



USNDA 2024 CONFERENCE BRIEF SHEET

Agenda

0800 - 0900: Check-in // Coffee // Networking

START TIME

0900 - 0905 **President Garry Jones, Full Sail University // Welcome**

Central Florida Academic Footprint and Key Leader Consortium Overview

0905 - 0915 **USNDA Board of Directors Opening Remarks, Strategic & Operational Overview**

0915 - 0945 **Lieutenant General Dagvin DM Anderson // Joint Chiefs of Staff - Joint Forces Development**

Current/Future Threat Environment; Impacts to Future Operating Environment; Enhanced Role of Industry, R&D, Academia to Meet Emergent Warfighter Needs

0945 - 1005 **Brigadier General Simon M Doran // Marine Corps Warfighting Laboratory - Vice Chief, ONR**

Collaboration in Cold War II; Integrating Emerging Technology at the Speed of Relevance

1015 - 1100 **Recent Requirements Panel // cUAS and sUAS Demonstration & Evaluation Challenges**

Moderator & Panelists: SOCOM // DIU BlueUAS / MCWL // USMC CD&I

1100 - 1200 CHOW

1200 - 1230 **Academics as a Tactical Asset: Closing the Gap from Ideation to Integration**

Moderator & Panelists: Tean Orlando // Full Sail // Air Force Academy // Naval Academy

1230 - 1315 **Global Update: Battlefield Innovation to Industrialization**

Moderator & Panelists: CNA, EUCOM, INDOPACOM

1330 - 1415 **The State of Florida as a National Industrial Capability; Testing, Manufacturing & Regulating**

Moderator & Panelists: Florida Congressional Legislature // FL Defense Commission // FloridaMakes

1415 - 1630 **Strategic Focused Working Groups**

Group 1: Designing the 2025 National Drone Games, DroneWERX, and Drone Wars

Led by: SOCOM // MCWL // AFRL

Group 2: Designing a Unified Architecture for Experimentation

Led by: AI & Supply Chain DoD & Industry Leaders

Group 3: Improving Technical Collaboration for Drone Control and Maneuver in Contested Electromagnetic Spectrums

Led by: USMC MSCS, CDAO

Group 4: Strengthening the Drone and CUAS Industrial Base

Led by: ONR, DIU, NDIA

1645 - 1715 **Working Group Panel // Outcomes, Recommendations, & USNDA Closing Remarks**



USNDA 2024 CONFERENCE BRIEF SHEET

0915 - 0945 Lieutenant General Dagvin DM Anderson // Joint Chiefs of Staff - Joint Forces Development

Current/Future Threat Environment; Impacts to Future Operating Environment; Enhanced Role of Industry, R&D, Academia to Meet Emergent Warfighter Needs



Lt. Gen. Dagvin R.M. Anderson is the Director for Joint Force Development, Joint Staff, the Pentagon, Arlington, Virginia. The J7 supports the Chairman Joint Chiefs of Staff (CJCS) and the joint warfighter through joint force development (JFD) in order to advance the operational effectiveness of the current and future joint force. The J-7 is responsible for the six functions of joint force development: Doctrine, Education, Concept Development & Experimentation, Training, Exercises and Lessons Learned.

Originally from Ypsilanti, Michigan, Lt. Gen. Anderson was a distinguished graduate of the ROTC program at Washington University in St. Louis. He has flown the KC-135R, MC-130E, and U-28A operationally in several contingencies globally. He commanded a special operations squadron, an expeditionary squadron, an operations group, a special operations wing, and Special Operations Command, Africa. He was also the commander of JTF-Quartz, the repositioning of U.S. forces from Somalia. He was a Fellow at the Weatherhead Center for International Affairs at Harvard University and was an Olmsted Scholar in the Czech Republic. Lt Gen Anderson has completed six joint staff tours at various echelons. He has two daughters and is married to Elizabeth, a native of Bangor, Maine.

