Tuesday, 12 February

0700-0830  Registration and Continental Breakfast  
Kossiakoff Center

0830-0845  Welcome and Introductions  
Dr. Yuna Wong, Chair, AI and Autonomy Meeting  
Ms. Sheilah Simberg, MORS President  
Dr. W. Forest Crain, Director, Center for Army Analysis  
Kossiakoff Auditorium

0845-0930  Plenary Speaker  
Ms. Mary J. Miller  
Principal Deputy to the Director of Defense Research and Engineering for Research and Technology, OUSD (RE)  
Kossiakoff Auditorium

0930-1020  Plenary Speaker  
BG Matthew Easley, USAR  
Director, Army AI Task Force  
Kossiakoff Auditorium

1020-1030  Break  
Kossiakoff Dining Area

1030-1045  Session 1: AI and Autonomy Frontiers  
Scene Setter and Session Objectives:  
Mr. Ashley Llorens, Chief, Intelligent Systems Center, JHU/APL

1045-1215  Session 1, Module 1: Perception and Cognition  
Module Moderator: Mr. Ashley Llorens, Chief, Intelligent Systems Center, JHU/APL  
o  AI’s Third Wave: Where We’ve Been and Where We’re Going  
Dr. John Everett, DARPA I2O  
o  Computer Vision: History, the Ride of Deep Networks and the Future Vistas  
Dr. Rene Vidal, JHU/APL  
o  A Cognitive Science Perspective: Limitations and Opportunities in Machine Perception  
Dr. Micah Clark, ARL/PSU

1215-1315  Lunch  
Kossiakoff Dining Area
Tuesday, 12 February

1315-1515  **Session 1, Module 2: Decision Making**  
Module Moderator: Dr. I-Jeng Wang, JHU/APL  
o Horizons in Goal Reasoning - Dr. Mak Roberts, NRL  
o Reinforcement Learning: An Applied Perspective - Dr. Corban Rivera, JHU/APL  
o Advancements in Cognitive Architectures - Dr. Dylan Schmorrow, SoarTech

1515-1530  **Break**  
*Kossiakoff Dining Area*

1530-1700  **Session 1, Module 3: Teaming & Trust**  
Module Moderator: Dr. Reed Young, JHU/APL  
o Experimental Verification of Autonomous Systems  
Ms. Victoria Edwards, NRL  
o Advances in Realizing, Testing and Operating Autonomous Systems  
Dr. Eddie White, JHU/APL  
o Trusted Human Agent Teams – Dr. Craig Lennon, ARL

1700-1830  **Social Mixer**  
*Kossiakoff Dining Area*

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Wednesday, 13 February

0700-0800  **Registration and Continental Breakfast**  
*Kossiakoff Center*

0800-0815  **Review of Day 1’s Key Points (per Synthesis) and “Scene Setting” for Sessions #2 and #3**  
Dr. Yuna Wong, Chair, AI and Autonomy Meeting and  
Ms. Renee Carlucci, CANA and MORS FS  
*Kossiakoff Auditorium*

0815-1000  **Session 2, Module 1: Industrial Uses of AI and Autonomy**  
Module Moderator: Mr. James Ryseff, Rand  
o Amazon  
o The Washington Post  
o Microsoft

1000-1015  **Break**  
*Kossiakoff Dining Area*

1015-1200  **Session 2, Module 2: Autonomous Vehicle Focused**  
Module Moderator: Ms. Karlyn Stanley, Rand  
o Dr. Ensar Becic, NTSB  
o Mr. Don Slavic, Product Liability Trial Lawyer  
o Dr. Phil Koopman, Carnegie Mellon University  
o Mr. Dan Murray, American Transportation Research Institute

1200-1205  **Creation of a MORS AI and Autonomy Working Group**  
Dr. Annette Evangelisti, LMCO

1205-1330  **Lunch**  
*Kossiakoff Dining Area*
Wednesday, 13 February

1330-1450  Session 3: Defense Uses of AI and Autonomy in Complex Environments
- Intro. and Overview - Dr. Brian M. Sadler, ARL
- Collaborative Autonomy - Professor Vijay Kumar, Dean of Engineering, University of Pennsylvania
- Subterranean Autonomy - Dr. Raj Agrawal, U.S. Army, ERDC
- Squad Autonomy - LTC Philip Root, USA, Program Manager, DARPA, TTO

