) (with Larry Verria) **Amazon and Barnes & Noble best seller.**

Tom Clancy Presents: Act of Valor (New York, : Penguin, 2012) (with Dick Couch) **New York Times, USA Today and Publisher's Weekly best seller.**

"U.S. Naval Aviation Roles and Missions," in *Airpower at Sea: The Centennial of Naval Aviation* (Tampa, Florida: Faircount Media, 2011).

Leave No Man Behind: The Saga of Combat Search and Rescue (Novato, CA: Zenith Press, 2009) (with Tom Phillips).

"Coalition Interoperability: How Much is Enough & How to Quantify It," in *Sea Power: Challenges Old and New* (Sydney, AU: Halstead Press, 2007) (with Darren Sutton).

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“Expeditionary and Amphibious Warfare,” in *Globalization and Maritime Power* (Washington, D.C.: National Defense University Press, 2002).

“Amphibious Assault at the Turn of the Century,” in *The United States Navy* (Washington, D.C.: Naval Historical Foundation, 2000).

Beyond the Law of the Sea: New Directions for United States Oceans Policy (Westport, CT: Greenwood Press, 1997) (with Kevin Vienna).

“Preserving Freedom of Navigation: U.S. Lessons for the International Community,” in *Ocean Yearbook 1996* (Chicago: Law of the Sea Institute, 1996).

“Emerging Roles for the United States Navy,” *Ocean Yearbook 1995* (Chicago: Law of the Sea Institute, 1995).

The United States and the 1982 Law of the Sea Convention: The Cases Pro and Con (Honolulu, Hawaii: Law of the Sea Institute, 1995) (with Doug Bandow).

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PAPERS PRESENTED

“Leveraging Artificial Intelligence and Machine Learning To Accelerate Man-Machine Teaming In Military Weapons Systems,” Naval War College Technology and Future Fleet Architectures Symposium, Newport, RI, November 3-4, 2021.

“Strategic Overview and Technical Vectors,” AFCEA C4ISR Symposium, San Diego, CA, October 28, 2021.

“Environmental Scan of Emerging Threats,” NDIA Fall Forum, San Diego, CA October 26, 2021.

“Leveraging Artificial Intelligence and Machine Learning To Accelerate Man-Machine Teaming In Military Weapons Systems,” Naval Postgraduate Warfare Innovation Continuum Workshop Hybrid Force 2045, September 20, 2021.

“Are Our Unmanned Systems Ready To Become “Loyal Wingmen?” If Not, What Can We Do To Make This Happen?” UAS West, August 11-13, 2021 (with Sam Tangredi).

“Algorithms of Armageddon: What Happens When We Insert AI Into Our Military Weapons Systems?” John Hopkins University Applied Physics Laboratory Colloquium, July 16, 2021 (with Sam Tangredi).

“How Can We Best Use Big Data, Artificial Intelligence and Machine Learning In Our Naval Weapons Systems?” Surface Navy Association Seminar, July 14, 2021 (with Sam Tangredi).

“Algorithms of Armageddon: What Happens When We Insert AI Into Our Military Weapons Systems?” The Patuxent Partnership July 14, 2021 (with Sam Tangredi).

“How Can We Use Big Data, Artificial Intelligence and Machine Learning to Make Our Naval Weapons Systems More Effective?” Naval Postgraduate School AI/ML COI Seminar, July 9, 2021 (with Sam Tangredi).

“Algorithms of Armageddon: What Happens When We Insert AI Into Our Military Weapons Systems?” Strategic Multilayer Assessment Meeting, June 3, 2021 (with Sam Tangredi).

“The Importance and Applications of Artificial Intelligence to Naval Operations,” Maritime Security Challenges Conference, April 28, 2021 (with Sam Tangredi).

“Ships, Planes, Tanks, Algorithms: What Will We Need to Prevail in the Coming Conflict?” Naval Postgraduate School Capstone Continuum, April 21, 2021 (with Sam Tangredi).

“How Can the U.S. Army Effectively Leverage Leading-Edge Technologies? Are There Rewards *and* Risks?” U.S. Army Training and Doctrine Command “Mad Scientist” Forum April 14, 2021 (with Sam Tangredi).

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“How Can We Accelerate the Insertion of Leading-Edge Technologies Into Our Military Weapons Systems?” Naval Postgraduate CRUSER Workshop, April 5, 2021 (with Sam Tangredi).

“AI Priorities, Requirements and On-Ramps for Industry-Military Teaming,” National Defense Industrial Association National Security and AI Conference, March 23-25, 2021 (with Sam Tangredi).

“Defense Innovation Secrets: Providing AI Solutions the U.S. Military Needs,” Defense TechConnect Virtual Innovation Summit and Expo, November 17-19, 2020 (with Sam Tangredi).

“Delivering Logistics Sustainment in a Contested Environment: The Case for a ‘Russian Dolls’ Approach,” Defense TechConnect Virtual Innovation Summit and Expo, November 17-19, 2020.

“When Things Go Amiss: Lessons for Successful International Partnerships in the Defense Research and Development Community,” Virtual 25th International Command and Control Research and Technology Symposium, November 10-12, 2020 (with Jose Carreno, Clare Morton and Paul Shigley).

“Algorithms of Armageddon: What Happens When We Insert AI Into Our Military Weapons Systems?” Virtual Autonomous & Hypersonic Weapon Systems Conference, November 4-6, 2020 (with Sam Tangredi).

“Making a New War Plan Blue *Work*: Leveraging Unmanned Maritime Systems,” Naval Postgraduate School CRUSER Warfare Innovation Continuum Workshop, Monterey, CA, September 21-24, 2020.

“Leveraging Emerging Technologies To Accelerate Military: UxS Integration and Ensure More Effective Decision Making,” Autonomous Systems West, San Diego, CA, August 25-28, 2020.

