



USINDOPACOM Coalition Interoperability Forum

Forum Program

Hale Ikena Restaurant & Conference Center

Fort Shafter Bldg. 711, Morton Drive
Fort Shafter, Hawaii 96858-5000
808-438-6712



Plenary Session Agenda *Day One*

April 16th	Pikake 1 & 2
0700-0800	Registration / Breakfast
0800-0815	Administrative Remarks <i>USINDOPACOM</i>
0815-0915	Welcome <i>CAPT Erik G. Pittman, USN</i> Deputy Director, Command, Control, Communications, and Cyber (C4), USINDOPACOM
0915-1015	Interoperability Challenges within the Joint Exercise Program <i>Colonel Jeffrey P. Gottlieb, USA</i> Exercise Division Chief (J37), USINDOPACOM
1015-1030	Break
1030-1200	Keys to Interoperability – Commercial Solutions Panel <i>Moderator: Mr. Frank T. Quick, Director, Defense Security Cooperation Initiatives, MITRE National Security Sector</i> <i>Panelists:</i> Dr. Miemie Winn Byrd, Professor, Asia Pacific Center for Security Studies Mr. Mark Dowd, Digital Advisor, Microsoft Corporation Mr. Mark Fox, Senior Manager Global Defense Programs, Amazon Web Services
1200-1300	Lunch
1300-1430	Commercial Solutions for Classified <i>Mr. Charlie Kawasaki, CISSP</i> Chief Technology Officer, PacStar
1430-1445	Break
1445-1615	International Standards is the Mother of Interoperability <i>Mr. Malcolm Airst</i> Senior Technical Staff, The MITRE Corporation
1615-1630	Daily wrap up <i>USINDOPACOM</i>

1700-2000	Networking Mixer (No Host) <i>Hale Ikena Courtyard (outside Pikake 1 & 2)</i> Hale Ikena
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We would like to thank the following companies for sponsoring refreshments:





Plenary Session Agenda *Day Two*

April 17th	Pikake 1 & 2
0700-0800	Breakfast
0800-0815	Administrative Remarks <i>USINDOPACOM</i>
0815-0845	Day 2 Welcome <i>CAPT Erik G. Pittman, USN</i> Deputy Director, Command, Control, Communications, and Cyber (C4), USINDOPACOM
0845-1015	Industry-Academia-Government Partnerships for Future National Security Mission Capabilities <i>Dr. Matthijs M. Broer</i> Director, Strategic Capabilities, The MITRE Corporation
1015-1030	Break
1030-1200	CENTRIXS Maritime <i>Mr. Robert (Bob) A. Stephenson</i> Director, Communications and Information Systems (N6), Commander, U.S. Pacific Fleet (COMPACFLT)
1200-1300	Lunch
1300-1430	Government Funding for Research and Development <i>Dr. Gregory J. Power</i> USINDOPACOM PACE/JCTD Liaison, Office of Secretary of Defense
1430-1445	Break
1445-1615	Acquisition in the Digital Age <i>Mr. Pete Modigliani</i> Senior Defense Capability Accelerator, The MITRE Corporation
1615-1700	Forum Wrap Up, Next Steps, and Announcements <i>USINDOPACOM</i>

Save the Date!

The next Coalition Interoperability Forum will be held in conjunction with

TechNet Indo-Pacific 2019

November 19-21, 2019 • Honolulu, Hawaii
<https://events.afcea.org/TIP19/Public/enter.aspx>



