2023 Trust & Influence Program Review

Dr. Laura Steckman | August 14-18, 2023 | USAFA, CO -hybrid

| Air Force Academy (USAFA) | Colorado 80840 |
| Polaris Hall |

(All Times MDT)
Agenda Day 1 | Monday, August 14, 2023

Time	Topic	Speaker
9:45	**Zoomgov login**	
1000-1125	**Speaker: Dean Brig Gen Letendre**	Introduction by **Dr. L. Steckman**
	USAFA	**Lt Col Chad Tossell** - USAFA
	Program Progress	**Dr. Laura Steckman** - AFOSR
1130-1140	BREAK	
1145-1155	Lightening Talk: Identifying the Salient Signals Exchanged between Facilitators and Participants during Problem Polving	**Dr. Jessica Menold** The Pennsylvania State University
1200-1255	LUNCH	
1300-1310	Lightening Talk: CAMPeN: A Novel Human-AI Collaborative Framework for Multi-Perspective Narrative Analytics and Braiding at Scale	**Dr. Shubhra Kanti Karmaker** Auburn University, Alabama
1310-1320	Lightening Talk: Autonomy-mediated trust: Supportive autonomy for resolving disputes and fostering relationships in heterogeneous teams	**Dr. Jonathan Gratch** University of Southern California
1320-1330	Lightening Talk: A Network Theory of Credence	**Dr. Yu-Ru Lin** University of Pittsburgh
1330-1340	Lightening Talk: Building and Exploiting Theory of Mind to Support Trust Calibration in Human-Machine Joint Action	**Dr. Wenlong Zhang** Arizona State University
1340-1350	Lightning Talk: The Effects of West African Historical Time on Socio-Political Behavior	**Dr. Doug Leonard** US Air Force Academy Department of History
1350-1415	Understanding Individual and Team Cognition in Support of Future Space Missions	**Dr. Stephen Fiore** University of Central Florida
1415-1440	Linking networks to uncover cryptic risks and vulnerabilities	**Dr. Shade Shutters** Arizona State University
1440-1450	BREAK	
1455-1520	Calibrated Norm Violation Response in Human-Machine Teaming	**Ms. Terran Mott** Colorado School of Mines
1520-1545	Human-Machine Sensory Sharing for Swift Trust in Autonomy	**Dr. Eric Du** University of Florida
1545-1610	Search Algorithms, Political Bias, and Racialized Discourse	**Dr. Brian Ekdale** University of Iowa
1700	REVIEW ADJOURN	

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Agenda Day 2 | Tuesday, August 15, 2023

Time	Topic	Speaker
7:45	**Zoomgov login**	
0800-0825	Global Security Program: Contested Cross-border Spaces, Illicit Flows, and Order in the Contemporary World	**Dr. Annette Idler** University of Oxford
0825-0850	Enabling Trusted Human-Like Artificial Teammates	**Dr. Matthias Scheutz** Tufts University
0850-0915	Analyzing Effects of Sanctions on International Economic Interdependencies	**Dr. Lincoln Pratson** Duke University
0915-0940	Detecting and Mitigating Adversarial Influence Operations in Networks	**Dr. Kristina Lerman** USC Information Sciences Institute
0940-0955	**BREAK**	
1000-1025	Metrics and Models for Real Time Inference and Prediction of Trust in Human-autonomy Teaming	**Dr. Zhaodan Kong** University of California, Davis
1025-1050	Climate Change, Resource Reallocation, and Great Power Competition	**Dr. Kristopher Ramsay** Princeton University
1050-1130	Robot Anthropomorphism and Overtrust in Life-or-death Decision-making	**Dr. Colin Holbrook** University of California, Merced
1205-1300	**LUNCH**	
1305-1330	Comparing Underlying Drivers of South-North Migration in Central America and West Africa	**Dr. David Wrathall** CIESIN, Columbia Climate School, Columbia University
1330-1355	Modeling and Calibrating Trusted Interactions between a Human Agent and AI system: A Combined Quantum-cognitive and EEG based Approach	**Prof. Peter Bruza** Queensland University of Technology
1355-1420	Automatic Detection and Analysis of Extremist Video Content on Social Media using Text, Speech, and Visual Features	**Ms. Lin Ai** Columbia University
1435-1450	**BREAK**	
1455-1520	Positively Influencing Attitudes and Behaviors Through Social Media Messaging	**Dr. Kathleen Larson** 711 Human Performance Wing
1520-1545	A Cognitive Modeling Approach for Understanding Computational Intelligence-human Interactions in Uncertain and Complex Decision-making Environments	**Dr. Edmundo Molina-Perez** Tecnologico de Monterrey
1545-1610	Understanding Influence using Personality-driven Profiles and Prevention (IP3)	**Dr. Neil Shortland** University of Massachusetts,