“How Can the Navy Leverage Big Data, A.I. and Machine Learning to Accelerate UAS Integration and Decision Making?” Unmanned Aircraft Systems West, San Diego, CA, February 13-14, 2020.

“Can Digital Modernization Provide a Warfighting Edge? Leveraging Big Data, Artificial Intelligence and Machine Learning,” TechNet Indo-Pacific, Honolulu, HI, November 19-21, 2019.

“Ensuring Allies and Coalition Partners Can Leverage C4ISR Technologies to Manage Cyber Risk to Mission,” 24rd International Command and Control Research and Technology Symposium, Laurel, Maryland, October 29-31, 2019 (with Jose Carreno and Paul Shigley)

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“Accelerating Unmanned Logistics on Air, Land and Sea: Leveraging Initial Steps, Building Momentum and Taking a Breath,” Naval Postgraduate School CRUSER Warfare Innovation Continuum Workshop, Monterey, CA, September 23-26, 2019.

“Leveraging Big Data, Artificial Intelligence and Machine Learning for UxS Applications, U.S. Naval Postgraduate School Menneken Lecture Series, Monterey, CA April 25, 2019

“Accelerating UAS Capabilities by Leveraging Big Data, Artificial Intelligence and Machine Learning, Unmanned Systems West Conference, San Diego, CA, February 7-8, 2019.

“Fielding Unmanned Systems Warfighters Can Employ: Leveraging Artificial Intelligence to Provide Augmented Intelligence,” TechNet Asia-Pacific, Honolulu, HI, November 12-16, 2018.

“Producing Military Unmanned Systems Even Lawyers Can Love,” 23rd International Command and Control Research and Technology Symposium, Pensacola, Florida, November 6-9, 2018 (with Rachel Volner).

“Command and Control for the Global Network of Navies,” 23rd International Command and Control Research and Technology Symposium, Pensacola, Florida, November 6-9, 2018 (with Stephanie Hszieh).

“Leveraging Artificial Intelligence to Provide Warfighters with Augmented Intelligence,” Naval Postgraduate School CRUSER Warfare Innovation Workshop, Monterey, CA, September 17-20, 2018.

“Providing an Undersea Infrastructure for Energy Replenishment and Data Transfer,” John Hopkins University Applied Physics Laboratory Submarine Technology Symposium: Maximizing Influence from Under the Sea, Baltimore, Maryland, May 12-14, 2018 (with Jose Chavez, LorRaine Duffy, Eric Hendricks, and Pedro Forero).

“Can We Get the Global Network of Navies to Work?” presented at the 2018 Pacific Operational Science and Technology Conference, Honolulu, HI, March 5-9, 2018.

“Fielding Unmanned Systems Warfighters Can Employ: Leveraging Artificial Intelligence to Provide Augmented Intelligence,” presented to the Unmanned Systems West Symposium, San Diego, CA, February 12-13, 2018.

“Designing Unmanned Systems for the Multi-Domain Battle: Accelerating the Adoption of Augmented Intelligence,” presented to the U.S. Army Training and Doctrine Command “Mad Scientist” Speaker Series, January 10, 2018.

“Command and Control (C2) of Cross-Domain Unmanned Vehicles (UxVs): Progress of an Early Prototype, presented at the 22nd International Command and Control Research and Technology Symposium, *Frontiers of C2*, Los Angeles, CA, November 6-8, 2017 (with Anthony Jones, Thomas Pastore and Rachel Volner).

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“Designing UxS for Military Use: Harnessing AI to Provide Augmented Intelligence,” presented at the 22nd International Command and Control Research and Technology Symposium, *Frontiers of C2*, Los Angeles, CA, November 6-8, 2017 (with Raymond Buettner).

“Command and Control for the Global Network of Navies,” presented at the 22nd International Command and Control Research and Technology Symposium, *Frontiers of C2*, Los Angeles, CA, November 6-8, 2017 (with Stephanie Hsieh and J.D. Morrison).

“Fielding Unmanned Systems for Distributed Maritime Operations: Leveraging Artificial Intelligence to Provide Augmented Intelligence,” presented at the 2017 CRUSER Warfare Innovation Continuum Workshop: *Combined, Joint, and Coalition Warfare at Sea*, Monterey, CA, September 19-21, 2017.

“Command and Control (C2) to Enable Multi-Domain Teaming of Unmanned Vehicles (UxVs),” presented at the 2017 IEEE/MTS Oceans Conference, Anchorage, Alaska, September 18-21, 2017 (with Anthony Jones and Thomas Pastore)

“Maximizing the Utility of Naval Unmanned Systems,” presented at the 2017 IEEE/MTS Oceans Conference, Anchorage, Alaska, September 18-21, 2017 (with Bryan Tollefson and Rachel Volner).

“Understanding the Future Undersea Capabilities of Near-Peer Competitors and Their Impact On Our Seabed C3 Systems,” presented at the Submarine Technology Symposium, Baltimore, Maryland, May 9-11, 2017 (with Anna Stang).

“Designing UxS for Military Use: Harnessing AI to Provide Augmented Intelligence,” presented at the Naval Postgraduate School CRUSER TechCon, Monterey, CA, April 11-12, 2017 (with Bryan Tollefson and Rachel Volner).

“The Rise of Autonomous Vehicles: The Impact on Maritime Operations,” presented at the Maritime Security Challenges 2016: Pacific Seapower Conference, Victoria, BC, October 3-6, 2016.

“Access to the Global Commons: How Creeping Jurisdictional Claims Can Lead to Disorder on the Oceans” presented at the 2016 IEEE/MTS Oceans Conference, Monterey, California, September 19-23, 2016.

“Bridging Multiple Autonomous Systems Disciplines,” presented at the 2016 IEEE/MTS Oceans Conference, Monterey, California, September 19-23, 2016 (with Raymond Buettner).

