



## Monday, 8 April

**1130 to 1630** Registration – Emerald Foyer

### Tutorials

	<i>Coral A</i>	<i>Coral B</i>	<i>Coral C</i>	<i>Coral D</i>	<i>Coastal A</i>	<i>Coastal B</i>	<i>Coastal C</i>	<i>Sandpiper</i>
<b>1230 to 1325</b>	Empowering Data-driven Decision Making: Hands on MicroStrategy AI (BYOD) <i>Kyle Kruger, MicroStrategy</i>	Department of the Air Force Modeling and Simulation Gateway <i>Andrew Browning, AF SDPE/DAF CMSO</i>  <b>Government/ Military Only</b>	Bridging the Last Mile Problem <i>Dr. Napoleon Paxton, AI Squared</i>	Fusion in Flight: Integrating Data, Analytics, and AI with Pentaho+ DataOps Platform <i>Dr. Pragyansmita Nayak, Hitachi Vantara Federal</i>	Optimizing Time to Value with Dataiku <i>Chris Olen and Dr. Charles Wheelus, Dataiku</i>	Analysis and Visualization of Military Convoy and Supply Utilization in Support of State-specific Freight Plans <i>Madison Hoffman, AFIT</i>	<b>Open Meeting Space</b>	<b>Command PE Competition</b>  1230 to 1430  <b>Match #1</b>
<b>Five Minute Break</b>								
<b>1330 to 1425</b>	Contingency Beddown Selection and Assessment (CBSA) V1.0 <i>Lawrence C. Parthum</i>	Synthetic Dataset Generation <i>Peyton Cleveland, Omni Federal</i>	Performing End-to-End MLOps in Cloud <i>Nicholas Toscano, Oracle</i>	Contextualizing Demographics of the DAF—the Workforce Analytics Dashboard <i>Lt Col Leah Pound, DAF</i>	Data Preprocessing for Generative AI Pipelines <i>Matt Robinson, Unstructured Technologies</i>	Enhanced Decision-Making through Tableau's AI Natural Language Processing <i>Gregory Garcia, Salesforce</i>	Flyways Defender for Airspace Awareness and Defense <i>Capt Ashley Strickland, ArCTIC Innovation</i>	<b>Command PE Competition</b>  1230 to 1430  <b>Match #1</b>  (Continued)
<b>Five Minute Break</b>								
<b>1430 to 1525</b>	CDAO JATIC: Joint AI T&E Infrastructure Capability Platform and Tooling <i>Joseph Early, MetroStar</i>	Tutorial: AI/ML You Can Use Today—ADVANA <i>Zach Maurer, DataRobot</i>	Development of a Project Tracker Tool in Envision <i>Mackenzie Ross, AETC SAS/FD</i>	LinQuest Advanced Decision Support: Pioneering MS&A, Cutting-edge AI/ML, & Ground-breaking Digital Transformation <i>Pete Szabo and Jeremy Noel, LinQuest</i>	Generative AI Retrieval-Augmented Generation (RAG) Overview and Interactive Demos <i>Mr. Jeff Maruschek, AWS</i>	Enhancing MICAP Reduction w/ Databricks & Leveraging for Predictive Analysis Operational Efficiency <i>Zafer Bilaloglu, Databricks</i>	<b>Open Meeting Space</b>	<b>Command PE Competition</b>  1500 to 1700  <b>Match #2</b>
<b>Five Minute Break</b>								

# Monday, 8 April *(Continued)*

## Tutorials

	<i>Coral A</i>	<i>Coral B</i>	<i>Coral C</i>	<i>Coral D</i>	<i>Coastal A</i>	<i>Coastal B</i>	<i>Coastal C</i>	<i>Sandpiper</i>
<b>1530 to 1625</b>	Pryon 101 & Solutions Training: Mastering Responsible Retrieval-Augmented and Generative AI <hr/> Aaron Zbylut & John Patterson, USAF/USSF <hr/> <b>Participants must bring their own laptops</b>	Threats from Generative AI-enabled Malicious Actors: A Futurecasting Workshop <hr/> Dr. David Caswell, Deloitte	Finetuning Multimodal Foundation Models for Image Captioning and Visual Question Answering: An MLOps Approach with Weights & Biases <hr/> Kevin Stofan, Weights & Biases	Utilizing VAULT as a Tech stack for DAF Data Analytics <hr/> Winston Graves, DAF	Enabling Expeditionary Operations (Aircrew and Personnel Readiness) <hr/> Daniel Miller and Barry Weinberg, Envision	Using OpenText IDOL for Open-Source Intelligence (OSINT) <hr/> Bryan White, MFGS, Inc.	<b>Open Meeting Space</b>	<b>Command PE Competition</b> 1500 to 1700 <b>Match #2</b> (Continued)

