

Future Multi-Domain Command and Control Experimentation - A Workshop

Committee

Michael A. Hamel

Chair

Lt Gen Michael A. Hamel (USAF, retired) was appointed Vice President, Strategic Solutions and Country Executive, Kingdom of Saudi Arabia, Lockheed Martin Space Systems Company, in January 2017. In this role, Mr. Hamel is responsible for developing strategic solutions to new and emerging business opportunities. As Country Executive for the Kingdom of Saudi Arabia he leads efforts within SSC and with other LM Business Areas to develop strategic space business with KSA government organizations, and industry. Previously, Mr. Hamel served as Vice President and General Manager, Commercial Space, for Lockheed Martin's Space Systems Company. In that role, he was responsible for all commercial space business including communication programs, remote sensing programs, wind energy, new product development and other advanced technology applications and business ventures beginning in November 2013. Prior to joining Lockheed Martin, he served as Senior Vice President of Corporate Strategy and Relations for Orbital Sciences Corp., where he was responsible for leading Orbital Science's strategic planning, product and business development, government relations and corporate communications. Mr. Hamel served in the U.S. Air Force for more than 30 years in a broad range of space operations, development, acquisition, policy and command positions, concluding his military career in 2008 as a Lt. General. In his later years in the Air Force, Gen Hamel was Commander of the Air Force Space and Missile Systems Center and Air Force Program Executive Officer for Space, was Commander of the 14th Air Force, served in senior command and staff positions at U.S. Air Force Headquarters and Space Command and was Military Advisor to the Vice President on defense, arms control, non-proliferation and space policy. Mr. Hamel holds a bachelor's degree in Aeronautical Engineering from the U.S. Air Force Academy and a master's degree in Business Administration from California State University. He is a Graduate of the Industrial College of the Armed Forces and the Program in National and International Security at Harvard University. He is a member of the Council on Foreign Relations and an Associate Fellow of the American Institute of Aeronautics and Astronautics. He also serves on the boards of several corporate and advisory groups.

Charles H. Jacoby, Jr.

Member

Gen Charles Jacoby, Jr. (U.S. Army ret.) is senior vice chairman with Capitol Peak Asset Management. General Jacoby brings over 36 years of experience leading military, government and international organizations. Prior to retiring from the United States Army, he was the first Army officer to command North American Aerospace Defense Command (NORAD) and the United States Northern Command, where he led the 1,800-person bi-national and joint headquarters and integrated 35 federal, state and non-governmental organizations for the defense and security of North America. General Jacoby has commanded at all levels in joint and Army assignments, from parachute rifle company to geographic combatant command, including combat operations in Grenada with the 82nd Airborne Division; Operation Enduring Freedom, Afghanistan; and Operation Iraqi Freedom, Iraq. He also served as an assistant professor in the Department of History at the United States Military Academy at West Point. As the deputy commander of Combined/Joint Task Force-76 from 2004 to 2005, he was responsible for the conduct combat operations in Afghanistan. As the commander of Multi-National Corps-Iraq from 2009 to 2010, he commanded the 135,000 troops conducting combat operations across Iraq. General Jacoby served as the director for Strategic Plans and Policy for the Joint Staff, where he led planning for coalition and NATO operations in Libya, assisted in the Middle East peace process and served as the U.S. military representative to the United Nations. His military decorations include awards from the governments of Canada, Mexico, Honduras, Guatemala and Colombia. An avid writer and historian, he has penned scholarly monographs on the efficacy of air campaigns, the organization of modern brigade combat teams, and articles on strategic deterrence, civil-military relations and institutional agility and risk. General Jacoby has been involved with several organizations, including the Council on Foreign Relations, and the Association of the United States Army. He serves as a Trustee for the El Pomar Foundation and the Korbel School of International Relations at Denver University. He is also the distinguished chair of the Modern War Institute at the United States Military Academy and serves as a Member of the Defense Science Board Task Force on Homeland Defense. General Jacoby holds a B.S. from the United States Military Academy, an M.A. in history from the University of Michigan, an M.S. in military arts and science from the School of Advanced Military Studies at Fort Leavenworth, Kansas and an M.A. in strategic studies from the National War College at Fort McNair, Washington, DC.