“Heterogeneous Autonomous Mobile Maritime Expeditionary Robots,” presented at the 2016 IEEE/MTS Oceans Conference, Monterey, California, September 19-23, 2016 (with Vladimir Djapic, Anthony Jones and Michael Ouimet).

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“We Need an *Undersea* Constellation to Ensure Peace and Stability on the Global Commons,” presented at the 2016 IEEE/MTS Oceans Conference, Monterey, California, September 19-23, 2016 (with LorRaine Duffy and Eric Hendricks).

“Designing Autonomous Systems to Meet Warfighter Needs Today *and* Tomorrow,” presented at the Unmanned Systems West Conference, San Diego, CA, August 30-31, 2016 (with Vladimir Djapic).

“Designing Autonomous Systems for Warfighters: Keeping Humans in the Loop,” presented at the 2016 Mad Scientist Conference: Strategic Security Environment 2050, Washington, D.C., August 8-9, 2016 (with Raymond Buettner).

“The Undersea Constellation: Providing Leap-Ahead Capabilities for the Third Offset Strategy,” presented at the NDIA Joint Undersea Warfare Technology 2016 Spring Conference, San Diego, CA, April 11-13, 2016 (with Rachel Volner).

“The Undersea Constellation,” presented at the 2015 IEEE/Oceans Symposium, Washington, DC, October 19-22, 2015 (with LorRaine Duffy and Rachel Volner).

“The Undersea Constellation: Providing Leap-Ahead Capabilities for the Third Offset Strategy,” presented at the NDIA Joint Undersea Warfare Technology 2015 Fall Conference, Groton, Connecticut, September 22-25, 2015 (with Rachel Volner).

“Instantiating the Global Maritime Partnership: The “Thousand-Ship Navy”- Now More than Ever,” presented at the 2015 McMullen Naval History Symposium, Combined Naval Operations and Networking Coalition Forces in Recent History panel, Annapolis, Maryland, September 17-18, 2015 (with George Green, Stephanie Hsieh and Kadambari Vyas).

“Winning with Networks in the Undersea Domain,” presented at the 2015 John Hopkins University Applied Physics Laboratory Submarine Technology Symposium: Maximizing Influence from Under the Sea, Baltimore, Maryland, May 12-14, 2015 (with LorRaine Duffy and Stephanie Hsieh).

“Optimizing the Human Element in the Age of Autonomy,” presented at the 2015 Association of Unmanned Vehicle Systems International Symposium, Atlanta, Georgia, May 4-7, 2015 (with Vladimir Djapic, Jennifer Pels, Olida Rodas and Rachel Volner).

“The Undersea Constellation: The Leading Edge of the Joint Information Environment,” presented at the 2015 Spring NDIA Undersea Warfare Conference, Assuring Future Undersea Superiority to Secure Access and Maneuver in the Global Commons, San Diego, CA March 30 to April 1, 2015 (with LorRaine Duffy, Stephanie Hsieh and Rachel Volner).

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Curriculum Vitae

“Achieving Information Dominance with the Undersea Constellation,” presented at the National Fire Control Symposium, Los Angeles, CA, February 9-11, 2015 (with LorRaine Duffy and Amanda George).

“Operationalizing the Joint Information Environment: Achieving Information Dominance with the Undersea Constellation,” presented at the Joint Undersea Warfare Technology 2014 Fall Conference, Groton, Connecticut, September 22-24, 2014 (with Stephanie Hsieh).

“Unmanned Aerial Systems: The Maritime Domain Awareness Imperative,” presented at the San Diego Fall Unmanned Aircraft Systems Symposium, San Diego, CA, September 10-11, 2014 (with Jennifer Pels, Bryan Tollefson, and Rachel Volner).

“The Undersea Constellation and Information Dominance,” Naval Postgraduate School Menneken Lecture Series, Monterey, CA, July 10, 2014.

“DoD Application Store: Enabling C2 Agility?” presented at the 19th International Command and Control Research and Technology Symposium, C2 Agility: Lessons Learned from Research and Operations, Alexandria, Virginia, June 16-20, 2014 (with Amanda George, Michael Morris and Matthew O’Neil).

“Achieving Information Dominance: Unleashing the Ozone Widget Framework,” presented at the 19th International Command and Control Research and Technology Symposium, C2 Agility: Lessons Learned from Research and Operations, Alexandria, Virginia, June 16-20, 2014 (with Kathy Conley et al).

“Chasing Autonomy: How Much is Enough and How Much is Too Much?” presented at the 19th International Command and Control Research and Technology Symposium, C2 Agility: Lessons Learned from Research and Operations, Alexandria, Virginia, June 16-20, 2014 (with Rachel Volner).

“Taking the Next Steps: Moving from “Unmanned” to True Autonomy in Unmanned Aircraft Systems,” presented at the NDIA Undersea Warfare Conference, Supporting and Executing a Game-Changing USW Theater Strategy, San Diego, CA March 25-26, 2014 (with Rachel Volner).

“Unmanned Maritime Systems: Poised for Launch...or Sinking Fast?” presented at the NDIA Undersea Warfare Conference, Supporting and Executing a Game-Changing USW Theater Strategy, San Diego, CA March 25-26, 2014 (with Stephanie Hsieh).

“Chasing Autonomy: Making UAS More Autonomous, Affordable and Obedient,” presented at the Unmanned Aircraft Systems Conference, San Diego, CA, March 11-12, 2014 (with Vladimir Djapic, Jan McGee and Rachel Volner).

GEORGE GALDORISI

Curriculum Vitae

“Leveraging Autonomous Systems to Enhance Combined Operational Access,” presented at the Multinational Capability Development Campaign Seminar, Norfolk, Virginia, January 28-30, 2014 (with John Stastny, Bryan Tollefson and Rachel Volner).

