

# Army Logistics Roundtable

## Committee

### Duncan McGill

#### Chair

Dr. Duncan McGill is retired with forty years of service in defense, intelligence, and academic communities. Currently, McGill serves on the Board of Army Research and Development and as member of the Governance Committee of the International Association for Intelligence Education board. Previously, he served as Dean of the Ridge College of Intelligence Studies and Applied Sciences at Mercyhurst University where he led the development of their cyber education programs. He spent ten years in the National Intelligence University as an associate dean, faculty member, and cofounder of the Anthony G. Oettinger School of Science and Technology Intelligence. As the associate dean of the College of Strategic Intelligence, he led the Master of Science program in Strategic Intelligence and the Bachelor of Science program in Intelligence, along with seven graduate certificate programs. He managed the academic, personnel, financial and administrative affairs of the college while communicating its vision and goals to the intelligence community, U.S. Department of Defense, and the academic community. His research focuses on opportunity and risk concerning the intersection of people and technology and other science and technology issues affecting U.S. national security and strategy, among them cyber, weapons of mass destruction, emerging and disruptive technologies, conflict in the gray zone, supply chain disruption, war gaming, and IED capabilities. McGill is a retired U.S. Army Lieutenant Colonel, serving as a multi-functional logistician and Nuclear and Combating Weapons of Mass Destruction Officer. He held joint duty assignments outside the Army at the Defense Threat Reduction Agency, The Joint Staff, and the Defense Intelligence Agency. Over the years, his deployments and travel have taken him to more than two dozen countries. McGill earned his doctorate in biological defense from George Mason University, his Master of Science in national resource strategy from the National Defense University, a Master of Arts in procurement management from Webster University, and a Bachelor of Science in mechanical engineering from the University of Missouri. As a member of the Board on Army Research and Development, he previously served as cochairman of the strategic surprise forum.

## **Christopher Baldwin**

### **Member**

LTC Chris Baldwin currently serves as an instructor and chief of curriculum development in the Department of Sustainment and Force Management, US Army Command and General Staff College where he develops and delivers impactful, master's degree level education to enable future Army leaders to achieve intellectual overmatch against our adversaries.

Previously Chris served at the US Special Operations Command as the Chief of the J4's Logistics Innovation Cell where he was the project owner for a machine learning logistics application. He also served as an Interagency Fellow at the United States Department of Transportation. In this role he coordinated national security policy pertaining to the DOT and Transportation Systems Sector with a focus on resiliency, cybersecurity, and countering unmanned aerial systems. Throughout his career he has served in command and staff positions in both combat arms and logistics units. He has been recognized for leadership, innovation, management, strategic vision, mentorship and valor in combat.

He is a graduate of the US Army Ranger School, Airborne School, and Unconventional Warfare Operational Design Course and has numerous awards and decorations including the Combat Infantry Badge, Combat Action Badge, Bronze Star Medal, Meritorious Service Medal, and Army Commendation Medal with "Valor" device.

## **Mark F. Costello**

### **Member**

Dr. Mark F. Costello is the William R. T. Oakes Professor and Chair of the School of Aerospace Engineering at Georgia Tech, where he is responsible for leadership of the school, as well as all administration and financial management of the department. Previously, he was posted at the Tactical Technology Office at the Defense Advanced Research Projects Agency (DARPA), where he served as a program manager. Prior to joining DARPA, Dr. Costello served as the David Lewis Professor of Autonomy in the Schools of Aerospace Engineering and Mechanical Engineering at Georgia Tech, where he taught in the areas of dynamics, controls, and design. His research team is noted for creating innovative new technologies, such as robotic landing gear for rotorcraft, bleed air control of parafoils, and direct impact control of smart projectiles. This research has led to formation of start-up companies. He founded and serves as the CEO of Earthly Dynamics Corporation, a company that develops and fields new guided airdrop system technology. He also co-founded the Persimia Corporation that provides web-based environmental impact assessment analysis tools for wind energy system installations. Dr. Costello received his B.S. in aerospace engineering from Pennsylvania State University, and his M.S. and Ph.D. in aerospace engineering from the Georgia Institute of Technology.

## **William S. Crowder**

### **Member**

Mr. Crowder has extensive experience in long-range planning, strategic mobility management, concepts and doctrine development, technology assessments, and the use of information technology gained during his 26-year Army career and as a research program manager. He is currently focused on DARPA initiatives in relation to Supply Chains and the Internet of Things. He is a former member of the Army Science Board. Mr. Crowder led the teams for investigations of Future Combat System (FCS), alternatives for strategic mobility, the Mobile Offshore Base, the Advanced Logistics Program (ALP), and the Army After Next. In each of these projects, he has developed concepts that applied technologies in stages of development, design, or research to current and future Department of Defense (DoD) issues. Mr. Crowder was also the lead of the in-process team (IPT) for the supportability IPT.