		Lowell
1610-1635	Computational Kremlinology: Analyzing the Dynamics of Authoritarian Regime Elites using Networks Constructed from Images and Text	**Dr. Michael Gabbay** University of Washington
1635-1700	Trust and Teaming in Voice-based Human-computer Interactions	**Dr. Luciana Ferrer** CONICET
1700	**REVIEW ADJOURN**	

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Agenda Day 3 | Monday, August 16, 2023

Time	Topic	Speaker
7:45	**Zoomgov login**	
0800-0825	Detecting Stances and Moral Events in Media Narratives	**Dr. Lu Wang** University of Michigan
0825-0850	Trust Dynamics in Heterogeneous Human-Agent Teams: Applying Multilevel and Unobtrusive Perspectives	**Dr. Meredith Carroll** Florida Institute of Technology
0850-0915	Moral Justification to Foster Human-Machine Trust	**Dr. Elizabeth Phillips** George Mason University
0915-0940	Post-Conflict Security Structures and Citizen Buy-In	**Mr. Carlos Schmidt-Padilla** University of California, Berkeley
0940-1040	Keynote Speaker	**Dr. Joel Mozer** United States Space Force, Director of Science, Technology and Research
1100-1150	**LUNCH**	
1150-1200	Meet at Observation Point to Watch Noon-meal Formation	
1200-1215	Noon-meal Formation	
1215-1345	Tours	
1350-1415	Complex Linkages, Ambivalent Ties: Global Security and Economic Interdependence in the 21st Century	**Dr. Erik Gartzke** cPASS, UCSD
1415-1440	Climate Change and Alternative Governance	**Dr. Cyanne Loyle** University of Maryland

Time	Topic	Speaker
1450-1500	**BREAK**	
1500-1525	Economic Interdependence and National Security in the 21st Century	**Dr. Erik Gartzke** cPass, UCSD
1525-1550	DOD Minerva grant: Social and institutional determinants of vulnerability and resilience to climate hazards in the African Sahel	**Dr. Leonardo Villalon** University of Florida
1550-1615	Narrating National Artificial Intelligence Infrastructures: Insights from Social and Computer Sciences on Technological Diffusion	**Dr. JP Singh** George Mason University
1615-1640	Trust Building in Human-autonomy Teaming: A Reinforcement Learning Approach	**Dr. Jessie Yang** University of Michigan
1700	**REVIEW ADJOURN**	
1800-2000	No-host social: Variety of food from local vendors will be available for purchase. Even though our reserved time will end at 8pm, feel free to stay and enjoy this local favorite.	

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Agenda Day 4 | Thursday, August 17, 2023

Time	Topic	Speaker
7:45	**Zoomgov login**	
0800-0825	Considerations of Ethical and Unethical Behavior on Trust in Human-Autonomy Teaming	**Dr. Nathan McNeese** Clemson University
0825-0850	The Role of Structural Language Adaptation in Human-Machine Team Performance	**Dr. Sarah Bibyk** AFRL
0850-0915	Human & Intelligent-Agent Trust for Ethical and Effective Teaming	**Lt Col. Chad Tossell** USAF Academy
0915-0940	The Spread of Trust and Distrust in Distributed Human-Autonomy Teaming Constellations	**Dr. Nathan McNeese** Clemson University **Jamie Gorman** Arizona State University
1000-1010	**BREAK**	
1015-1040	Do War Memories Divide or Unite? Legacy of Historical Airstrikes on Anti-American Sentiment	**Dr. Erin Lin** Ohio State University
1040-1105	Trust in Human-Robot Interaction via Embodiment and Theory of Mind	**Prof. Angelo Cangelosi** University of Manchester **Prof. Samuele Vinanzi** Sheffield Hallam University