“Aligning SPAWAR UAS Research and Initiatives with Warfighter Needs,” presented at the Unmanned Aircraft Systems Symposium, San Diego, California, September 4-6, 2013 (with Nicholas Stroumtsos and Rachel Volner).

“Fourth Generation Undersea Warfare: Getting C2 for Undersea Connectivity Right,” presented at the 18th International Command and Control Research and Technology Symposium, *C2 in Underdeveloped, Degraded and Denied Operational Environments*, Alexandria, Virginia, June 18-21, 2013 (with LorRaine Duffy, Amanda George, and Eric Hendricks).

“Mission Composeable C2 in DIL Information Environments using Widgets and App Stores,” presented at the 18th International Command and Control Research and Technology Symposium, *C2 in Underdeveloped, Degraded and Denied Operational Environments*, Alexandria, Virginia, June 18-21, 2013 (with Angela Bowers, Amanda George, Stephanie Hsieh, Michael Morris, Chris Raney, and Charles Yetman).

“C2 of Next-Generation Satellites,” presented at the 18th International Command and Control Research and Technology Symposium, *C2 in Underdeveloped, Degraded and Denied Operational Environments*, Alexandria, Virginia, June 18-21, 2013 (with Austin Mroczek, and Rachel Volner).

“We Have an App for That: U.S. Military Use of Widgets and Apps to Increase C2 Agility,” presented at the 17th International Command and Control Research and Technology Symposium, Fairfax, Virginia, *Operationalizing C2 Agility*, Fairfax, Virginia, June 19-21, 2012 (with Angela Bowers Amanda George, Stephanie Hsieh, Mike Morris, and Chris Raney).

“Taking the Next Step: From ‘Unmanned’ to True Autonomy,” presented at the 17th International Command and Control Research and Technology Symposium, Fairfax, *Operationalizing C2 Agility*, Fairfax, Virginia, June 19-21, 2012 (with Robin Laird and Rachel Volner).

“More Brains, Less Brawn: Why the Future of Unmanned Systems Depends on Making Them Smarter,” presented at the 2012 Consortium for Robotics and Unmanned Systems Education and Research, Monterey, California, 7-10 May 2012.

“Promoting Australia as a Maritime Power: The Significance of the International Law of the Sea, presented at the *2012 Royal Australian Navy Sea Power Conference: The Naval Contribution to National Security and Prosperity*, Sydney, Australia, January 31-February 2, 2012 (with Sam Bateman).

GEORGE GALDORISI

Curriculum Vitae

“Making Autonomous Systems Smarter: A Future of Brains over Brawn,” presented at the *2012 Common Defense West Symposium: Key Enablers for Coalition Success*, San Diego, CA, January 23-24, 2012 (with John Robey and Rachel Volner).

“Airborne Autonomous Systems: Challenges and Opportunities,” presented at American Institute of Aeronautics and Astronautics, 2011 Centennial of Naval Aviation Forum: *100 Years of Achievement and Progress*, Virginia Beach, Virginia, September 20-22, 2011 (with Rachel Volner).

“Navy Combat Search and Rescue: Challenges and Opportunities,” presented at American Institute of Aeronautics and Astronautics, 2011 Centennial of Naval Aviation Forum: *100 Years of Achievement and Progress*, Virginia Beach, Virginia, September 20-22, 2011 (with Tom Phillips).

“Networking the Global Maritime Partnership,” presented at the *2011 McMullen Naval and Maritime History Symposium*, Annapolis, Maryland September 15-16, 2011 (with Darren Sutton and Stephanie Hsieh).

“U.S. Naval BMD: A Global Approach,” presented at 2011 National Fire Control Symposium: *Fire Control: Today, Tomorrow, and Beyond*, Lake Buena Vista, Florida, August 1-4, 2011 (with Frank Anderson, Amanda George, Gary McCown, and Rachel Volner).

“More Brains, Less Brawn: Why The Future of Unmanned Systems Depends on Making Them Smarter,” presented at the 16th International Command and Control Research and Technology Symposium, *Collective C2 in Multinational Civil-Military Operations*, Quebec, Canada, June 21-23, 2011 (with Jose Carreno and Rachel Volner).

“Aegis International and Ballistic Missile Defense: A New Interoperability Network,” presented at the 16th International Command and Control Research and Technology Symposium, *Collective C2 in Multinational Civil-Military Operations*, Quebec, Canada, June 21-23, 2011 (with Frank Anderson, Amanda George, and Rachel Volner).

“Networking the Global Maritime Partnership,” presented at the 16th International Command and Control Research and Technology Symposium, *Collective C2 in Multinational Civil-Military Operations*, Quebec, Canada, June 21-23, 2011 (with Mary Chrysler and Stephanie Hsieh).

“The Aegis Global Enterprise: A “High-End” Maritime Partnership,” presented at *The Twelfth Royal United Services Institute Missile Defence Conference*, London, United Kingdom, June 15-16, 2011.

“Naval Helicopter Aviation: Past Success and Future Opportunities – A 21st Century Revolution?” presented at the Naval Aviation Museum Foundation Symposium '11, Pensacola, Florida, May 4-6, 2011.

GEORGE GALDORISI

Curriculum Vitae

“Networking the Global Maritime Partnership to Achieve the GMP Vision,” *Common Defense West 2011: Architecture for Coalition Cooperation*, San Diego, California, January, 24-25, 2011.

“Ballistic Missile Defense: Challenges and Opportunities,” presented at the 2010 National Fire Control Symposium: Joint Fire Control Fire for the Warfighter, San Diego, CA, August 2-5, 2010 (with Frank Anderson and Rachel Volner).

“The Global Maritime Partnership: Networking Challenges and Opportunities,” presented at the 15th International Command and Control Research and Technology Symposium, Santa Monica, CA, June 22-24, 2010 (with Stephanie Hsieh).

“The Penultimate C4ISR Challenge: Reducing Military Manpower and Total Operating Costs,” presented at the 15th International Command and Control Research and Technology Symposium, Santa Monica, CA, June 22-24, 2010 (with Jose Carreno and Alan Lemon).