SUMMARY OF JOINT ASSIGNMENTS

1. September 2005-August 2007, Deputy Director of the Commander's Action Group, Aide-de-Camp to the Commander, United States Special Operations Command, MacDill AFB, Fla., as a major and lieutenant colonel
2. July 2013-June 2014, Senior Aviation Advisor for Counter-Terrorism Operations, Office of the Under Secretary of Defense for Policy, Special Operations/Low-Intensity Conflict, the Pentagon, Arlington, Va., as a colonel
3. July 2016-June 2017, Special Assistant to the Commander and Director of the Commander's Strategic Initiative Group, United Nations Command-Combined Forces Command-U.S. Forces Korea, Yongsan Garrison, South Korea, as a colonel
4. June 2017-June 2019, Deputy Director for Operations, Headquarters, U.S. Indo-Pacific Command, Camp H.M. Smith, Hawaii, as a brigadier general
5. June 2019-July 2021, Commander Special Operations Command-Africa, Stuttgart, Germany, as a major general
6. July 2021-August 2022, Vice Director, Operations, Joint Staff, the Pentagon, Arlington, Va., as a major general
7. August 2022-Present, Director for Joint Force Development, the Pentagon, Arlington, Va., as a lieutenant general

FLIGHT INFORMATION

Rating: command pilot

Flight Hours: more than 3,400 (738 combat)

Aircraft Flown: T-37, T-38, KC-135R/T, C-130E, MC-130E/H/P/J, HC-130P/N/J, AC-130U, UH-1N, TH-1, HH-60, Mi-17, MH-6, MV-22, CV-22, PC-12 and U-28A



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0945 - 1005

Mr. Scott Lacy - Deputy Director // Marine Corps Warfighting Laboratory

Collaboration in Cold War II; Integrating Emerging Technology at the Speed of Relevance



Mr. Lacy retired from the Marine Corps as a colonel in 2017. During his 25-year career, he commanded artillery units at the platoon, battery, and battalion level and served as a combat advisor team leader during Operation Iraqi Freedom. His non-Fleet Marine Force tours included serving at Headquarters Marine Corps as the Artillery Occupational Field Sponsor for the Deputy Commandant (DC) for Plans, Policies, and Operations and as the Branch Head for POM Development for the DC for Programs and Resources. Scott served on the Joint Staff as a special assistant to the 18th Chairman of the Joint Chiefs of Staff and later as the Marine Corps representative to the Deputy Secretary of Defense-led Advanced Capabilities and Deterrence Panel (ACDP).

Upon transitioning from the Marine Corps, Scott joined Deloitte Consulting LLP. He spent several years advising senior executive clients in the defense and intelligence communities on emerging technology projects. He specialized in aligning strategy, resources, and Congressional engagement in support of technology implementation.

Scott returned to his roots and joined the Marine Corps Warfighting Lab as Chief of Staff in July 2020. He assumed the duties of Deputy Director in 2023.



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1015 - 1100

Recent Requirements Panel // cUAS and sUAS Demonstration & Evaluation Challenges

Moderator & Panelists: SOCOM // DIU BlueUAS / MCWL // USMC CD&I



Moderator: Mr. Carlos Flores, USNDA Steering Committee Member



Panelist: Colonel Justin L. Highley, U.S. Army Combat Capabilities Development Command Commander of the Technology Development Directorate-Aviation, Systems Integration Directorate, leading S&T development and prototyping efforts for the aviation enterprise.



Panelist: LtCol Hugo "Gonzo" Gonzalez Office of Naval Research Marine Corps Warfighting Laboratory Liaison overseeing an Expeditionary S&T portfolio consisting of Applied research for Naval Air Platforms, Autonomous UxV's, cUAS, Kinetic Weapons, and Directed Energy



Panelist: Major Shelby Ochs, Marine Corps Warfighting Laboratory, Science and Technology Division - Rapidly Capabilities Office // Co-creator BlueUAS List, former Defense Innovation Unit



Panelist: Major Jason "Paddles" Dempsey, U.S. Marine Corps Capabilities Development Directorate (requirements unit) GBAD capabilities officer – Mobile, Fixed Site, and Dismounted CUAS Grp 1-5, counter manned A/C, counter cruise missile



