

Tuesday, 27 September 2022

- 0730 - 0815** **Registration & Continental Breakfast**
Auditorium Foyer
- 0815 - 0830** **Welcome & Visco Announcement**
Dr. Les Servi, MORS President
ETF Committee
Auditorium
- 0830 - 0930** **Keynote**
Dr. Kristen Kulinowski
Director of Science and Technology Policy Institute
Institute for Defense Analyses
Auditorium
- 0930 - 0940** **Break**
Auditorium Foyer

	Visco Prize Competition <i>Room 1306/1308</i>	Session 1: Emerging AI / ML <i>Room 1316</i>	Session 2: IT Optimization <i>Auditorium</i>
0940 - 1020	Resilient Position Data Fusion with a Generic Kalman Filter Method Dr. Paul Fanto, Institute for Defense Analyses	Ethics, Rules of Engagement, and AI: Neural Narrative Mapping Using Large Transformer Language Models Dr. Philip Feldman, ASRC Federal	Data Fabric: A Distributed Concept of Data Operations for Information Superiority in all Operational Environments, from the Enterprise to the Battlespace Mr. Bhaarat Sharma & Mr. Barak Stout, Raft
1020 - 1100	Enterprise Risk Assessment and Strategic Security Measure Allocation for Optimal Aviation Security Major Taylor Leonard, United States Air Force	Leveraging Neural Networks to Modernize Placement Methodology for the U.S. Army Recruiting Command's Enlisted Recruiting Force Dr. Kayleigh Cron & Mr. Charles Lovejoy, United States Army	Digital Engineering Support to the Joint All Domain Command and Control (JADC2) Network Mr. Chuck Burdick, CAP, ITA International, LLC
1100 - 1140	C-sUAS Analytic Model Dr. Michael Yereniuk, TRAC-WSMR	From CNNs to Symbolic Explainable Models to Protection Against Adversarial Attacks to Automated Video Processing Dr. Asim Roy, Arizona State University	Using Coupled Optimization to Solve Complex Systems Decision Analysis Ms. Christina Bridges, The George Washington University
1140 - 1220	Dynamically Tracking Space R&D Funding using Python and Machine Learning Mr. Nicholas Wagner, Institute for Defense Analyses	Lunch	Lunch

1220 - 1300	Community/Infrastructure Adaptation to Climate Change (CIACC): From Scientific Literature to Actionable Insights using Advanced Natural Language Processing Mr. John Hutchison, Argonne National Laboratory		
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1300 - 1400 **Featured Speaker**
Dr. Ryan Barrett, Brookings Fellow
Auditorium

1400 - 1410 **Break**
Auditorium Foyer

	Visco Prize Competition <i>Room 1306/1308</i>	Session 3: Infrastructure <i>Room 1316</i>	Session 4: Methodological Advances <i>Auditorium</i>
1410 - 1450	Quantitative Intelligence Source Uncertainty Analysis Using Multi-Objective Decision Modeling Mr. Adam Nesmith, United States Air Force	Functions to Assets: A Holistic Risk Assessment of Critical Infrastructure Dr. Lauren Wind, SPA, Inc.	Safe Machine Learning Prediction and Optimization via Extrapolation Control Dr. Tom Donnelly, JMP Statistical Discovery LLC
1450 - 1530	Assessing Ransomware Activity in Operational Technology Environments Using Bayesian Networks Dr. Lee Maccarone, Sandia National Laboratories	Micro Baselines for Operational Environments Dr. Gabriel Weaver, Idaho National Laboratory	Quantifying Non-functional Software User Requirements Using SNAP Mr. Charles Tichenor, Marymount University
1530 - 1540	Break <i>Auditorium Foyer</i>		
1540 - 1610	Generative Methods and Meta-learning for Cybersecurity Capt Marc Chale, Air Force Institute of Technology	Upcoming MORS Special Meeting: "Scoping the Analytical Implications of Climate Change and Extreme Events for National Security" Mr. Don Timian, Retired	Bayesian Adaptive Design as an Effective Testing Approach Ms. Victoria Rose Carrillo Sieck, Air Force Institute of Technology
1610 - 1650	Recurrent Neural Networks to Streamline Data Interoperability Dr. Donald Williams, Jr.		Quickly Comparing Machine Learning Methods Dr. Tom Donnelly, JMP Statistical Discovery LLC
1650 - 1730		Using Transfer Learning to Accelerate Model Development Mr. Andy Block, Dataiku	