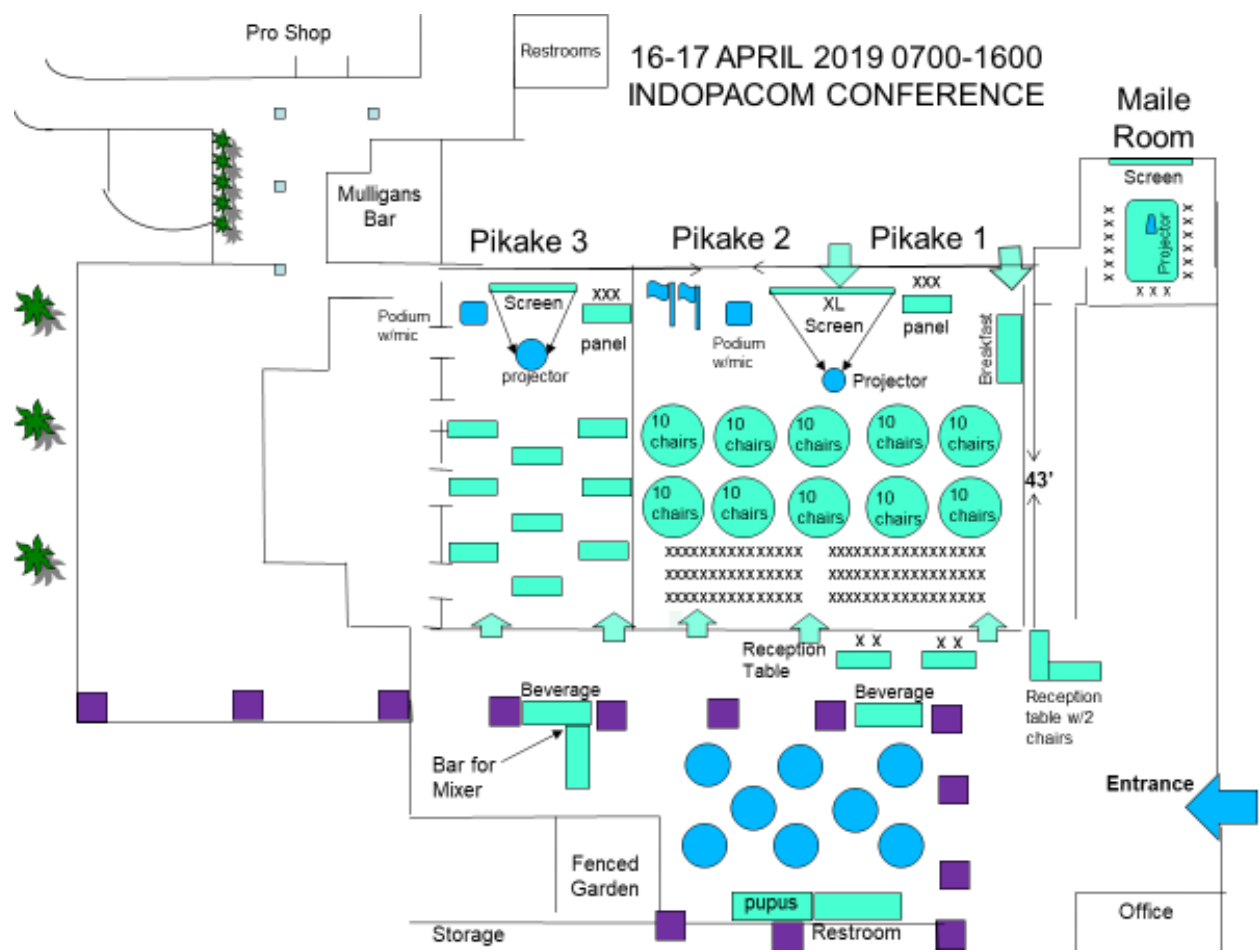
Workshop Agenda

April 16th	Pikake 3
1030-1200	Leveraging Multi-Cloud to Enable Coalition Information Sharing <i>Mr. Joshua Toffler, LPIC-2, MCP, VCDX, RHCA, CCNP, CISSP, etc</i> Lead, DESAT ² , Dell EMC
1200-1300	Lunch
1300-1430	Using the AWS Global Infrastructure and Services from the Strategic Level to the Tactical Edge <i>Mr. Mark Fox</i> Senior Manager Global Defense Programs, Amazon Web Services <i>Mr. Michael South, Security+, CISSP, CAP, GCIH, ITIL v3 Expert</i> Americas Regional Leader, Amazon Web Services
1430-1445	Break
1445-1615	USINDOPACOM Efforts to Implement Mission Partner Environment (MPE) <i>Mr. Mark Fink</i> Chief IT Enterprise Architect, USINDOPACOM

April 17th	Pikake 3
1030-1200	Enabling Interoperability Between Environments and Controlling Secure Access with Privileged Access Management (PAM) <i>Mr. Joseph Carson, CISSP</i> Chief Security Scientist, Thycotic
1200-1300	Lunch
1300-1430	Third Party Integration <i>Mr. Charlie Kawasaki, CISSP</i> Chief Technology Officer, PacStar <i>Mr. Eric Jung</i> Program Manager, Perspecta Labs <i>Mr. Jim West, CISSP-ISSEP, ISSMP, CAP, GSLC, GCIH, GSNA, etc</i> CSfC Program Manager, TribalCo
1430-1445	Break
1445-1615	Azure Stack: Deploying to the Tactical Edge <i>Mr. Joel M. Sisko</i> Global Black Belt – Azure Stack Intelligent Cloud, Microsoft Corporation

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Plenary Abstracts

Apr 16 0815-0915	Welcome <i>CAPT Erik G. Pittman, USN</i> Deputy Director, Command, Control, Communications, and Cyber (C4), USINDOPACOM
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CAPT Pittman will provide an overview of the USINDOPACOM J6 Mission, and why coalition interoperability is vital to the Combatant Command.

Apr 16 0915-1015	Interoperability Challenges within the Joint Exercise Program <i>Colonel Jeffrey P. Gottlieb, USA</i> Exercise Division Chief (J37), USINDOPACOM
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Colonel Gottlieb will discuss the USINDOPACOM Joint Exercise Program and how that venue is used as a platform for experimentation related to coalition interoperability. Additionally, he will discuss some of the observations related to coalition interoperability from recent exercises.