# Tuesday, 9 April

<b>0800 to 0900</b>	<b>Registration</b> – Emerald Foyer							
<b>0900 to 0905</b>	<b>Welcome</b>							
<b>0905 to 0925</b>	<b>Opening Remarks and Keynote Introduction</b> <hr/> Ms. Venice Goodwine, SES, DAF, Air Force Chief Information Officer							
<b>0930 to 1030</b>	<b>Keynote Presentation</b> <hr/> The Honorable Kristyn Jones, Performing the Duties of Undersecretary of the Air Force							
<b>Fifteen Minute Break</b>								
	<i>Coral A</i>	<i>Coral B</i>	<i>Coral C</i>	<i>Coral D</i>	<i>Coastal A</i>	<i>Coastal B</i>	<i>Coastal C</i>	<i>Sandpiper</i>
<b>1045 to 1130</b>	Capability Gap Collection, Analysis, and Prioritization to Support U.S. Special Operations Command <hr/> Joshua Meents, USSOCOM	MLOps in VAULT: Traffic Simulation at Tinker AFB <hr/> Dr. James Stockton, Altamira	Air Force Test Center: Leader Panel <hr/> Capt John Hamm, USAF	Enhancing National Security: Implementing Red Team Methodologies for the Assessment Fortification of AI Systems <hr/> Alex Levinson, Scale AI	Flight Difficulty Determined by Pilot Biometric Signals Using Neural Network <hr/> Capt Zach Butcher	AFSOC A/C Data, ML, and AI Pipeline <hr/> Duane Baldish, AFSOC	Building an Environment for Experimentation with Generative AI <hr/> Dr. Kelly Faddis, Accenture Federal Services	<b>Command PE Competition</b> 1045 to 1245 <b>Match #3</b>
<b>1130 to 1220</b>	15As at the NRO <hr/> Maj Andrew Cady <hr/> <b>C/FOUO</b>							
<b>1130 to 1245</b>	<b>Lunch</b>							

## Tuesday, 9 April *(Continued)*

<b>1245 to 1330</b>	<b>Keynote Presentation</b> <i>Mr. Ryan Swann, Chief Data Analytics Officer and Principal, Vanguard</i>							
	<b>Coral A</b>	<b>Coral B</b>	<b>Coral C</b>	<b>Coral D</b>	<b>Coastal A</b>	<b>Coastal B</b>	<b>Coastal C</b>	<b>Sandpiper</b>
<b>1345 to 1430</b>	AI Ethics <hr/> <i>Lt Col Chapa, DAF CDAO</i>	Data Fabric Framework for DDIL Decision-Making <hr/> <i>Steve Morgan, Raft, LLC</i>	Simplified Data Security for Faster Decision-Making <hr/> <i>Chris Brown, Immuta</i>	Project HIPPO-POTAMUS: Modeling Realistic Air Force Inventory Projections to Inform Human Capital Resourcing Decisions <hr/> <i>Lt Garth Terlizzi, AFMAA - MMSP</i>	Enhancing Noncombatant Evacuation Operations Through Dynamic Simulation <hr/> <i>Cameron Cuba, USAF</i>	Rapid AF Ownership Cost Normalization & Visualization Dashboard in Tableau SAF/SA <hr/> <i>Alexander Thomas</i>  <b>Government/ Military Only</b>	<b>Open Meeting Space</b>	<b>Command PE Competition</b>  1345 to 1545  <b>Match #4</b>
<b>Fifteen Minute Break</b>								
<b>1445 to 1530</b>	MIT AI Accelerator <hr/> <i>Col Floyd &amp; Maj Robinson</i>	Enabling Generative AI as a Component of Your Data and AI Strategy? <hr/> <i>Conor Jensen, Dataiku</i>	Developing a Common Risk Picture for AFGSC <hr/> <i>William DeMaio and Emily Parrish, Institute for Defense Analyses</i>  <b>Government/ Military Only</b>	AI in Combat Operations Today: The Story of Pedestal—11SOIS <hr/> <i>Maj Culley Horne and Jonny Eaves, AFSOC</i>	Leveraging Large Language Models for Efficient Data-driven Simulations: A Journey in Analytic Innovation <hr/> <i>Maj Justin Ross and 2Lt Kaleb Neal, USAF</i>	Mopii: ML Operational Pipelines in Industry <hr/> <i>Neeraj Chandra, USAF</i>	Advances in Federated Learning: Using Adaptive Client Selection for Overcoming Challenges <hr/> <i>Jennifer Allsop, USAF</i>	<b>Command PE Competition</b>  1345 to 1545  <b>Match #4</b>  <i>(Continued)</i>
<b>Fifteen Minute Break</b>								
<b>1545 to 1630</b>	C-5 Aircraft Availability: Using Analysis to Predict AA and Drive POM Decisions <hr/> <i>Madeleine Thompson, HAF - SAF/SA</i>  <b>Government/ Military Only</b>	AI Inventory <hr/> <i>Nicholas Shields, DAF CDAO</i>  <b>Government/ Military Only</b>	Capacity Modeling for High Volume Space Launch Ranges <hr/> <i>Derek Eichin</i>	UMD+? <hr/> <i>Kassidy Bullock, AFMAA/MMSD</i>	Empowering Real-Time Decision-Making: Streamlining DoD Exercise Feedback and PACAF Lessons Learned Reporting Through Automatic Summarization <hr/> <i>Brett Castro, USAFA</i>	Identity-Based Data Access: A Data Fabric Approach to Achieve Information Dominance <hr/> <i>Tyler Johnson, PrivOps, LLC</i>	Air Combat Command Data & AI Office (ACC/CDAO): Campaign to Weaponize Data <hr/> <i>Kaye Darone, ACC/CDAO</i>	
<b>1630 to 1830</b>	<b>Social</b> – Hilton Sandestin Sunset Deck							