“Coalition Networking in a Service Oriented Architecture Environment,” presented at the 15th International Command and Control Research and Technology Symposium, Santa Monica, CA, June 22-24, 2010 (with Stephanie Hsieh, Martin Jordan, and Stephan Lopic).

“Enabling Multinational Communications with CENTRIXS,” presented at the 15th International Command and Control Research and Technology Symposium, Santa Monica, CA, June 22-24, 2010 (with Frank Bantell, Jose Carreno, and Russell Grall).

“Autonomous Systems, Challenges and Opportunities,” presented at the 15th International Command and Control Research and Technology Symposium, Santa Monica, CA, June 22-24, 2010 (with Jose Carreno, Steve Koepenick, and Rachel Volner).

“Using C4ISR Technologies to ‘Network’ the Global Maritime Partnership,” presented at the MARPAC Maritime Forces Pacific Maritime Security Challenges Conference 2010, Victoria, BC, Canada, April 26-29, 2010 (with Stephanie Hsieh, Antonio Siordia, and Rachel Volner).

“Commonwealth Naval Cooperation: Are We Ready for the Next 100 Years?” Sea Power Center-Australia 2009 ‘King-Hall’ Naval History Conference: The Commonwealth Navies: 100 Years of Cooperation, Canberra, Australia, July 29-31, 2009 (With Stephanie Hsieh and Darren Sutton).

“Rethinking Command and Control,” presented at the 14th International Command and Control Research and Technology Symposium, Washington, D.C., June 15-17, 2009 (with Jose Carreno, Stephanie Hsieh, and Antonio, Siordia).

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Curriculum Vitae

“Adopting Emerging Technology to Enhance Organizational Performance,” presented at the 14th International Command and Control Research and Technology Symposium, Washington, D.C., June 15-17, 2009 (with Jose Carreno, Stephanie Hsieh, and Antonio Siordia).

“Human Systems Integration: The Key to Achieving a U.S. Navy of 313 Ships through Effective Integration of Technology, Personnel and Training,” presented at the Human Systems Integration Symposium, Annapolis, Maryland, March 17-19, 2009 (with Jose Carreno et al).

"Making Undersea Defense a Team Sport: Networking the Global Maritime Partnership," presented at the Undersea Defence Technology Conference in Sydney, Australia, November 4-6, 2008 (with Stephanie Hsieh and Darren Sutton).

“Leveraging Emerging Technology to Maintain Corporate Situational Awareness,” presented at the 13th International Command and Control Research and Technology Symposium, Bellevue, Washington, June 17-19, 2008 (with Jose Carreno and Antonio Siordia).

“Networking the Global Maritime Partnership,” presented at the 13th International Command and Control Research and Technology Symposium, Bellevue, Washington, June 17-19, 2008 (with Stephanie Hsieh and Terry McKearney).

“Navy Ballistic Missile Defense: Operational Challenges and Technical Opportunities,” presented at the National Fire Control Symposium, San Diego, California July 29 – August 2, 2007 (with Emiliano Aragon, Tom Castle, and Dallas Wilfong).

“Communications for the Global Maritime Partnership,” presented at the Royal Australian Navy 2007 King-Hall Naval History Conference, Sydney and Canberra, Australia, July 2007 (with Don Endicott and Stephanie Hsieh).

“Composeable FORCEnet Command and Control for Undersea Defense Technology,” presented at the Undersea Defense Technology Pacific Symposium, San Diego, California, December 2006 (with Brian Richardson).

“A Technical Approach to Coalition Interoperability,” presented at the 11th International Command and Control Research and Technology Symposium, Cambridge, United Kingdom, September 2006 (with Darren Sutton).

“Maintaining Situational Awareness in Large, Complex Organizations,” presented at the 11th International Command and Control Research and Technology Symposium, Cambridge, United Kingdom, September 2006 (with Jose Carreno, Rebekah Goshorn, and Antonio Siordia).

“Maritime Domain Awareness: The Key to Maritime Security Operational Challenges and Technical Solutions,” presented at the 11th International Command and Control

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Research and Technology Symposium, Cambridge, United Kingdom, September 2006 (with Rebekah Goshorn).

“Coalition Interoperability: How Much Is Enough and How to Quantify It,” presented at the Royal United Services Institute C4ISTAR Conference, Malvern, United Kingdom, September 2006 (with Darren Sutton).

“Maintaining Situational Awareness in Organizations,” presented at the 2006 Command and Control Research and Technology Symposium, San Diego, CA, June 2006 (with Jose Carreno and Rebekah Goshorn).

“Maritime Domain Awareness: Operational Challenges and Technical Solutions,” presented at the 2006 Command and Control Research and Technology Symposium, San Diego, CA, June 2006 (with Rebekah Goshorn).

“Bridging the Operational and Technology Gap: A Process to Instantiate Maritime Domain Awareness Across the Integrated Ship Force,” presented at the Engineering the Total Ship Symposium, Fairfax, Virginia, May 2006 (with Rebekah Goshorn).

“Coalition Interoperability: How Much is Enough and How to Quantify It,” presented at the Royal Australian Navy Sea Power Conference, Sydney, Australia, January 2006.

“Composeable FORCEnet Command and Control: The Key to Energizing the Global Information Grid to Enable Superior Decision Making for Expeditionary Forces,” presented at the 2005 Expeditionary Warfare Conference, Panama City, Florida, October 2005 (with Jeff Grossman).

“Bridging the Policy and Technology Gap: A Process to Instantiate Maritime Domain Awareness,” presented at the Oceans 2005 Symposium, Washington, D.C., September 2005 (with Rebekah Goshorn).

“Building Command Centers from the Ground Up: A Multi-Disciplinary Process,” presented at the National Fire Control Symposium, Orlando, Florida, August 2005 (with Glenn Tolentino).