Apr 16 1030-1200	Keys to Interoperability – Commercial Solutions Panel <i>Moderator: Mr. Frank T. Quick, Director, Defense Security Cooperation Initiatives, MITRE National Security Sector</i> <i>Panelists:</i> Dr. Miemie Winn Byrd, Professor, Asia Pacific Center for Security Studies Mr. Mark Dowd, Digital Advisor, Microsoft Corporation Mr. Mark Fox, Senior Manager Global Defense Programs, Amazon Web Services
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Effective coalition interoperability requires an integrating activity between the U.S. and its coalition partners, both of which are heavily dependent on commercial industry. The U.S. government is no longer the key driver of network technology innovation. They play a role in that innovation, but most of the technical innovation is happening in commercial industry. Commercial technology competitors will team on the establishment of new technology areas that they each independently bring to market. Creating that joint development environment is the very definition of a coalition network – “an alliance for combined action, especially a temporary alliance.” We are looking for commercial industry solutions to bring to bear on coalition information sharing and interoperability. These are clearly not just technological issues, there are policy impediments, but those policies are almost always put in place to protect data. If commercial industry can demonstrate strong data protection in cost-effective ad-hoc networks, policy may be able to be addressed. Without a technical demonstration of protection, there is no sound way to evolve existing policy.



Apr 16 1300-1430	Commercial Solutions for Classified <i>Mr. Charlie Kawasaki, CISSP</i> Chief Technology Officer, PacStar
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To enable coalition interoperability and mobility for warfighting, the National Security Agency (NSA) established a program and set of standards called “Commercial Solutions for Classified” (CSfC). This program enables DoD organizations and coalition partners to transmit classified information over untrusted wireless networks using commercial-grade encryption solutions, eliminating the need for expensive, difficult-to-use classified equipment. CSfC enables entirely new classes of wireless access to classified networks for warfighting and enables US coalition partners to access classified information without taking possession of controlled cryptographic items (CCI).

This presentation provides an introduction to the program elements, outlines the overall CSfC developmental and accreditation process, and covers the components required in CSfC solutions. The presentation includes real world example solutions, discusses some challenges with CSfC and some methods to mitigate challenges with CSfC implementations.

Apr 16 1445-1615	International Standards is the Mother of Interoperability <i>Mr. Malcolm Airst</i> Senior Technical Staff, The MITRE Corporation
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Mr. Malcolm Airst will discuss the general engineering standardization process and then compare the methodologies used and processes of several standards bodies. Finally, Malcolm will describe the commitments in time and effort involved in creating a standard.

Apr 17 0815-0845	Day 2 Welcome <i>CAPT Erik G. Pittman, USN</i> Deputy Director, Command, Control, Communications, and Cyber (C4), USINDOPACOM
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CAPT Pittman to review and provide perspective on the progress of the Forum and give his thoughts on efforts to achieve effective and efficient coalition interoperability during the remainder of the Forum.

Apr 17 0845-1015	Industry-Academia-Government Partnerships for Future National Security Mission Capabilities <i>Dr. Matthijs M. Broer</i> Director, Strategic Capabilities, The MITRE Corporation
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In this Keynote, Dr Broer will address the impact of a confluence between two key trends on future mission capabilities of the USG’s National Security enterprise. These trends are an accelerating and global diffusion of Science and Technology (S&T) in the past few decades and a simultaneous shift of



R&D investments from the USG to the private sector. This combination continues to result in an erosion of US leadership in many areas of technology and associated industrial strength that underly the national and economic security and strength of the US and its allies and partners. Several initiatives, involving partnerships between the National Security community and external R&D organizations (academia, commercial sector, others) and various rapid innovation models, have been developed over the past several years to reverse this trend. Although these constructs do not entirely solve this erosion problem, they do ultimately contribute to faster and more agile adaptation of leading-edge technologies into various national security-related mission capabilities.

Apr 17 1030-1200	CENTRIXS Maritime <i>Mr. Robert (Bob) A. Stephenson</i> Director, Communications and Information Systems (N6), Commander, U.S. Pacific Fleet (COMPACFLT)
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Mr Stephenson has extensive experience with coalition communications networks, and will discuss the past, present, and future of CENTRIXS Maritime.

Apr 17 1300-1430	Government Funding for Research and Development <i>Dr. Gregory J. Power</i> USINDOPACOM PACE/JCTD Liaison, Office of Secretary of Defense
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Dr Power will discuss competitive Government funding for innovation in research and development, and describe funding sources like Joint Capability Technology Demonstration, Coalition Warfare Program, and Warfighting Lab Incentive Fund, and what role Combatant Command advocacy plays in capability selection and/or award.

