

# AGENDA

# WEDNESDAY, MARCH 6, 2019

**SIDEBARS: Will run concurrently throughout the day**

7:00 AM – 8:30 AM	Networking Breakfast
8:30 AM – 8:40 AM	<b>Welcome</b> <i>Speaker: Dr. Steven H. Walker, Director, DARPA</i>
8:40 AM – 9:10 AM	<b>Keynote</b> <i>Dr. Josh Tenenbaum, Professor, Massachusetts Institute of Technology, Department of Brain and Cognitive Sciences</i>
9:10 AM – 9:35 AM	<b>Explainable AI</b> <i>Speaker: Dr. David Aha, Acting Director, Navy Center for Applied Research in AI, U.S. Naval Research Laboratory</i>
9:35 AM – 10:00 AM	<b>Accelerating Chemistry with AI</b> <i>Speaker: Dr. Anne Fischer, Program Manager, DARPA / Defense Sciences Office</i>
10:00 AM – 10:25 AM	<b>AI for Augmented Intelligence</b> <i>Speaker: Dr. Joshua Elliott, Program Manager, DARPA / Information Innovation Office</i>
10:25 AM – 10:55 AM	Networking Break
10:55 AM – 11:20 AM	<b>Data-Driven Discovery of Models</b> <i>Speaker: Mr. Wade Shen, Program Manager, DARPA / Information Innovation Office</i>
11:20 AM – 11:45 AM	<b>Spectrum Collaboration Challenge</b> <i>Speaker: Dr. Paul Tilghman, Program Manager, DARPA / Microsystems Technology Office</i>
11:45 AM – 12:10 PM	<b>AI-Enabled Design</b> <i>Speaker: Dr. Jan Vandenbrande, Program Manager, DARPA / Defense Sciences Office</i>
12:10 PM – 1:40 PM	Networking Lunch
1:40 PM – 2:55 PM	<b>AI R&amp;D Ethics</b> <i>Speaker: Dr. Richard Danzig, National Security Consultant</i> <i>Speaker: Dr. Patrick Lin, Director, Ethics + Emerging Sciences Board, California Polytechnic State University</i> <i>Speaker: Dr. Heather Roff, Senior Research Analyst, Johns Hopkins University Applied Physics Laboratory</i> <i>Speaker: Mr. Paul Scharre, Senior Fellow and Director, Technology and National Security Program, Center for a New American Security</i>
2:55 PM – 3:20 PM	<b>Network Cyber Defense at Scale</b> <i>Speaker: Mr. Jacob Baxter, Senior Research Scientist, PUNCH Cyber</i>
3:20 PM – 3:45 PM	<b>Advances in Natural Language Understanding</b> <i>Speaker: Dr. Pedro Szekely, Principal Scientist and Research Director, Center on Knowledge Graphs, USC Information Sciences Institute</i>
3:45 PM – 4:15 PM	Networking Break
4:15 PM – 4:40 PM	<b>AI for Software Engineering</b> <i>Speaker: Dr. Sandeep Neema, Program Manager, DARPA / Information Innovation Office</i>
4:40 PM – 5:05 PM	<b>Tactical Autonomy Decision Frameworks</b> <i>Speaker: LTC Philip Root, Program Manager, DARPA / Tactical Technology Office</i>
5:30 PM – 7:00 PM	Networking Reception

# AGENDA

# THURSDAY, MARCH 7, 2019

**SIDEBARS: Will run concurrently throughout the day**

7:00 AM – 8:30 AM	Networking Breakfast
8:30 AM	<b>Welcome</b> <i>Speaker: Dr. Peter Highnam, Deputy Director, DARPA</i>
8:30 AM – 8:35 AM	<b>Executive Branch Perspective</b> <i>Speaker: Michael Kratsios, Deputy Assistant to the President for Technology Policy, Office of Science and Technology Policy</i>
8:35 AM – 9:00 AM	<b>A New Paradigm of Brain-Computer Interface</b> <i>Speaker: Dr. Kapil Katyal, Project Manager and Section Supervisor, Johns Hopkins University Applied Physics Laboratory</i> <i>Speaker: Dr. Brock Wester, Project Manager and Assistant Group Supervisor, Johns Hopkins University Applied Physics Laboratory</i>
9:00 AM – 9:25 AM	<b>Physics of Artificial Intelligence</b> <i>Speaker: Mr. Ted Senator, Program Manager, DARPA / Defense Sciences Office</i>
9:25 AM – 9:50 AM	<b>Software-defined Hardware</b> <i>Speaker: Mr. Wade Shen, Program Manager, DARPA / Information Innovation Office</i>
9:50 AM – 10:35 AM	Networking Break
10:35 AM – 11:00 AM	<b>Lifelong Learning Machines</b> <i>Speaker: Dr. Hava Siegelmann, Program Manager, DARPA / Information Innovation Office</i>
11:00 AM – 11:25 AM	<b>Synergistic Discovery and Design</b> <i>Speaker: Dr. Jennifer Roberts, Program Manager, DARPA / Information Innovation Office</i>
11:25 AM – 11:50 AM	<b>Assurance for Machine Learning</b> <i>Speaker: Dr. Sandeep Neema, Program Manager, DARPA / Information Innovation Office</i>
11:50 AM – 1:20 PM	Networking Lunch
1:20 PM – 1:45 PM	<b>Media Forensics</b> <i>Speaker: Dr. Matt Turek, Program Manager, DARPA / Information Innovation Office</i>
1:45 PM – 2:10 PM	<b>Radio Frequency Machine Learning Systems</b> <i>Speaker: Mr. Enrico Mattei, Senior Research Scientist, Expedition Technology</i>
2:10 PM – 2:35 PM	<b>DARPA Future R&amp;D in AI</b> <i>Speaker: Dr. Peter Highnam, Deputy Director, DARPA</i>
2:35 PM – 4:00 PM	Informal Networking