# Wednesday, 10 April

<b>0800 to 0900</b>	<b>Registration – Emerald Foyer</b>							
<b>0900 to 1000</b>	<b>Keynote Presentation</b> <hr/> <i>Mr. Kian Katanforoosh, CEO, Workera</i>							
<b>Ten Minute Break</b>								
	<b>Coral A</b>	<b>Coral B</b>	<b>Coral C</b>	<b>Coral D</b>	<b>Coastal A</b>	<b>Coastal B</b>	<b>Coastal C</b>	<b>Sandpiper</b>
<b>1010 to 1055</b>	Advanced Data Processing and the Evolving Role of the Warfighter <hr/> <i>Alec Leeseberg, Velocity Explorations</i>	RadPlot: Rapid Assessment of Nuclear Effects <hr/> <i>Capt Nicholas Williams, Air Force Nuclear Weapons Center</i>	Enterprise Data Services <hr/> <i>Mr. David Sanchez, DAF CDAO</i> <hr/> <b>Government/ Military Only</b>	Autonomizing Airfield Assessments in Expeditionary, Network-Constrained Environments <hr/> <i>Noelle Tuss, Reveal Technology</i>	Quantitative Assessment of Machine Learning Reliability and Resilience <hr/> <i>Dr. Lance Fiondella, UMASS</i>	Discrete Event Simulation for Air Force War Planning <hr/> <i>Dr. Andrew Hollis, USAF</i>	Optimizing Logistics through Operational Machine Learning <hr/> <i>Katharine McCarley, Accenture Federal Services</i>	<b>Command PE Competition</b>  1010 to 1200  <b>Semi-final #1</b>
<b>Ten Minute Break</b>								
<b>1105 to 1150</b>	Commoditizing Data through a Democratized HPC Network <hr/> <i>Blake Brown, Blue Ivy Partners</i>	The Future of Cloud-Native, Zero-Trust Data <hr/> <i>Chad Cravens, Open Source Systems, LLC</i>	Pathway to Risk Informed Force Design through Data Aggregation and Analysis <hr/> <i>Capt Clarence Williams, AF/AF/7, and 1st Lt Elizabeth Lambert</i>	Counter Insider Threat Reporting Tool—Air Force Materiel Command <hr/> <i>Mitch Maletic, Air Force Materiel Command</i>	VAULT Data Platform <hr/> <i>Clare Bolin and Gerson Escobar</i>	Secure DoD Cloud HPC and AI/ML: Accelerating Modeling & Simulation for the Air Force <hr/> <i>David Goodrum, AWS</i>	Data Analysis Methods for Testing Autonomous Flight Systems <hr/> <i>Jesse Arzate, DAF AFTC</i>	<b>Command PE Competition</b>  1010 to 1200  <b>Semi-final #1</b>  (Continued)
<b>1150 to 1300</b>	<b>Lunch</b>							
<b>1300 to 1400</b>	<b>Keynote Presentation</b> <hr/> <i>Ms. Tara Dougherty, CEO, Govini</i>							
<b>Fifteen Minute Break</b>								
	<b>Coral A</b>	<b>Coral B</b>	<b>Coral C</b>	<b>Coral D</b>	<b>Coastal A</b>	<b>Coastal B</b>	<b>Coastal C</b>	<b>Sandpiper</b>
<b>1415 to 1500</b>	The Ethical Analyst—Lessons from the Legends <hr/> <i>Dr. Jackie Henningsen, Former Director, AF/A9</i>	Decision Analysis Using Value-Focused Thinking: A Case Study in System Maintenance Options <hr/> <i>Elizabeth Berta, USAF</i> <hr/> <b>Government/ Military Only</b>	Unlocking the Potential of AI to Deter U.S. Adversaries with a Resilient Supply Chain <hr/> <i>Charlie McGillis</i>	Recruiter Allocation Optimization <hr/> <i>Quinton Brown</i>	DAF Chief of AI Test & Operations <hr/> <i>Col Tucker Hamilton, DAF CDAO</i>	WingmanAI—Enabling Accredited AI/ML Production Deployment Pipelines <hr/> <i>Dennis Bowen, Technergetics</i>	Graduate Pilot Training in the USAF: An Analysis of Mobility Pilot Student Performance <hr/> <i>Heather Moore, USAF</i>	<b>Command PE Competition</b>  1415 to 1600  <b>Semi-final #2</b>
<b>Fifteen Minute Break</b>								