Apr 17 1445-1615	Acquisition in the Digital Age <i>Mr. Pete Modigliani</i> Senior Defense Capability Accelerator, The MITRE Corporation
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The U.S. National Defense Strategy “acknowledges an increasingly complex global security environment that challenges the U.S. military advantage. Rapid technological advancements are changing the character of war. We must build a more lethal Joint Force, strengthen alliances, and reform the departments business practices. Success no longer goes to the country that develops a new technology first, but rather to the one that better integrates it and adapts its way of fighting.”

These are not new challenges, but the pace of changes and new threats require the U.S. and its Allies to deliver military capabilities with greater speed and agility. The challenge is HOW do you rapidly exploit leading technologies for military advantage? There are five major factors for Accelerating deliveries – culture, requirements, system design, program execution, and contracting. We must increase prototyping and experimentation early and often to shape requirements, explore innovative solutions, and rapidly integrate them into fielded systems. We must reform, streamline, and align acquisitions, requirements, and budget processes via agile portfolio management practices. There are exciting new acquisition and contracting pathways and authorities to rapidly field capabilities. All of this must be done with greater collaboration and partnerships across government and industry, between the U.S. and Allies, to enable more lethal coalition forces to win future conflicts.



Workshop Abstracts

Apr 16 1030-1200	Leveraging Multi-Cloud to Enable Coalition Information Sharing <i>Mr. Joshua Toffler, LPIC-2, MCP, VCDX, RHCA, CCNP, CISSP, etc</i> Lead, DESAT ² , Dell EMC
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The latest industry studies by analysts like Gartner and IDC show that a vast majority of successful organizations plan to leverage multiple cloud platforms to transform the way they deliver information technology services to their users. The term multi-cloud refers to the strategy of leveraging both off-premise commercial cloud services (Microsoft Azure, Amazon Web Services, etc.) as well as an on-premise component. The decision on where to place different services can be made for a variety of reasons, ranging from technical to political to economic. The DOD has unique mission requirements that also contribute to the typical commercial factors influencing application placement decisions. Coalition interoperability requirements, geographic isolation from traditional DOD-certified commercial cloud platforms, unique application performance characteristics, and the need for enhanced security all affect these placement decisions. This session will discuss some of these issues and possible solutions.

Apr 16 1300-1430	Using the AWS Global Infrastructure and Services from the Strategic Level to the Tactical Edge <i>Mr. Mark Fox</i> Senior Manager Global Defense Programs, Amazon Web Services <i>Mr. Michael South, Security+, CISSP, CAP, GCIH, ITIL v3 Expert</i> Americas Regional Leader, Amazon Web Services
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The Amazon Web Services (AWS) resilient global infrastructure and breadth of services provide the Department of Defense (DoD) with the capabilities to meet the most demanding enterprise and operational requirements globally.

Apr 16 1445-1615	USINDOPACOM Efforts to Implement Mission Partner Environment (MPE) <i>Mr. Mark Fink</i> Chief IT Enterprise Architect, USINDOPACOM
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The MPE is an agile and defensible coalition warfighting cyberspace infrastructure that supports collaboration and information-sharing with mission partners (U.S. and foreign) during all phases of military cooperation and coordination. MPE is a combination of the Multi-Nation Information Sharing (MNIS) efforts for sharing C2 information and the U.S. Battlefield Information Collection and Exploitation System – Extended (US BICES-X) Program for sharing intelligence information with our allies and mission partners.



Apr 17 1030-1200	Enabling Interoperability Between Environments and Controlling Secure Access with Privileged Access Management (PAM) <i>Mr. Joseph Carson, CISSP</i> Chief Security Scientist, Thycotic
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Privileged Accounts are everywhere in the IT environment. They give information technology the building blocks for managing vast infrastructure, networks of hardware and software that power our information driven world. Yet for most people they are invisible. Understanding Privileged Accounts, what they do for us and why it's so important to protect access to them as the "keys to the kingdom" of our growing information environments. This workshop helps understand the challenges of managing and securing privileged accounts, types of privileged access, best practices for securing and managing privileged accounts across multiple environments, how to enable secure access and build environments that must be interoperable using privileged accounts.

Apr 17 1300-1430	Third Party Integration <i>Mr. Charlie Kawasaki, CISSP</i> Chief Technology Officer, PacStar <i>Mr. Eric Jung</i> Program Manager, Perspecta Labs <i>Mr. Jim West, CISSP-ISSEP, ISSMP, CAP, GSLC, GCIH, GSNA, etc</i> CSfC Program Manager, TribalCo
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Coalition interoperability typically requires interaction between systems from multiple mission partners. Each mission partner system may feature its own communication protocol, data formats, standards, and system interfaces. The integration of these systems is often performed by a third party, who owns / administers none of the systems that are being integrated. These third-party integrators are faced with a complex problem to ensure interoperability, while adhering to each partner's security requirements and policies. This technical track will feature several third-party integrators who have experience performing system integration for the Department of Defense.