Kurt Kern

Member

Mr. Kirk Kern is Chief Technology Officer of NetApp U.S. Public Sector. Kirk was originally a member of the IBM Federal Systems Division in the early 90s and rejoined IBM in 2004 where he became an IBM Senior Certified Executive IT Architect as well as an Open Group Mater Certified IT Architect. Today at NetApp, Kirk is responsible for cultivating new technologies and architecting systems that support the mission critical IT processing requirements on U.S. government major programs. Kirk's primary responsibilities include designing system architectures as well as tuning, porting, and optimizing the performance of large scale unstructured data repositories. Kirk holds B.S. and M.S. degrees in Electrical Engineering and Computer Engineering from the Pennsylvania State University. He is currently an adjunct faculty member at the George Washington University Electrical and Computer Engineering department. He has held key positions at the Applied Research Laboratory, Concurrent Technologies Corp, Naval Research Laboratories, SGI and Lockheed Martin on major technology development programs. During that time his notable works included a neural-network-based acoustic digital signal processing system, a multi-sensor radar tracker and simulator, wide-area ATM network R&D, and a transactional high-performance computer architecture for DARPA. He also brings deep historical and domain experience on many of the prototypes that were the catalyst for programs like the Intelligence Communities "IC Global Grid" and "GIG-BE".

Marv Langston

Member

Dr. Marv Langston is an independent consultant, focusing on new technology adoption, enterprise architecture and engineering, organizational strategy, and acquisition leadership. He has been serving the Department of Defense and U.S. Navy community, for the majority of his 50-year career, where he has focused primarily on Navy Command and Control. During his last public service SES positions, Marv served as: Department of Defense Deputy Chief Information Officer; Deputy Assistant Secretary of Navy for C4I; first Navy Chief Information Officer; and, as Director of the Defense Advanced Research Projects Agency (DARPA) Information Systems Office. During his 22-year Navy military career, Marv served as an enlisted nuclear power electronics technician and retired as a Commander, Engineering Duty Officer, where he served as an AEGIS Combat System Assistant Program Manager, a Special Assistant to RADM Wayne Meyer helping to establish Battle Force Engineering, and as a plank owner of the Space and Naval Warfare Systems Command. Following his public service career, Marv was the Chief Operating Officer of a small high-tech start-up company, Chief Technology Officer of a large business practice, and was a Senior Staff Engineer at the Johns Hopkins University, Applied Physics Laboratory, where he helped establish today's AEGIS Ballistic Missile Defense capability. During his career, Dr. Langston earned a Masters and Doctorate of Public Administration from the University of Southern California, a Master of Science in Electronic Engineering from the Naval Post Graduate School, and under the Naval Enlisted Science & Engineering Program, a Bachelor of Science in Electronic Engineering from Purdue University.