## Wednesday, 10 April *(Continued)*

	<i>Coral A</i>	<i>Coral B</i>	<i>Coral C</i>	<i>Coral D</i>	<i>Coastal A</i>	<i>Coastal B</i>	<i>Coastal C</i>	<i>Sandpiper</i>
<b>1515 to 1600</b>	Large Language Model at a Combatant Command <i>Kevin D'Angelo, CENTCOM</i>	Military Data Labeling 101 <i>Peter Kant, Enabled Intelligence, Inc.</i>	Leveraging Envision to Deploy a Customized & Automated Crew Scheduling Application: 13N FAST <i>Capt Jacob Ehrlich</i>	Utilizing Envision to Ascend the Data Maturity Model at SSC <i>Alex Kilcullen and Tyler Feese, SSC/ACX</i>	Leveraging AI and ML in DevOps for Cyber-Physical Systems <i>Bryan Guinn, SBIR Advisors</i>	DAF CDAO & AFRL redForce present: Operationalizing MLOps Platforms for Airmen & Guardians <i>Lt Col Lucas Will &amp; Mr. Morgan Bishop</i> <b>Government/ Military Only</b>	Topological Multimodal Sensor Data Analytics for Target Recognition and Information Exploitation in Contested Environments <i>Dr. Paul T. Schrader</i>	<b>Command PE Competition</b> 1415 to 1600 <b>Semi-final #2</b> <i>(Continued)</i>
<b>1600 to 1700</b>	<b>Awards Ceremony</b> (DAFAC Annual)							

## Thursday, 11 April

<b>0800 to 0830</b>	<b>Registration</b> – Emerald Foyer							
<b>0830 to 0900</b>	<b>Opening Remarks and Keynote Introduction</b> <i>Mr. Rowayne A. Schatz, Jr., SES, DAF, Director, Studies &amp; Analysis</i>							
<b>0900 to 1000</b>	<b>Keynote Presentation</b> <i>General Slife, Vice Chief of Staff of the Air Force</i>							
<b>Fifteen Minute Break</b>								
	<i>Coral A</i>	<i>Coral B</i>	<i>Coral C</i>	<i>Coral D</i>	<i>Coastal A</i>	<i>Coastal B</i>	<i>Coastal C</i>	<i>Sandpiper</i>
<b>1015 to 1100</b>	Training AI Practitioners of the Future with Digital University <i>Peyton Cleveland, Omni Federal</i>	Periodically Observed Poisson Processes and Social Contagion <i>Maj Zachary Hornberger</i>	DAF Stanford AI Accelerator: Fusing Academia and Industry to Solve Operational Imperatives <i>Capt John Alora</i>	Establishing a Modeling, Simulation, and Analysis Capability at the Newest Combatant Command <i>Sean Mitcham</i>	Autonomy Operations in Test <i>Abraham Eaton, USAF</i>	Impact of AFGSC's Data Analytics and Collaboration Cell <i>Devon Knudsen</i>	Improving Instructor Diversity in Technical Training Pipelines <i>1st Lt Grace Metzgar</i>	<b>Command PE Competition</b> 1000 to 1200 <b>Final</b>
<b>Fifteen Minute Break</b>								
<b>1115 to 1200</b>	Advancing USSPACE-COM Prioritization: Integrating the Bradley-Terry Model and Double-Bracket Competitions for Enhanced IPL Ranking <i>Thomas McNulty</i>	Improving Army Logistics with Quantum Computing <i>Gavin Hartnett, Q-CTR</i>	Enhancing Data Dictionary Insights through Automated Profiling and Interactive Web Applications <i>Matthew Small</i>	15 Alpha Career Field Health and Overview <i>Col Woodward and Mr. Schatz</i>	Supercharging Weapons Test and Evaluation with the Digital Transformation <i>Teresa Dailey and Chanté Baker</i>	Envision—Deploying a Model, Lessons Learned <i>Capt Paul Jamboretz</i>	<b>Room Unavailable</b>	<b>Command PE Competition</b> 1000 to 1200 <b>Final</b> <i>(Continued)</i>