Panelist: Major Nicholas "Rodney" Guilbeault, Air Force Research Laboratory, Multi Domain Operations R&D portfolio lead at AFRL-RI (Information Directorate)/High Performance Systems Branch. Future Flag Deputy Program Manager- Ecosystem driving innovation in EW, signals, UAS/CUAs, AI computing



Panelist: Captain Luke Bergeron, Lead Engineer, SDR Test and Integration at AFRL/RI. Project ZEUS Program Manager - designing low-cost, long-range, fixed-wing group 2-3 UAVs



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1200 - 1230

Academics as a Tactical Asset:

Closing the Gap between Ideation & Integration



Moderator: Nathan Ecelbarger, USDNA Board Director



Ryan Craig Managing Director, Author, Founder - Future of Work & Apprenticeships

Regular contributor- education and workforce *Gap Letter*, *Forbes*, and *Inside Higher Education*. Author: *Apprentice Nation*: the critical importance of last-mile training and the emergence of bootcamps // the coming shift toward competency-based education and hiring. Co-founder of *Apprenticeships for America*, a national nonprofit dedicated to scaling apprenticeships across the U.S. economy and is a senior fellow at the Progressive Policy Institute.



CAPT Tom Robertson, USN (Ret.)

Associate Dean of Emerging Programs at the U.S. Naval Community College.

Founding Director of the U.S. Naval Academy's Forum on Emerging and Irregular Warfare Studies where he recently taught as a Distinguished Military Professor. A career naval aviator in the electronic attack community, as well as a weapons school-qualified electromagnetic spectrum tactics instructor, CAPT Robertson led on the ground and in the air during multiple combat deployments to Iraq, Afghanistan and the Former Yugoslavia. He holds degrees from both the U.S. Naval Academy and Georgetown University's Walsh School



Dr. Haifa Maamar

Executive Director of Emerging Technologies at Full Sail University

Executive Director over Full Sail's programs in Artificial Intelligence, Data Science, Augmented and Virtual Reality, Simulation, Software, Gaming, Information Technologies, Cyber Security. Elected to the Board of National Center for Simulation



Sheena Fowler, Team Orlando

As Vice President of Innovation for the Orlando Economic Partnership, Sheena led the vision for strategic initiatives and alliances with a focus on technology, entrepreneurship and modeling & simulation. Currently the Vice President of Strategic Engagements at Red6.



USNDA 2024 CONFERENCE BRIEF SHEET

1230 - 1315

Global Update: Battlefield Innovation to Industrialization

Moderator & Panelists: CNA, EUCOM, INDOPACOM



Moderator: Samuel Bendett, Researcher at Center for Naval Analysis conducting research and analysis of Russian advanced and emerging military technology - unmanned and autonomous military systems, military robotics and Artificial Intelligence, and Russian security, defense and geopolitical trends and developments.



Panelist: U.S. Marine Corps Colonel Glenn McCartan, Defense Innovation Unit, Embed to U.S. European Command, Head of Regional Partnerships, DIU's primary representative and engagement lead to the U.S. European Command. finding cutting-edge commercial and emerging technology solutions to address critical national security problems.



Panelist: Sergiy Koshman: Ukrainian Defense Innovation Managing Director, air-defence technology solutions for national defence and critical infrastructure Former head of International Partnerships and Cooperation at Brave1, Ukrainian Defense Tech cluster co-founded by the Ministry of Digital Transformation of Ukraine, the Ministry of Defence of Ukraine, the General Staff of the Armed Forces of Ukraine, the National Security and Defense Council of Ukraine, the Ministry of Strategic Industries of Ukraine, the Ministry of Economy of Ukraine.



Panelist: U.S. Air Force LtCol Jeff Wright, Chief of Fires and Autonomy, Special Operations Command Pacific.



