MAD SCIENTIST CONFERENCE: DISRUPTION AND THE FUTURE OPERATIONAL ENVIRONMENT



1700-2000

April 24 & 25, 2019

The University of Texas at Austin Livestreaming at: www.tradoc.army.mil/watch



WEDNESDAY, APRIL 24	WEDI	NESDAY,	, apri	L 24
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All Times Central Time

0800-0840	REGISTRATION / NETWORKING
0840-0850	ADMIN REMARKS Mr. Lee Grubbs, Director, Army Mad Scientist Initiative
0850-0905	WELCOME REMARKS Lieutenant General James M. Richardson, Deputy Commanding General, U.S. Army Futures Command
0905-0920	WELCOME REMARKS Dean Sharon Wood, University of Texas at Austin, Cockrell School of Engineering
0920-1005	KEYNOTE SPEAKER Dr. James Canton, Global Futurist, Institute for Global Futures
1005-1030	NETWORKING BREAK
	THEME: ROBOTICS
1030-1115	Al and Future Warfare: The Rise of the Robots (and Army Futures Command) Mr. Robert O. Work, Senior Counselor for Defense and Distinguished Senior Fellow for Defense and National Security, Center for a New American Security (CNAS) and Owner, TeamWork, LLC
1115-1200	System of System-Enhanced Small Units (SESU) Dr. Paul Zablocky, Program Manager, Strategic Technology Office (STO), Defense Advanced Research Projects Agency (DARPA)
1200-1330	NETWORKING LUNCH SENIOR LEADER LUNCH (Invitation only) AND OPTIONAL TOURS
1330-1415	The Robocup Challenge (2050) and Human in the Loop Machine Learning Dr. Peter Stone, Professor, Computer Science, University of Texas at Austin Dr. Garrett Warnell, Research Scientist, Army Research Lab South
1415-1500	Transitioning Technology and People out of Academia Dr. Mitch Pryor, Research Scientist, Mechanical Engineering, University of Texas at Austin Dr. Brian O'Neil, Research and Development Engineer, Los Alamos National Labs
1500-1545	Reliable Autonomous Robotics: Perception, Learning, and Trust Dr. Maruthi Akella, Professor, Aerospace Engineering and Engineering Mechanics, University of Texas at Austin Dr. Todd Humphreys, Associate Professor, Aerospace Engineering and Engineering Mechanics, University of Texas at Austin
1545-1600	NETWORKING BREAK
1600-1645	Human-Robot Interaction and Disaster Robotics Mr. Coitt Kessler, Robotics for Emergency Deployment Team, Austin Fire Department Dr. Julie A. Adams, Associate Director of Research, Collaborative Robotics and Intelligent Systems Institute, Electrical Engineering and Computer Science, Oregon State University
1645-1700	CLOSING REMARKS Lieutenant General Theodore Martin, Deputy Commanding General, U.S. Army Training and Doctrine Command (Via Video)

No-Host Social (directly following closing remarks)

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0745-0800	Opening Remarks Brigadier General James P. Bienlien, G 3/5/7 Futures and Concepts Center, U.S. Army Futures Command
0800-0845	Accurate Technology Forecasting to Enable Army Operational Overmatch into the Deep Future Dr. Troy Alexander, Technology Forecasting Lead, Combat Capabilities Development Command (CCDC), Army Research Laboratory
	THEME: FUTURE OF SPACE AND ETHICS
0845-0930	Robotics in Space Dr. Julia Badger, Project Manager, Robotics Intelligence for Human Spacecraft Team, NASA
0930-1030	PANEL: Ethics and the Future of Al Innovation Moderator: Dr. Ken Fleischmann, Associate Professor, School of Information, University of Texas at Austin Dr. Jakki Bailey, Assistant Professor, School of Information, University of Texas at Austin Dr. Danna Gurari, Assistant Professor, School of Information, University of Texas at Austin Dr. Matt Lease, Associate Professor, School of Information, University of Texas at Austin Ms. Evanna Hu, Fellow, International Security Program at New America, CEO and Partner of Omelas
1030-1045	NETWORKING BREAK
1045-1130	Hypersonics and Autonomy in Near Space Dr. Alex Roesler, Deputy Director, Integrated Military Systems Center, Sandia National Labs Dr. Gary Polansky, Chief Scientist for Hypersonic Technology Development and Applications, Sandia National Labs
1130-1230	Space Traffic Management and Situational Awareness Dr. Moriba K. Jah, Associate Professor, Aerospace Engineering and Engineering Mechanics, University of Texas at Austin Dr. Diane Howard, Adjunct Professor, School of Law, University of Texas at Austin
1230-1345	NETWORKING LUNCH (Briefing by Michael C. Sekora, Founding Director Socrates Project)
1345-1445	PANEL: Space Law Games Moderator: Mr. Matt Bold, Lockheed Martin Mr. Daniel Michon, J.D. Candidate, University of Texas at Austin School of Law Ms. Cheyenne Williams, Student, University of Texas at Austin + Student Panelist
1445-1530	Planet Habitability and Life Forms: Xenobiology for Military Applications Dr. Andrew D. Ellington, Professor, Molecular Biosciences, University of Texas at Austin Habitability of Icy Ocean Worlds and the Europa Clipper Mission Dr. Krista Soderlund, Research Associate, Institute of Geophysics, University of Texas at Austin
1530-1545	NETWORKING BREAK
1545-1630	Science Fiction and the Future Operational Environment Ms. Martha Wells, Science Fiction Author, <i>Murderbot Diaries</i>

1645 Conference Adjourns

CLOSING REMARKS Mr. Thomas Greco

Director of Intelligence, Deputy Chief of Staff, G-2, U.S. Army TRADOC

1630-1645