Apr 17 1445-1615	Azure Stack: Deploying to the Tactical Edge <i>Mr. Joel M. Sisko</i> Global Black Belt – Azure Stack Intelligent Cloud, Microsoft Corporation
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Every organization in every industry around the world, including the DoD, is being challenged to transform into a digital organization. The cloud, intelligent edge, and application modernization are at the heart of digital transformation, with the opportunity to help DOD engage partners, empower warfighters, optimize coalition operations, and transform interoperability products and services. Azure and Azure Stack provide a rich Infrastructure-as-a-Service (IaaS) and Platform-as-a-Service (PaaS) for developers to build modern applications to provide critical capabilities for coalition warfighters operating at the tactical edge. Azure Stack provides a means to run the same applications in on-premises and tactical edge environments.



Speakers



Captain Erik G. Pittman is the Deputy Director, Command, Control, Communications, and Cyber (C4) for U.S. Pacific Command, Camp H.M. Smith, Hawaii. His operational tours include Commander, Navy Forces Europe, Commander, Navy Forces Africa, Commander, US Sixth Fleet (CNE-CNA-C6F) as Deputy Director for Communications and Information Systems. During this time, he supported multiple, simultaneous operations across the CNE-CNA-C6F AO. He also served on USS Bonhomme Richard (LHD 6) as the Assistant C5I Officer and EMO supporting a Western Pacific deployment in support of Operations Iraqi Freedom (OIF) and Enduring

Freedom (OEF), exercises Dawn Blitz-10, Trident Warrior-10 and RIMPAC-10.

Ashore, Captain Pittman served with US Forces, Japan, where he served as the Branch Chief for C4I Systems Planning and Engineering (J62), the Deputy Director for C4 Systems (J6) and acting J6. On the staff of the Chief of Naval Operations (OPNAV), he served as the Executive Assistant to the Director of Navy Networks (N6N).

Captain Pittman received a Bachelor of Science in Nuclear Engineering from Texas A&M University in 1995 and a Master of Science in Management and Technology from Rensselaer Polytechnic Institute in 2001.



Colonel Jeffrey P. Gottlieb is a United States Army Armor Officer with over 20 years of service at all echelons from the platoon to the combatant command. He has been stationed in the United States, Germany, Italy, Korea and Bangladesh and has deployed to Haiti, Macedonia, Iraq and Afghanistan. He has extensive experience serving as a tactical leader at the platoon, company and squadron levels; as a trainer and tactical analyst at the brigade level and below; as a planner and manager of new equipment testing; and conducting combined

operations with the forces of NATO members and the Republic of Korea.

Colonel Gottlieb holds Master of Arts degrees from Norwich University and the Bangladesh University of Professionals and a Bachelor of Arts degree from Princeton University.



Mr. Frank T. Quick is the director of defense security cooperation initiatives spanning defense and intelligence matters within The MITRE Corporation's MITRE National Security (MNS) sector. MNS operates two of MITRE's seven federally-funded research and development centers (FFRDCs) for the U.S. government: the National Security Engineering Center (NSEC) and the National Cybersecurity FFRDC. The sector is MITRE's largest and employs more than 4,400 experts that provide independent and objective S&T/Systems Engineering expertise to the U.S. government and for U.S. allies in a variety of government/national security mission areas.

Mr. Quick has been at MITRE for more than 25 years including the period after the September 11, 2001 terror attacks when he was mobilized by the U.S. Navy to lead the Anti-Terrorism Alert Center Operations Officer. Mr. Quick is a trained intelligence officer and a computer science engineer. He holds a Bachelor of Science in Computer Science from the College of Engineering, University of Florida and is a retired Commander, U.S. Navy.



Dr. Miemie Winn Byrd joined the Asia-Pacific Center for Security Studies in 2007. Dr. Byrd researches, teaches, and publishes in the areas of U.S.-Myanmar (Burma) relations; security dynamics in Southeast Asia; economics and security linkages; rising inequality and its implication on security; the roles of private-sector, women, and education in socioeconomic development; civil-military operations; leadership; organizational development & innovation; and transformational learning and adult education.

Dr. Byrd has sixteen years of civilian private-sector professional experience included a wide range of auditing, accounting, and financial management positions with multinational corporations. She has served as a Civil Affairs Officer in the U.S. Army Reserves. Dr. Byrd is currently serving on the Board of Governors of the Keck Center for International and Strategic Studies at Claremont McKenna College, and as an Adjunct Fellow at the East-West Center in Honolulu, Hawaii.

Dr. Byrd received a Bachelor of Arts in Economics and Accounting from Claremont McKenna College and holds a Master of Business Administration with emphasis in Asia-Pacific Economics and Business from University of Hawaii. She earned her Doctorate in Education Leadership from the University of Southern California.