USNDA 2024 CONFERENCE BRIEF SHEET

1330 - 1415

The State of Florida as a National Industrial Capability; Testing, Manufacturing & Regulating

Moderator & Panelists: Florida Congressional Legislature // FL Defense Commission // FloridaMakes



Moderator & Panelist: CAPT Rick Miller (USN, ret)

SECNAV S&T Advisory Board // Vice Chairman, Florida Defense Alliance - grassroots consortium of representatives of defense-related organizations including government, defense industry, economic development organizations and other interested parties who come together in order to protect, promote and enhance the military value of Florida's installations and missions).



Panelist: Florida Senator Tom A. Wright

R) District 14 (consists of parts of Brevard, Volusia counties) Chairman, Senate Committee on Military and Veterans Affairs, Space, and Domestic Security, and Chair of the Florida Defense Support Commission.

The mission of the Commission is to make recommendations to preserve and protect military installations to support the state's position in research and development related to or arising out of military missions and contracting and to improve the state's military-friendly environment for service members, military dependents, military retirees, and businesses that bring military and base-related jobs to the state).



Panelist: Mr. Kevin Carr Chief Executive Officer, Florida Makes

FloridaMakes is a service designed to strengthen Florida's high-wage manufacturing sector. Focused on helping small and medium-sized manufacturers generate business results and thrive in today's technology-driven economy, FloridaMakes represents the MEP National Network comprises the National Institute of Standards and Technology's Manufacturing Extension Partnership (NIST MEP), the 51 MEP Centers located in all 50 states and Puerto Rico, and over 1,300 trusted advisors and experts at more than 400 MEP service locations, providing any U.S. manufacturer with access to resources they need to succeed. In 2018, the MEP National Network connected with 27,700 manufacturers, leading to \$16.0 billion in sales, \$1.7 billion in cost savings, \$4 billion in new client investments, and helped to create and retain more than 122,000 U.S. manufacturing jobs.



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1415 - 1630

Strategic Focused Working Groups

National Drone Games // U.S. DroneWERX // National Drone Wars



Moderator: LtCol Marcus Rossi (USMC, ret)
USNDA Executive Committee Member & Operations Director

Former Director of Programs, Emerging Technology Portfolio, Marine Corps Warfighting Laboratory. Developed and wrote MCWL's business plan for full-scope analysis of an emerging technology portfolio of unmanned systems, communications, cloud applications, sensors, robotics, cyber capabilities, mobility, and logistic systems to achieve competitive advantages and design the Marine Corps' role long-term investment and development strategy.

Room 131

Group 1: Designing the 2025 National Drone Games, DroneWERX, and Drone Wars

Facilitators:

Mr. Carlos Flores, USNDA

Major Nicholas "Rodney" Guilbeault, Air Force Research Laboratory

Room 112

Group 2: Designing a Unified Architecture for Experimentation

Facilitator:

Dom Romano, USNDA AI Steering Committee, U.S. Lead, AI for Radiology at United Nations

Room 113

Group 3: Improving Technical Collaboration for Drone Control and Maneuver in Contested Electromagnetic Spectrums

Facilitators:

LtCol Kevin McQueary, Enterprise Platforms and Services, Chief Digital AI Office

Major David Martin, Head of sUAS Testing & Integration, Marine Corps Systems Command

Room 130

Group 4: Strengthening the Drone and CUAS Industrial Base

Facilitators:

Major General Edward Dorman (Army, ret) Chair, Contested Logistics Subcommittee NDIA

Colonel Howie Maratto, Office of Naval Research

Major Shelby Ochs, USMC MCWL

1645 - 1715

Main Auditorium

Working Group Panel // Outcomes, Recommendations, & USNDA Closing Remarks



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USNDA Board of Directors Welcome Message

Dear Sir or Ma'am,

On behalf of the Executive Steering Committee of the United States National Drone Association (USNDA), we are pleased to welcome you as **valued participant** in the USNDA's first annual National Drone Conference.

Your input matters. The USNDA was formed as a strategic capability to enable nationwide efforts that reverse the reliance and dominance of China's drone and component global market share and replace tactical complacency with critical transparency in the applications and implications of small drone, drone swarm, and counter drone technologies across all of government stakeholders.