“A Multi-Disciplinary Approach to Building Effective Command Centers: Process and Products,” presented at the Tenth International Command and Control Research and Technology Symposium, Washington, D.C., June 2005 (with Glenn Tolentino)

“Countering a ‘Swarm’ of Fast Inshore Attack Craft,” presented at the Tenth International Command and Control Research and Technology Symposium, Washington, D.C., June 2005 (with David Galligan and Peter Marland).

“Composeable FORCEnet Command and Control: The Key to Energizing the Global Information Grid to Enable Superior Decision Making,” presented at the Ninth

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Curriculum Vitae

International Command and Control Research and Technology Symposium, Copenhagen, Denmark, September 2004 (with Jeff Grossman).

“Developing and Populating the Global Information Grid for Joint and Coalition Operations: Challenges and Opportunities,” presented at the Ninth International Command and Control Research and Technology Symposium, Copenhagen, Denmark, September 2004 (with Frank White).

“Analysis of Network-Enabled ASW Concepts of Operation,” presented at the Ninth International Command and Control Research and Technology Symposium, Copenhagen, Denmark, September 2004 (with Ralph Klingbeil and John Shannon).

“Transforming Coalition Naval Operations by Using Human Systems Integration to Reduce Warship Manning: Lessons Learned from the United States Navy DDG 51 Class Warship Reduced Manning Study,” presented at the Ninth International Command and Control Research and Technology Symposium, Copenhagen, Denmark, September 2004 (with Bob Bost).

“Composeable FORCEnet: Composeable Command and Control for Joint Warfighter Decision Making,” presented at the National Fire Control Symposium, Kauai, Hawaii, August 2004.

“Composeable FORCEnet Command and Control: The Key to Energizing the Global Information Grid to Enable Superior Decision Making,” presented at the Command and Control Research Technology Symposium, San Diego, California, June 2004 (with Jeff Grossman).

“Developing and Populating the Global Information Grid for Joint and Coalition Operations: Challenges and Opportunities,” presented at the Command and Control Research Technology Symposium, San Diego, California, June 2004 (with Dan Thigpen).

“Analysis of Network-Enabled ASW Concepts of Operation,” presented at the Command and Control Research Technology Symposium, San Diego, California, June 2004 (with Ralph Klingbeil and John Shannon).

“Composeable FORCEnet: Concept to Implementation” presented to the TTCP Network Centric Maritime Warfare Analysis Working Group at the Defense Science and Technology Organization Pyrmont, New South Wales, Australia, April 2004.

“Composeable FORCEnet: Composeable Command and Control for Superior Decision Making” presented at the ASNE/NAVSEA Engineering the Total Ship Forum, Gaithersburg, Maryland, March 2004 (With Jeff Grossman et al).

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Curriculum Vitae

“The United States Navy and FORCEnet – The Way Ahead” presented to the TTCP Network Centric Maritime Warfare Analysis Working Group, at the Defense Science and Technology Laboratory, Portsmouth, United Kingdom, September 2003.

“Human-System Technology, Automation, and Personnel Cost: Tradeoffs Toward Transformation,” presented at the Eighth International Command and Control Research Technology Symposium, Washington, D.C., June 2003 (With Glenn Osga).

“Information Superiority in Coalition Operations: Imperatives for Success: Achieving Intelligence, Surveillance and Reconnaissance Dominance,” presented to the TTCP Network Centric Maritime Warfare Analysis Working Group, at HMNZ Naval Base, Auckland, New Zealand, November 2002.

“Achieving Information Superiority in Coalition Operations: Seven Imperatives for Success,” presented at the Seventh International Command and Control Research Technology Symposium, Quebec City, Quebec, Canada, September 2002 (With Tom Kaye).

“Countering Terrorism in the Maritime Arena: A Functional Approach to Finding New Technologies,” presented at the Fifteenth Annual United States Pacific Command Military Operations and Law Symposium, Bangkok, Thailand, June 2002.

“Achieving Information Dominance: Seven Imperatives for Success,” presented at the Command and Control Research Technology Symposium, Monterey, California, June 2002 (With Tom Kaye).

“C4ISR for Homeland Security: The Maritime Dimension – A Functional Approach,” presented at the 2002 Joint C4ISR Symposium - “C4ISR Now,” San Diego, California, April 2002.

“Military Activities in Exclusive Economic Zones,” presented at the Fifteenth Annual United States Pacific Command Military Operations and Law Symposium, Honolulu, Hawaii, April 2001.

REGULAR COLUMNS

Rotor Review: A View from the Labs

Rotor Review: Writing Tips

GEORGE GALDORISI

Curriculum Vitae

PANELS MODERATED

“NHA Writer’s Panel,” *Naval Helicopter Association National Symposium*, San Diego, CA, October 7, 2021.

“Is the Navy Ready for the Unmanned Revolution?” *AFCEA/USNI West Symposium*, San Diego, CA, June 29-30, 2021.

“Will Artificial Intelligence Change Naval Warfare: Are We Ready If It Does?” *AFCEA/USNI West Symposium*, San Diego, CA, March 2-3, 2020.

“War on Air, Sea and Land: Writing About War,” *San Diego Union Tribune/UC San Diego, Festival of Books*, August 24, 2019.

“NHA Writer’s Panel,” *Naval Helicopter Association National Symposium*, San Diego, CA, May 16, 2019.

“Producing Unmanned Systems the Navy and Marine Corps Can Employ,” *AFCEA/USNI West Symposium*, San Diego, CA, February 13-15, 2019.

“What Does the Existence of Tilt Rotor Aviation Mean for the Future of the Rotary Wing Community?” *AFCEA/USNI West Symposium*, San Diego, CA, February 6-8, 2018.

“Air and Space Industry Seminar,” *2017 Pacific Operational Science and Technology Symposium*, Honolulu, Hawaii, March 6-10, 2017.