Time	Topic	Speaker
1105-1130	Long and De-Stabilizing Shadows: The Identity Shaping Power of Media Systems and Their Impact on Global Security	**Dr. Tony Lemieux** Georgia State University
1130-1155	Investigating Human Cognitive Bias in AI-Assisted Decision Making: The Case of Deception Assessment from Speech Data	**Dr. Theodora Chaspari** Texas A&M University
1200-1255	**LUNCH**	
1300-1325	Extending Theoretical Trust Modeling: A Field Study of Heterogeneous Human-Machine Teams Operating in Contexts with Real Users, Real Systems, and Real Consequences	**Dr. Nhut Ho** California State University, Northridge
1325-1350	Foreign Military Training: Building Effective Armed Forces in Weak States	**Dr. William Reno** Northwestern University
1350-1425	The Future of Human Governance: Assessing China's Ambitions to Proliferate AI-Enabled Authoritarianism	**Dr. Jeannie Johnson** Center for Anticipatory Intelligence, Utah State University
1445-1500	**BREAK**	
1500-1525	Ad Hoc Teamwork and Trust	**Ms. Polyana Costas** Informatics at PUC-Rio **Dr. Alberto Sardinha** INESC-ID and PUC-Rio
1525-1550	What's Missing? Innovating Interdisciplinary Methods for Hard-to-Reach Environments	**Dr. Erika Frydenlund** Old Dominion University
1550-1615	Modeling and Predicting Individual Scientific Impact	**Dr. Dashun Wang** Northwestern University
1615-1640	Science Genome: A Scholarly Graph Embedding Framework to Uncover the Fundamental Dynamics of Scientific Enterprise	**Dr. Yong-Yeol Ahn** Indiana University
1700	**REVIEW ADJOURN**	

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Agenda Day 5 | Friday, August 18, 2023

Time	Topic	Speaker
7:45	**Zoomgov login**	

0800-0825	The Collaboration in Outer Space, the Chinese Perspective	**Ms. Nanou Yang** Georgetown University
0825-0850	Jordan: A Case Study of Social Media Messaging and Conflict in the Middle East	**Ms. Taghreed Alresheq** Georgetown University
0850-0915	Addressing Resilience in the Western Alliance Against Fragmentation: Willingness to Sacrifice and the Spiritual Dimension of Intergroup Cooperation and Conflict	**Prof. Angel Gomez** Pembroke College Oxford
0915-0940	Examining Oxytocin as a Causal Mechanism for Long-Term Bonding Between Humans and Autonomy	**Dr. Ewart de Visser** George Mason University
0940-0955	BREAK	
0955-1020	Cognitive Security and its Mitigation: A Theoretical Framework, Supporting Neurophysiological Studies, and Interactive Deep Learning Models in Sparse and Dense Information Environments	**Dr. Leanne Hirshfield** University of Colorado Boulder
1020-1045	Africa's Scientific Landscape	**Dr. David Backer** University of Maryland
1045-1110	Robot Compromise	**Dr. Gerald Matthews** George Mason University
1110-1125	Learning Dynamics and Detecting Causal Pathways in Coupled Online-Offline Systems	**Dr. P. Jeffrey Brantingham** UCLA
1125-1210	LUNCH	
1210-1235	New AI/GPT meets Online (Dis)Trust: Defense at Scale for the Looming Online War	**Prof. Neil Johnson** George Washington University
1335-1400	The Ethics of Warfighter Participation in the Development and Testing of AI-driven Performance Enhancements	**Dr. Nicolas Evans** University of Massachusetts, Lowell
1400-1415	Video Presentation: Trust as a Facilitator on the Uptake of Technology	**Prof. Sónia de Costa Sousa** EOARD
1415-1440	Interactions of Human and Machine Intelligence in Modern Economic Systems	**Prof. Yun Kuen Cheung "Marco"** Australian National University
1440-1455	BREAK	
1455-1520	Interim Research Performance Progress	**Ms. Lara Gauder** University of Buenos Aires
1520-1545	Efficient Simulation of Societies of Believable Interactive Agents	**Dr. Arnav Jhala** North Carolina State University
1545-1610	Climate Change Migration: Implications for Homeland Security	**Dr. David Webber** University of Maryland College Park
1700	REVIEW ADJOURN	