Mr. Crowder has been involved with change in the Army and Joint Staff for several years. He was involved with DARPA in developing future concepts in the Advanced Logistics Program (ALP), the Mobile Offshore Base, investigation of lighter than air concepts and high-speed sealift. He was the principal author of JCS sponsored study on Strategic alternatives in Force Projection. Since 1983, Mr. Crowder has been involved in aspects of program development into the mid- and long-range periods at headquarters, Department of the Army. He has been deeply involved in the sustainment aspects of material development as well as operational contracting for support of deployed forces. Mr. Crowder is currently supporting the DARPA Log-x project, which is focused on the DoD and commercial supply chain.

## **David U. Furrer**

### **Member**

David Furrer is the Principal Fellow Discipline Lead for the Materials and Processes Discipline within Pratt & Whitney. He is responsible for guiding the development of technical strategies, and the development and evolution of engineering standard work within the discipline. David supports new material and manufacturing process design, development, and production transition programs, including efforts related to aftermarket, and service investigation initiatives. He is a champion for materials data management and analytics, and computational materials modeling. Additionally, he oversees overall discipline health, including critical skills identification.

He has over 30 years of experience in the areas of aerospace materials engineering, including forging manufacture, and materials and process modeling. He has been an adjunct professor at the Milwaukee School of Engineering, where he taught materials and manufacturing courses within the Mechanical Engineering Department.

He received his Bachelor's and Master's Degrees in Metallurgical Engineering from the University of Wisconsin-Madison, and a Doctorate of Engineering from the Universität Ulm, Ulm Germany.

David is a Fellow and Past President of ASM-International, the Materials Information Society; a Fellow of TMS, the Minerals, Metals and Materials Society; and is also a member of the Connecticut Academy of Science and Engineering, and the National Academy of Engineering.

## **Katherine Graef**

### **Member**

COL Graef retired in March 2021 after over 30 years of service in the United States Army. She is a distinguished military graduate of the University of Texas at Austin where she earned a degree in Classical Archaeology and was commissioned in the Ordnance Corps in 1991. She also holds a Master of Science in logistics management from the Florida Institute of Technology, a Master of Arts in national security and strategic studies from the US Naval War College, and a Master of Arts in strategic studies from the US Army War College. COL Graef is certified as a Demonstrated Master Logistician by the International Society of Logistics and is a member of the Ordnance Order of Samuel Sharpe. She is also an inaugural member of the Halifax International Security Forum Peace with Women fellowship. COL Graef is a veteran of three combat deployments in the Middle East and has traveled extensively in Africa and Europe. Her final assignment before retirement was as the Logistics Director and Army Element Commander for Special Operations Command Africa, headquartered in Stuttgart, Germany.

## **Stephanie Halcrow**

### **Member**

Stephanie Halcrow, President of The Halcrow Group, recently served as a Professional Staff Member on the House Armed Services Committee (HASC) where she led the efforts to develop, position, and implement the HASC Ranking Member's reform strategies into tangible legislative solutions, garnering bipartisan and bicameral support as well as soliciting industry and federal government input.

Stephanie is deep-rooted in the academic and public policy community and currently serves as a Senior Fellow with the Center for Government Contracting at the George Mason University School of Business as well as a Senior Fellow for Defense Industrial Base Health and Resiliency with the National Defense Industrial Association. She also serves as an external advisor and subject matter expert to the Department of Defense's Acquisition Innovation Research Center.

## **Dara W. Hobbs**

### **Member**

Lieutenant Colonel Dara Hobbs is currently assigned as Chief, Service Doctrine Development, LeMay Center, Maxwell AFB in Alabama. A senior logistics readiness officer, Lt Col Hobbs has served in a wide range of leadership positions at the squadron, group, major command, and headquarters Air Force levels. Additionally, she has deployed to both Iraq and Afghanistan in support of the US Army's Gulf Region Division-Logistics Directorate, US Army Corps of Engineers, the 82nd Sustainment Brigade and Combined Joint Task Force-1.

Lt Col Hobbs served at the Headquarters Air Force-level and is familiar with the logistics technology tools that the Air Force is pursuing to address the need for persistent logistics across the competition continuum.