This year's event is structured intentionally as a key leader summit with working groups. Information exchange in our panels and deliberate generation of outputs and objectives during the working groups is critical to the success of the USNDA's mission; to rapidly and responsibly accelerate an American drone industrial base through **transparent** and **collaborative relationships** between academia, industry, federal and state government, and international partners.

We are grateful for your presence and perspective to help align USNDA's strategy with national interest.

THE USNDA SPONSORED EVENTS

UPDATE GAPS

2024 NATIONAL DRONE CONFERENCE™

Full spectrum stakeholder working group summit to convene communities of shared interest and level set shared problems and crowdsource solutions

IDENTIFY GAPS

CROWD SOURCE SOLUTIONS

2025 NATIONAL DRONE WARS™

A closed event designed to challenge the current sUAS and cUAS capabilities and TTPs, using curated scenarios across National Defense & Security partners.

2025 NATIONAL DRONE GAMES™

Academic hackathons for Academic Sponsor and Student Experimentation Team (ASSET) **prototypes** and **components** advancing drone, counter drone, and swarming technology.

2025 National DroneWERX™

challenging established players and empowering agile innovators, DroneWERX provides the national arena for technological advancement and industry disruption

FIELD TESTING & EXPERIMENTATION

INTEGRATE &/Or SCALE

CATALOG CAPABILITIES

AWARD ACADEMIC INNOVATION

DISTRIBUTE AARS

YOU ARE HERE



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- **Main Conference Location:** The rendezvous location is the [Full Sail Live venue](#) at 141 University Park Drive Winter Park Fl 32792. The closest airports are Orlando International Airport (MCO) and Orlando Sanford International Airport (SFB), both approximately 30 minutes from the main Campus.
- **CLASSIFICATION:** This event is UNCLASSIFIED
- **Attire:** Service uniforms are approved but not required. Other attire; business casual
- **Meal Plan:** Coffee, light refreshments, and lunch will be provided
- **Distribution:** This is an approved attendance confirmation brief and is non-transferrable. If you believe there are additional personnel who should be attending please forward the registration link at www.usnda.org
- **Chatham House Rules:** All discussions will be unclassified. Due to the sensitivities of these issues, we kindly request you refrain from posting on social media (e.g. LinkedIn) before or during the event, or without the consent of the participants. Panels, presentations, and breakout sessions will be under the “[Chatham House Rule](#),” meaning participants are free to use the information received during the discussions, but the identity and affiliation of the speakers and participants should not be revealed. The forum is an information exchange only, and any agreements made are in principle only and will not be construed as contractually binding unless otherwise specifically agreed upon.
- **Media Attendance:** No members of media have been invited, and all commentary is off-record.
- **USNDA Internal Media and Depiction Release:** The USNDA will obtain some internal media coverage of the event for a public post-event summary and limited distribution. All depiction and/or quotes will be used only with obtained individual permission prior to public release.
- **Operational Security / Open Environment:** Full Sail University is an active and open academic campus with limited campus security in the main venue and across campus. Please be maintain situational awareness in public areas. Working Group break-outs will in closed door presentation environments for heightened scrutiny for participants. .
- **I/ITSEC:** For individuals attending I/ITSEC in Orlando, the Orange County Convention Center is located approximately 45 minutes by car from Full Sail University.
- **Ongoing Participation:** invitation recipients are encouraged to attend for educational purposes and to assess future participation commitments. By attending, there is no expectation for you, or the organization/command to represent, to commit to or endorse the USNDA and its purpose. Any decision for personal or organizational involvement will be at your own discretion and subject to your command or organizations review and approval.
- **POSTPONED: “Solutions Snapshot”;** Vendor technology demonstrations have been postponed due tightened event agenda. The USNDA committee will follow up on submitted demonstration requests for participation in a to-be-announced follow up presentation opportunity to USNDA attendees.
- **Contact:** For any questions regarding the event please email registration@usnda.org