Mr. Mark Dowd joined Microsoft in 2001 and has been supporting the Department of Defense since. After seven years leading Microsoft’s Navy Marine Corps Services business as the Practice Manager, he is now guiding U.S. Public Sector customers in digital transformation.

Mark recently retired after 30 years in the Navy (Reserve and Active Duty), holding various command positions including Commander Navy Intelligence Reserve Region Southeast located in Fort Worth, Texas. His last tour was Assistant Chief of Staff for Strategy at the Information Dominance Corps Reserve Command. Additionally, from September 2006 until October 2007, he was recalled to active duty and deployed one year to Baghdad, Iraq serving with the Multi-National Force Iraq (MNF-I) as the Chief of Staff of the Combined Intelligence Operations Center.

Mark is also an active member of the U.S. Naval Institute and the Armed Forces Communications and Electronics Association. He received his Master of Arts in National Security and Strategic Studies from the Naval War College, completed several MBA classes at The George Washington University, and has completed Finance and Accounting at Wharton Executive Education. He is also a Prosci Change Management Certified Practitioner.



Mr. Mark Fox is the Senior Manager for Global Defense Programs for Amazon Web Services (AWS). He joined AWS in 2011 as a founding member of the AWS Public Sector organization where he built and then led the US DoD Sales organization. He is currently responsible for the strategy, sales support, business development and relationships with our Global Defense Agencies and Partners.

Prior to AWS, Mark served in various leadership roles across multiple IT disciplines to include: Physical Security (Sensormatic/ADT), Product Development (Parametric Technology Corporation), Business Intelligence/Analytics (Business Objects/SAP), AIS Systems (Savi Technology/Lockheed Martin) and now Commercial Cloud Computing with Amazon Web Services. Mark is a 2017 FCW Federal 100 award recipient which recognizes government and industry leaders who have played pivotal roles in the federal government IT community.

Mark is a graduate of the U.S. Naval Academy, and qualified as a Naval Surface Warfare Officer afloat during Operations Desert Shield and Desert Storm aboard USS Gallery (FFG-26).



Mr. Charlie Kawasaki, CISSP, joined PacStar in early 2005. He is the company CTO and subject matter expert for commercial solutions for classified (CSfC). Resulting from his leadership, PacStar tactical equipment can be found in multiple listings on the CSfC components list and is included in multiple CSfC registrations. Charlie is part of the PacStar team that won networking equipment and NETOPS software awards for numerous DoD tactical programs including PM TN Secure Wireless Gateway, US Army T2C2, US Army SFAB and US Marine Corps NOTM.

Charlie has over 38 years' experience in cybersecurity, software development, network engineering, and systems integration. Prior to joining PacStar, Charlie held leadership positions in early stage technology companies, where he created dozens of software applications in industries such as Internet infrastructure, cybersecurity, relational databases and more. Charlie served as CEO of RuleSpace, Inc., which created AI-based technology for Internet parental controls applications used by companies such as AOL, Yahoo, SBC, BellSouth, and Microsoft.



Mr. Malcolm J Airst has been a communications and networks engineer for 35 years. He worked on a variety of projects during his 31-year career at MITRE, including design of the first VME-based VLF submarine radio, portions of the DISA global fiber-optic communications network, network protocol standardization, and various packet voice network protocols. In 2001/2002 he first briefed sponsors on threats to GPS as part of an FMS project, and in 2002 conducted testing emulating the threats to GPS on mission systems. In 2008 Malcolm assumed the Project Lead role for the

Operations Without Space Project and developed mitigations for loss of GPS and SATCOM. Malcolm continues to work on several communications, networking and timing-related projects.

Malcolm first worked to standardize live insertion of industry standard VME cards on an ANSI (American National Standards Institute) committee, then on various networking standards committees in the ATM Forum and IETF (Internet Engineering Task Force). Areas tackled include bandwidth-efficient packet voice transmission and dissemination of precise time-of-day over various networks.

Malcolm holds a Bachelor of Science Electrical Engineering / Computer Science degree from George Mason University and Master of Science in Engineering Management from Old Dominion University.



Dr. Matthijs M. Broer recently joined The MITRE Corporation as the Director of Strategic Capabilities. He is involved in managing the MITRE Innovation Program, which includes a wide range of research activities, the technology transfer program, and partnerships with government and industry—all designed to accelerate technological solutions to national problems. During his career he has focused on building deep technical expertise in many national security and commercial technologies, such as lightwave and wireless telecommunications, optics, robotics, and advanced materials. He has extensive experience in leading R&D programs and exploring new technologies, developed within government and/or industry, and inserting them into government programs.

Dr. Broer spent 15 years at the Central Intelligence Agency as a scientist and chief technology officer for the Directorate of Science and Technology. He was responsible for creating the S&T investment strategy and executing the associated applied research and innovation program portfolio for the CIA's future mission capabilities.