“Secure Interoperability and Coalition C4I,” *AFCEA C4ISR Symposium, The Evolving Definition of Navy Cyber: How C4I, Combat Systems, HM&E and the Navy Enterprise are Redefining the Cyber Battlespace*, San Diego, CA, April 27-29, 2015.

“How Will Non-Kinetic Cyber Warfare and Kinetic Warfare be Integrated in the Future?” *AFCEA C4ISR Symposium, Bringing Actionable Cyber Capabilities to the Fleet*, San Diego, CA, April 22-24, 2014.

“Manned and Unmanned Systems: What is the Right Mix?” *Joint Warfighting Conference: Joint Forces’ Inflection Point: What to Hold and What to Fold?* Virginia Beach, Virginia, May 15-17, 2012.

“Commander’s Future Requirements and Challenges,” *U.S. Pacific Command 2012 Pacific Operational Science & Technology Symposium and Exhibition*, Honolulu, Hawaii, March 19-23, 2012.

“Research and Development Community,” *U.S. Pacific Command 2012 Pacific Operational Science & Technology Symposium and Exhibition*, Honolulu, Hawaii, March 19-23, 2012.

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Curriculum Vitae

“Department of Energy Responses to Challenges,” *U.S. Pacific Command 2012 Pacific Operational Science & Technology Symposium and Exhibition*, Honolulu, Hawaii, March 19-23, 2012.

“Defense Budgets: Perspectives and Priorities,” *2012 Common Defense West Symposium: Key Enablers for Coalition Success*, San Diego, CA, January 23-24, 2012.

“Autonomous Vehicles in a Denied Environment,” *2011 AFCEA C4ISR Symposium: Assuring Information Dominance in a Denied C4ISR Environment*, San Diego, California, April 5-8, 2011.

“Breakthrough Technologies: Autonomous Vehicles, Directed Energy, and Space Defense,” *U.S. Pacific Command 2011 Pacific Operational Science & Technology Symposium and Exhibition*, Honolulu, Hawaii, March 14-17, 2011.

“Recapitalizing Defense – Perspectives and Priorities,” *Common Defense West 2011: Architecture for Coalition Cooperation*, San Diego, California, January 24-25, 2011.

“Networking Imperatives,” Assistant Secretary of Defense for Acquisition, Technology & Logistics *Common Defense West 2010: Advancing Force Multiplicity*, San Diego, California, February 1-2, 2010.

“The Pacific Rim: The Way Ahead,” Armed Forces Communications Electronics Association’s *TechNet Asia-Pacific: Cyber Operations: A Multi-National Challenge*, Honolulu, Hawaii, November 2-5, 2009.

“Maritime Domain Awareness: The C4ISR Road Ahead,” United States Naval Institute/Armed Forces Communications Electronics Association’s *South 2008: Joint Challenges-Joint Solutions*, Miami, Florida, October 7-9, 2008.

“Joint C4ISR: The Warfighter’s Panel,” United States Naval Institute/Armed Forces Communications Electronics Association’s *West 2007: The Road Ahead for DoD*, San Diego, California, January 30-February 1, 2007.

“Enabling C4ISR for the Navy-after-Next,” United States Naval Institute/Armed Forces Communications Electronics Association’s *West 2005: Enabling the Joint Warfighter*, San Diego, California, February 1-3, 2005.

“Global IT: Engineering Solutions for the Road Ahead,” *Los Angeles Global IT Convergence Conference*, Los Angeles, California, May 12-13, 2003.

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Curriculum Vitae

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PUBLISHED ARTICLES

National Media, Professional Journals and Conference Proceedings

“Fly, Fight and Win – Then What?” *Wings of Gold*, Fall 2021/Winter 2022

“Operating a “Hybrid Fleet:” Integrating Manned Ships and Uninhabited Maritime Systems,” *Asia-Pacific Defence Reporter*, December-January 2021

“Write It Down – Then Turn It Loose.” *Shipmate Magazine*, November-December 2021.

“A New Imperative for Ocean Observation, *RUSI Defence*, November 15, 2021.

“Meeting the Imperative of Comprehensive Ocean Observation,” *International Ocean Systems*, September-October 2021.

Book Review: “Rebooting AI: Building AI We Can Trust,” *U.S. Naval Institute Proceedings*, November 2021.

“A New Generation of Military Unmanned Vehicles,” *Second Line of Defense*, September 23, 2021.

“Leveraging Artificial Intelligence and Machine Learning To Accelerate Man-Machine Teaming In Military Weapons Systems,” *Proceedings of the Naval Postgraduate Warfare Innovation Continuum Workshop Hybrid Force 2045*, September 20, 2021.

“Rotary Wing Aviation Can Lead the Way to Think Outside the Box to Defeat Deadly Sea Mines,” *Rotor Review*, Summer 2021.

“Supporting the Surface Fleet with Unmanned Systems: A Concept of Operations for Nested Unmanned Surface Vehicles,” *Surface SITREP*, Summer 2021.

“Exploring New Horizons for Ocean Observation,” *Hydro International*, August 24, 2021.

“Algorithms of Armageddon: What Happens When We Insert AI Into Our Military Weapons Systems?” *Proceedings of the John Hopkins University Applied Physics Laboratory Colloquium*, July 16, 2021 (with Sam Tangredi).

“From Aspiration to Combat Capability: Unmanned Systems Integrated Battle Problem 21,” *Defense.Info*, July 16, 2021.

“How Can We Use Big Data, Artificial Intelligence and Machine Learning to Make Our Naval Weapons Systems More Effective?” *Proceedings of the Naval Postgraduate School AI/ML COI Seminar*, July 9, 2021.

“From AI Hype to AI Proof,” *Signal Magazine*, July 2021 (with Sam Tangredi).