Mark T. Maybury

Member

Dr. Mark T. Maybury is the current and first Chief Technology Officer at Stanley Black & Decker. Prior to this he served as Vice President of Intelligence Portfolios and prior to that was MITRE's Vice President and Chief Security Officer and Director of the National Cybersecurity Federally Funded Research and Development Center (FFRDC). Before joining MITRE, Maybury served as Air Force as Chief Scientist from 2010 to 2013 where he advised the Chief of Staff and Secretary of the Air Force on a wide range of scientific and technical issues. As the Chief Scientist he served as the chief scientific adviser to the Chief of Staff and Secretary of the Air Force, and provided assessments on a wide range of scientific and technical issues affecting the Air Force mission. In this role he identified and analyzed technical issues and brought them to attention of Air Force leaders, and interacted with other Air Staff principals, operational commanders, combatant commands, acquisition, and science and technology communities to address cross-organizational technical issues and solutions. He also interacted with other services and the Office of the Secretary of Defense on issues affecting the Air Force in-house technical enterprise. He served on the Steering Committee and Senior Review Group of the Air Force Scientific Advisory Board, or SAB. He was also the principal science and technology representative of the Air Force to the civilian scientific and engineering community and to the public at large. Dr. Maybury served on the SAB as Vice Chair of Science and Technology, Vice Chair of a study on remotely piloted aircraft, and member on SAB studies on commercial space, rapid on-orbit checkout, and operating in contested cyberspace. He also chaired a SAB Information S&T review and vice chaired a human effectiveness S&T review at the Air Force Research Laboratory. He has additionally served on studies for the Defense Science Board and the Intelligence Science Board. A former Air Force officer, Dr. Maybury is currently on a leave of absence as an Executive Director at the MITRE Corporation. He has edited or co-authored 10 books, authored more than 60 refereed publications, and been awarded several U.S. patents.

Julie J. Ryan

Member

Dr. Julie J.C.H. Ryan, is the Chief Executive Officer of Wyndrose Technical Group, having retired from academia in 2017. Her last position in academia was Professor of Cybersecurity and Information Assurance from the U.S. National Defense University. Prior to that, she was tenured faculty at the George Washington University and a visiting scholar at the National Institute for Standards and Technology (NIST). Dr. Ryan came to academia from a career in industry that began when she completed military service. Upon graduating from the U.S. Air Force Academy, Dr. Ryan served as a Signals Intelligence Officer in the Air Force, and then as a Military Intelligence Officer with the Defense Intelligence Agency. Upon leaving government service, she worked in a variety of positions, including systems engineer, consultant, and senior staff scientist with companies including Sterling Software, Booz Allen & Hamilton, Welkin Associates, and TRW/ESL supporting a variety of projects and clients. She is the author of several books, including "Defending Your Digital Assets Against Hackers, Crackers, Spies, and Thieves" (McGraw Hill 2000), and a Fellow of the American Academy of Forensic Sciences (AAFS). At Wyndrose Technical Group, she focuses on futures forecasting and strategic planning with an eye on technology surprise and disruption.

Rebecca Winston, Esq.

Member

Ms. Rebecca Winston, Esq., JD, PMI Fellow, is President of Winston Strategic Management Consultants. She is a former chair of the board of the Project Management Institute (PMI®). An experienced expert on the subject of project management (PM) in the fields of research & development, energy, environmental restoration, and national security, she is well known throughout the United States and globally as a leader in the PM professional world. Rebecca has over 25 years of experience in program and program management, primarily on programs funded by the U.S. government. She is a graduate of the University of Nebraska's College of Law, Juris Doctorate (1980), in Lincoln, Nebraska, and has a Bachelor's of Science (B.S.) degree in Education from Nebraska Wesleyan University. She is a licensed attorney in the state of Nebraska, USA. Active in PMI since 1993, Rebecca Winston helped pioneer PMI's Specific Interest Groups (SIGs) in the nineties, including the Project Earth and Government SIGs, and was a founder and first co-chair of the Women in Project Management SIG. She served two terms on the PMI board of directors as director at large, secretary treasurer, vice chair (for two years), and chair (2002). She was elected a PMI Fellow in 2005. She is also a member of the American Bar Association and the Association of Female Executives in the United States. Ms. Winston currently serves as a consultant to organizations such as the National Nuclear Security Administration (USA), U.S. Department of Energy (DOE) and the U.S. Department of Homeland Security (DHS) on topics ranging from Program and Project Management to project reviews, risk management and vulnerability assessments. She is chair of the U.S. Technical Advisory Group for ISO TC258 & PC 236 for project, program, and project portfolio standards. She has extensive recent PM experience in the areas of national defense and security, and has worked closely with local, regional, and national officials, including Congress and the Pentagon. Ms. Winston was chosen as a member of the AFSB for her knowledge of acquisition/procurement and program management.