He earned his Master of Science and PhD in physics at the University of Wisconsin, and his Bachelor of Science in physics at the Technological University, Delft, The Netherlands. He has attended leadership programs at Harvard, MIT, and Northwestern University, and he holds three U.S. patents on optical telecommunication devices and optical fiber design and processing.



Mr. Robert (Bob) A. Stephenson serves as the director for communications and information systems & chief information officer for Commander, U.S. Pacific Fleet (COMPACFLT) located in Pearl Harbor. As the fleet N6, Stephenson is responsible for ensuring operational command, control, communications, computers and intelligence (C4I) capability for all afloat and ashore commands in the U.S. Pacific Fleet. As the chief information officer, he is actively engaged in strategic C4I and information technology (IT) initiatives within the Department of the Navy, U.S. Pacific Command and U.S. Pacific Fleet. He previously served as the technical director for fleet readiness, Space and Naval Warfare Systems Command (SPAWAR).

Mr. Stephenson is a 1973 graduate of the United States Naval Academy. Following completion of naval nuclear power school and submarine school, he qualified in submarines and as a chief engineer of a naval nuclear propulsion plant. After 30 years of active and reserve service, he retired from the Navy Reserve in 2003. His career experience includes significant roles in all aspects of engineering and acquisition, and he has received numerous distinguished engineering, acquisition, and service awards, including the Presidential Rank Award for Meritorious Senior Professional in 2014. Mr. Stephenson was appointed to the Senior Executive Service in April 2018.



Dr. Gregory J. Power currently serves as Liaison for OSD’s Prototyping & Concepts Experimentation assigned to the Science and Technology (S&T) Office at the United States Indo-Pacific Command (USINDOPACOM). He is serving from Georgia Tech Research Institute as a government employee through the Interdepartmental Personnel Act. He is the focal point for coordinating coalition and joint technology development programs that deliver capability-based solutions for USINDOPACOM.

During his military service, he flew combat and combat support missions on RC-135’s. He later served as an Air Force Communications-Electronics Reserve Officer. In his civilian capacity, Dr. Power served as a research engineer at Air Force Research Laboratory (AFRL). While at AFRL he also taught engineering courses as an Adjunct Professor in Electrical Engineering at Wright State University, Dayton, Ohio.

Dr. Power received his Bachelor of Science in Electrical Engineering from the Ohio State University. He received his Master of Science in Systems Engineering from Wright State University and his Ph.D. in Electrical Engineering from the University of Dayton. He was an honor graduate from the Air National Guard Academy of Military Science and an Outstanding Graduate from Air War College. He is the author of over 60 professional journal and technical research papers.



Mr. Peter J Modigliani is the Senior Defense Capability Accelerator within the MITRE Corporation enabling the DoD and Intelligence community to deliver innovative solutions with greater speed and agility. He works with acquisition and CIO executives, program managers, the Section 809 Panel, Congressional staffs, and external groups to shape acquisition reforms, strategic initiatives and major program strategies. Pete champions digitally transforming the acquisition enterprise to modernize and accelerate operations. He launched MITRE’s digital acquisition platform AiDA

(aida.mitre.org).

Prior to MITRE, Pete was an Air Force program manager for C4ISR programs and an Assistant Vice President with Alion Science supporting the Air Force Acquisition Executive’s Information Dominance division.

Pete holds a Bachelor of Science in Industrial Engineering from Rochester Institute of Technology, and a Masters of Business Administration in Information Technology from Boston College.



Workshop Presenters



Mr. Joshua Toffler leads the Dell EMC Solutions Architect Team and Dell EMC Synergy Acceleration Team (DESAT2) responsible for helping drive customers towards the correct technical outcomes regardless of vendor “Best of Breed” by supporting all Strategic Federal/State/Local customers (IC, DoD & Civilian), responding to RFI/RFP’s, Generating White Papers, customer briefings/Whiteboard Sessions, and Executive Briefings.

Joshua enlisted in the Army for 10 years, specializing in Radio Equipment Repair (35E), and Military Intelligence Systems Maintainer/Integrator (33W). After his military service he worked for multiple Federal Systems Integrators in the Intelligence and DoD communities as an Engineer, Architect, and CTO. He designed and/or was intricately involved in the deployment of private/hybrid cloud solutions and external “public” cloud environment exploitation (i.e. Azure, JIE, C2S, ICITE, MilCloud etc.) as well as some of the major VI/VDI solution designs (i.e. Pentagon ITA/JSP, DTRA, NSA, NGA, etc.). Joshua was published twice for his work on Computational Fluid Dynamics (CFD) in urban canopies and urban warfare environments.

He has held or is currently holding the following technical certifications: A+, Network+, Security+, LPIC-2, MCP, VCP, VCDX, RHCE, RHCA, CCNA, CCNP, CASP, CISSP.