1730 - 1930 **Networking Reception at IDA Café (Alcohol Free)**
No Ticket Required

Wednesday, 28 September 2022

0800 - 0845	Registration & Continental Breakfast <i>Auditorium Foyer</i>
0845 - 0900	Visco Announcement <i>Auditorium</i>
0900 - 1000	Keynote Dr. Raj Iyer Army Chief Information Officer, U.S. Department of the Army <i>Auditorium</i>
1000 - 1015	Break <i>Auditorium Foyer</i>
1015 - 1115	Featured Speaker Dr. Baruch Fischhoff - virtual Howard Heinz University Professor, Institute for Politics and Strategy, and Engineering & Public Policy, Carnegie Mellon University <i>Auditorium</i>

	Sessions & Tutorials <i>Room 1306/1308</i>	Tutorials <i>Room 1316</i>	Tutorials <i>Auditorium</i>
1115 - 1215	Tutorial: Antifragility and Future Conflict Mr. Bill Buppert, Raytheon	Tutorial: Data Science in the Cloud: Accelerating the Machine Learning Lifecycle through Amazon SageMaker Mr. Michael Liu	Tutorial: Art of Successful Analysis Mr. Trip Barber, SPA
1215 - 1330			Lunch
1330 - 1445	Classified Discussion: Emerging Threats Mr. Ralph Blackburn, Institute for Defense Analyses Dr. Ryan Barrett, Brookings Fellow	Tutorial: Human Factors Aspects of Visual Cognition Dr. Paul Thompson, Institute for Defense Analyses	Tutorial: Analysis Fundamentals Mr. Kenneth Amster
1445 - 1500	Break		
1500 - 1700	Tutorial: How to Leverage Text, Image, and Social Interaction Data for OSINT Analysis: A Hands-On Tutorial Dr. Onur Savas, Regina Kaya Catipon, Dr. Lisa Scott Holt & Mr. Adam Lind	Tutorial: A Gentle Introduction to Battlefield AI and Autonomy for Non-Technical Beginners Mr. Jerry Schlabach & Mr. Bill Buppert, Raytheon	

1730 - 1900	Networking Social Overlook in the Hyatt Regency Crystal City at Reagan National Airport 2799 Richmond Hwy, Arlington, VA 22202 No Ticket Required
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Thursday, 29 September 2022

- 0730 - 0815** **Continental Breakfast**
Auditorium Foyer
- 0815 - 0830** **Welcome**
ETF Committee
Auditorium
- 0830 - 0915** **Fireside Chat**
Dr. Les Servi, MORS President
Ms. Jennifer Ferat, MORS CEO
Auditorium
- 0915 - 0930** **Break**
Auditorium Foyer
- 0930 - 1030** **Featured Speaker**
Dr. Michael Ford
Associate Laboratory Director for Engineering at the U.S. Department of Energy's
Princeton Plasma Physics Laboratory (PPPL)
Auditorium
- 1030 - 1040** **Break**
Auditorium Foyer

	Session 5: Organizational Analysis <i>Room 1306/1308</i>	Session 6: Cyber Models <i>Room 1316</i>	Tutorial <i>Auditorium</i>
1040 - 1120	Simulation-Supported Wargaming at the Campaign Level Mr. Chuck Burdick, CAP, ITA International, LLC	A Novel Model of Cyber Combat Dr. Stephen Spey, Center for Naval Analysis	Operationalizing Open-World Probabilistic Programming at the Edge Dr. David Rushing Dewhurst, Charles River Analytics
1120 - 1200	Understanding the Future Through Army Capability Threads Mr. David DiCarlo, The Research and Analysis Center (TRAC)	Can you DIG It?: Transparency at a Glance: A Concept for Transparency of SAFA and AI Systems through (DIG)(Patent Pending) Ms. Gina Hartnett, Army Futures Command DEVCOM DAC	

- 1200 - 1300** **Lunch**
Auditorium Foyer

1300 - 1415

Panel: Future of OR

Dr. Anne Robinson, Kinaxis

Professor Karla Hoffman, George Mason University

Mr. Rangatha Nuggehalli, UPS

Mr. Michael Woudenberg, Chainalysis, Inc - virtual Auditorium

1415 - 1430

Closing Remarks

Auditorium

Partner Exhibits

Make sure to stop by and visit our partner exhibits!