## **Jerome Patterson**

### **Member**

Jerome currently serves as Chief Architect and advisor for the Strategic Space Systems Division of Northrop Grumman responsible for the creation and development of new and emerging concepts within the DoD Space domain to include the development and architecture lab and SIL spaces. Jerome previously served as Chief Mission Architect/Operations Research Systems Analyst (ORSA) and advisor for the Research and Advanced Design (RAD) division of Northrop Grumman's Aeronautic Sector (AS), responsible for the development, design, and integration of new capabilities in support of DoD's overall mission. As part of an ORSA team at White Sands Missile Range (WSMR), Jerome conducted analysis supporting the Army's Future Combat System (FCS) experiment to include battlefield logistics and resupply at the brigade and below level. As an Observer/Controller at the National Training Center, Jerome was the S1/S4 (Admin/Logistics) trainer at both the brigade and battalion level responsible for the evaluation, training, and certification of logistics units during operational rotations. Previous assignment was as an UNC/CFC/USFK/8th Army S2/S3 joint planner conducting intel operations and operational plans within the INDOPACOM area of operations. As an analyst with NGC, Jerome conducted various analysis comparing the efficiency of unmanned vertical takeoff and landing (VTOL) platforms against overland manned vehicles. As an intelligence instructor Jerome wrote 9 training manuals including ground forces (both NATO and WARSAW PACT) and strategic industries. Currently Jerome is a member of the Military Operations Research Society (MORS), Corps of Engineers and National Defense Industrial Association (NDIA). Jerome completed the Advanced ORSA certification at Fort Lee Virginia and received a Master of System Engineering from the University of California at San Diego.

# **Steven A. Shapiro**

## **Member**

Steve Shapiro is the Vice President and General Manager for LOGCAP Operations with Vectrus. As such, he has responsibility for LOGCAP Operations in CENTCOM and INDOPACOM to include BOS-I operations at existing bases and Contingency operations throughout the two AORs.

Steve joined Vectrus after retiring from the Army as a Major General working a variety of logistics assignments in CONUS and OCONUS with multiple tours in the Balkans, Middle East and Afghanistan. His most recent assignments were: Commander, Army Sustainment Command (ASC) in Rock Island; Commander, 21st Theater Sustainment Command (TSC) in Germany and Commander, Defense Logistics Agency - Troop Support in Philadelphia.

Steve attended George Washington University receiving a degree in Political Science and has graduate degrees from Florida Institute of Technology (Logistics Management) and the Army War College (Strategic Studies).

# **Andre Wilson**

## **Member**

Captain André Wilson is a graduate of Clemson University, earning a Bachelor of Science in Chemical Engineering. He earned a Master of Arts in National Security Affairs from the U.S. Naval War College. His operational assignments include Air Intelligence Officer for Airborne Early Warning Squadron ONE ONE FIVE (VAW-115) in Japan on USS INDEPENDENCE (CV 62) and USS KITTY HAWK; Special Liaison Officer at Joint Task Force-Southwest in Saudi Arabia; Senior Intelligence Officer on USS BOXER (LHD 4) in California; Director of Intelligence for Commander Task Group 515.1 on USNS STOCKHAM (T-AK 3017), participating in Operation Enduring Freedom-Philippines in support of Joint Task Force 515 and Joint Special Operations Task Force-Philippines; Lead Planner for Joint Task Force Crisis Response/U.S. Naval Forces Central Command in Bahrain; and Director of Intelligence for U.S. Naval Forces Korea in South Korea.

Ashore, he served as a Middle East Watch Officer and International Engagement Officer for Asia-Pacific at the Office of Naval Intelligence, Special Activity Officer at U.S. Special Operations Command, and Executive Officer at Defense Intelligence Agency Field Operating Detachment. He also served as the Chief of Intelligence Strategy and Pacific Naval Aggressor Team (Opposing Force) for U.S. Pacific Fleet steering tactical innovation and crisis resilience along with training over 100K+ personnel in support of the INDO-PACOM and Chief of Naval Operations' China Sea Power Forum.

Captain Wilson's most recent assignment position was Chief of Staff for the National Intelligence Manager for Maritime, Office of the Director of National Intelligence. He oversaw the day-to-day operations for a 50-person team responsible for supporting the principal advisor to the President and the National Security Council on all maritime intelligence issues related to national security.

Andre graduated from the Naval War College's Maritime Advanced Warfighting School. He completed programs at the Harvard Kennedy School's Executive Education in National and International Security, Johns Hopkins' Philip Merrill Center for Strategic Studies in Asia-Pacific, Berkeley's Haas School for Artificial Intelligence Strategy, and Brown University's Leadership and Performance Coaching Certification. He is a champion of Diversity & Inclusion and serves a mentor across the Intelligence Community.

Personal awards presented to Captain Wilson include the Legion of Merit, Defense Meritorious Service Medal, Meritorious Service Medal, and Joint Service Commendation Medal.

# **Sarah Juckett**

## **Staff Officer**