Mr. Michael South, Security+, CISSP, CAP, GCIH, ITIL v3 Expert joined Amazon Web Services (AWS) in 2017 as the Americas Regional Leader for the public sector’s Security & Compliance Business Development out of Herndon, VA. He supports customer executives who want to better understand how they can achieve their business objectives and improve their security and compliance in the Cloud. He supports customers across all public sector to include federal governments, militaries, state/provincial governments, academic institutions, and non-profits from North to South America. Michael’s most notable leadership positions prior to AWS include the Deputy Chief Information Security Officer (CISO) for the city of Washington, DC, the U.S. Navy’s Regional CISO for Asia, and the U.S. Navy’s Chief Information Officer (CIO) for Japan.

We would like to thank the following companies for sponsoring refreshments:





Mr. Mark Fink is the Chief Information Technology (IT) Enterprise Architect for US Indo-Pacific Command (USINDOPACOM) serving in the Strategy and Architecture Branch, C4 Strategy and Integration Division, J6 Command, Control, Communications, and Cyber Directorate, Camp H.M. Smith, Hawaii. In this capacity, he leads the Enterprise Architecture development for USINDOPACOM Theater Synchronization Planning for Joint Information Environment (JIE) and Mission Partner Environment (MPE).

Mark joined the Department of Defense in 1984 working for the Defense Mapping Agency – Aerospace Center (DMAAC) - now renamed National Geospatial-Intelligence Agency (NGA). After 5 years he moved to HQ Air Force Space Command (AFSPC), Colorado Springs, where he served for 15 years as the lead Space & C4ISR Architect. Mark moved to Hawaii in 2004 as a Division Chief for Air Force Pacific Command (PACAF) working Information Management and Strategic Planning. In 2007, Mark accepted his current position with USPACOM.



Mr. Joseph Carson is Chief Security Scientist at Thycotic. A Cyber Security Professional with 25+ years' experience in Enterprise Security & Infrastructure. Joseph is a Certified Information Systems Security Professional (CISSP). An active member of the Cyber Security community and a frequent speaker at Cyber Security events globally Joseph is also an adviser to several governments and cyber security conferences.

Joseph's engagements include: NATO, EU & Industry Cooperation In Cyber Security (Transatlantic Security Council), NATO Cyber Defense Centre of Excellence, EU Lisa, the Tallinn Paper, Cert.ee, EU General Data Protection Regulation, and NATO Specialist Meeting on "Mission Assurance of Autonomous Unmanned Systems".

Joseph is (ISC)² Information Security Leadership Award (ISLA®) Americas Winner 2018.



Mr. Eric Jung is the Program Manager for secure wireless networking programs within the Wireless Systems and Networks division of Perspecta Labs. Eric manages the company's Commercial Solutions for Classified (CSfC) programs, including research, product development, policy compliance, and integration into customer networks.

Recent integration projects Eric managed at Perspecta Labs included integrating commercial and custom products into classified and unclassified tactical and enterprise networks to meet the needs of mission-oriented



government customers. Before his 10+ years helping government customers meet their secure communication needs, Eric managed commercial network and software integration projects for commercial telecommunication carriers. Eric has 29 years with Perspecta Labs. Eric has a Master of Science in Computer Science from University of Southern California and a Bachelor of Science in Computer Science from New Jersey Institute of Technology.



Mr. Jim West possesses over 20 years experience in the Information Technology field with over 10 years focused within Cyber Security. He has worked in the IT and Security industry across many sectors of commercial, space, federal, and defense with expertise in Biometrics, Risk Management, Security Analysis, and Network and Systems Auditing. Jim holds multiple certifications which include; CISSP-ISSEP, ISSMP, CAP, GSLC, GCIH, GSNA, GCWN, G2700, PMP, CIPP, C-CISO, CEH, and many others.

Currently Jim develops and oversees Cyber Security programs for Tribalco’s Commercial Solutions for Classified solutions. Jim is also an award winning author and writer.



Mr. Joel M. Sisko joined Microsoft in 2011 supporting the North American escalation team for both Lync and Azure. After six years in Premier Escalations, he is now supporting the America’s sales business as a Global Black Belt focused on the Intelligent Edge and Hybrid Cloud solutions.

Joel started off his carrier as a mechanical engineer with Dresser Industries supporting industrial pump applications and various pump systems for US Naval Submarine and Surface fleet ships. During this time his work included time spent as a NJ Operational Engineer for Toxic and Flammable refrigerant systems. Prior to joining Microsoft, Joel was part of several startup companies over the past 20 years focused on the development and engineering of Enterprise and Carrier based telecommunication products and services.

Joel is a contributing telephony writer for O’Reilly Media and continues his work at Microsoft promoting open source solutions across Linux and Windows based systems.

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