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Curriculum Vitae

“Algorithms of Armageddon: What Happens When We Insert AI Into Our Military Weapons Systems?” *Proceedings of the Strategic Multilayer Assessment Seminar*, June 3, 2021 (with Sam Tangredi).

“The Importance and Applications of Artificial Intelligence to Naval Operations,” *Proceedings of the Maritime Security Challenges Conference*, April 28, 2021 (with Sam Tangredi).

“Ships, Planes, Tanks, Algorithms: What Will We Need to Prevail in the Coming Conflict?” *Proceedings of the Naval Postgraduate School Capstone Continuum*, April 21, 2021 (with Sam Tangredi).

“Addressing Australia’s Strategic Vulnerabilities At Home and Abroad,” *The Navy* (Journal of the Navy League of Australia), April-June 2021.

“Australia’s Ocean Observation Challenge,” *Asia-Pacific Defence Reporter*, April-May 2021.

“How Can the U.S. Army Effectively Leverage Leading-Edge Technologies? Are There Rewards and Risks?” *Proceedings of the U.S. Army Training and Doctrine Command “Mad Scientist” Forum*, April 14, 2021 (with Sam Tangredi).

“How Can We Accelerate the Insertion of Leading-Edge Technologies Into Our Military Weapons Systems?” *Proceedings of Naval Postgraduate CRUSER Workshop*, April 5, 2021 (with Sam Tangredi).

“A New Imperative for Ocean Observation,” *Ocean News and Technology*, April 2021.

“Understanding AI and Its Military Applications,” *The Bridge*, Spring 2021 (with Sam Tangredi).

“AI Priorities, Requirements and On-Ramps for Industry-Military Teaming,” *Proceedings of the National Defense Industrial Association National Security and AI Conference*, March 23-25, 2021 (with Sam Tangredi).

“Taming the Data Deluge,” *U.S. Naval Institute Proceedings Online*, March 2021.

“Harnessing Artificial Intelligence: Fly, Fight and Win,” *Wings of Gold*, Winter 2021.

“Enhancing Port and Harbour Security with Unmanned Surface Vehicle Technology,” *RUSI Defence Systems*, December 3, 2020.

“Using Unmanned Systems to Enhance Ocean Observation,” *ROV Planet*, December 2020.

“Defense Innovation Secrets: Providing AI Solutions the U.S. Military Needs,” *Proceedings of the Defense TechConnect Virtual Innovation Summit and Expo*, November 17-19, 2020 (with Sam Tangredi).

GEORGE GALDORISI

Curriculum Vitae

“Delivering Logistics Sustainment in a Contested Environment: The Case for a ‘Russian Dolls’ Approach,” *Proceedings of the Defense TechConnect Virtual Innovation Summit and Expo*, November 17-19, 2020.

“Keeping Sailors Out of the Minefield While Surging the Surface Force to the Fight,” *Surface SITREP*, Fall 2020.

“Enhancing the Effectiveness of Port and Harbor Security,” *Ocean News & Technology*, November 2020.

“When Things Go Amiss: Lessons for Successful International Partnerships in the Defense Research and Development Community,” *Proceedings of the 25th International Command and Control Research and Technology Symposium*, November 10-12, 2020 (with Jose Carreno, Clare Morton and Paul Shigley).

“Enhancing Australia’s Port and Harbor Security: Adding to the Kit,” *Asia-Pacific Defence Reporter*, October 2020.

“Re-Shaping Port Security,” *International Ocean Systems*, September/October 2020.

“Making a New War Plan Blue *Work*: Leveraging Unmanned Maritime Systems,” *Proceedings of the Naval Postgraduate School CRUSER Warfare Innovation Continuum Workshop*, Monterey, CA, September 21-24, 2020.

“Harness Off-the-Shelf Mine Countermeasures Solutions,” *U.S. Naval Institute Proceedings Online*, July 2020.

“USVs: A Solution for Inspecting Dams and Guarding Waterways,” *Marine Technology News*, June 29, 2020.

“Enhancing Expeditionary Logistics with Emerging Technology: The Impact of Unmanned Surface Vessels,” *Second Line of Defense*, June 28, 2020.

“Warfighting Demands Better Decisions. Who Will Make Them: A Man or a Machine?” *U.S. Naval Institute Proceedings*, June 2020.

“Creating a Convergence of Technologies to Defeat the Deadly Fast Inshore Attack Craft Threat Before 2050,” *U.S. Army TRADOC Mad Scientist Blog*, June 22, 2020.

“Enhancing Port and Harbour Security with Unmanned Surface Vehicles,” *Hydro International*, May/June 2020.

“Dealing With Compelling Maritime Threats: The Case for Unmanned Systems,” *Asia-Pacific Defence Reporter*, May 2020.

“Ensuring Port and Harbor Security with Unmanned Surface Vehicles,” *Defense.Info*,

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Curriculum Vitae

April 15, 2020.

“Employing Unmanned Surface Vehicles to Enhance Port and Harbor Security,” *Second Line of Defense*, April 3, 2020.

“Securing Offshore Oil and Gas Infrastructure with Unmanned Surface Vehicles,” *Hydro International*, March/April 2020.

“Safeguarding Harbors: USVs Increase Coverage for Port Security,” *Sea Technology*, March 2020.

“Unmanned Systems Take the Sailor Out of the Minefield,” *Defense.Info*, February 20, 2020.

“Enhancing Harbor Security with Unmanned Surface Vehicles,” *ROV Planet*, Quarter 1, 2020.

“Focusing on the AMCM Mission – and Beyond: Getting the Sailor out of the Minefield,” *Rotor Review*, Winter 2020.

“Defeating Weapons That Wait With Unmanned Systems,” *Second Line of Defense*, January 16, 2020.

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“Case Study: Using Unmanned Surface Vehicles for Bathymetric Dam Imaging,” *Ocean News and Technology*, November 25, 2019.

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