1450-1520  Break
Kossiakoff Dining Area

1520-1610
- Autonomous Networking - Professor Alejandro Ribeiro, University of Pennsylvania, Electrical and Systems Engineering
- Planning - Professor Sebastian Scherer, The Robotics Institute, Carnegie Mellon University

1610-1700  Session 3, Panel: Army Challenges
Panel Moderator: Dr. Brian M. Sadler, ARL
- Professor Vijay Kumar, Dean of Engineering, University of Pennsylvania
- Dr. Raj Agrawal, U.S. Army, ERDC
- LTC Philip Root, USA, Program Manager, DARPA, TTO
- Professor Alejandro Ribeiro, University of Pennsylvania, Electrical and Systems Engineering
- Professor Sebastian Scherer, The Robotics Institute, Carnegie Mellon University

1700-1730  AI - The View from Singapore, Mr. Alex Lee, Singapore Ministry of Defence

Thursday, 14 February

0700-0800  Registration and Continental Breakfast
Kossiakoff Center

0800-0815  Review of Day 2’s Key Points (per Synthesis) and “Scene Setting” for Sessions #4 and #5
Dr. Yuna Wong, Chair, AI and Autonomy Meeting and
Ms. Renee Carlucci, CANA and MORS FS
Kossiakoff Auditorium

0815-1010  Session 4: International AI, Autonomy, and Analysis; Connecting Analysis, Autonomy, and AI Across the Globe
Session Moderators: Dr. Darryn Reid, Australian DoD and Dr. Brian Hanlon, Australian U.S. Embassy
- China AI Perspective - Ms. Elsa Kania, CNASTech
- Dr. Deborah Fish, Order of the British Empire, DSTL
- Russians Use of Military AI - Mr. Sam Bendett, CNA
- OR Challenges in Identifying the Right (R)evolution - LTC Haim Yona, IDF

1010-1030  Break
Kossiakoff Dining Area
Thursday, 14 February

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<tr>
<th>Time</th>
<th>Session 4 Continued</th>
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<tbody>
<tr>
<td>1030-1215</td>
<td>Session Moderators: Dr. Darryn Reid, Australian DoD and Dr. Brian Hanlon, Australian U.S. Embassy</td>
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<td>Mr. John Wilkinson, DSTL</td>
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<td>Modelling Complex Warfighting - Dr. Tim McKay, DST, Australia</td>
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<td>Panel (All Speakers)</td>
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<td>Closing Comments - Dr. Reid/Dr. Hanlon</td>
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<th>Time</th>
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<td>1215-1330</td>
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<th>Time</th>
<th>Session 5: Implications for the Analysis Community; “What Problems are They Likely to Encounter and Skill Sets Needed?”</th>
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<td>1330-1630</td>
<td>Session 5, Module 1: New Operational Analysis (OA) Techniques Enabled by AI and Autonomy</td>
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<td>Module Moderator: Mr. Ted Goranson, Griffith University</td>
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<td>Dr. Darryn Reid, Australian DoD</td>
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<td>Dr. Harry Johnson, Lockheed Martin Fellow, Corporate Mission Development &amp; Integration</td>
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<td>Dr. Don Sofge, Computer Scientist, Navy Center for Applied Research in Artificial Intelligence</td>
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<td>Dr. Saikou Diallo, Research Associate Professor, Virginia Modeling, Analysis and Simulation Center</td>
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<th>Time</th>
<th>Break</th>
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<td>1500-1530</td>
<td>Kossiakoff Dining Area</td>
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<tr>
<th>Time</th>
<th>Session 5, Module 2: Analytical Challenges Assessing Operational Impacts of AI and Autonomy</th>
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<tr>
<td>1530-1630</td>
<td>Module Moderator: Mr. Jaret “Troy” Shideler, LMCO</td>
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<td>AI Winters - Mr. Robert Richbourg, IDA</td>
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<td>Analyzing the Disruptive Potential of AI to the DoD - Dr. Ryan Zelnio, Chief Analyst, ONR</td>
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<td>Segmenting Autonomy to Support Analysis and Experimentation for Distributed Maritime Operations w/Unmanned Systems - Mr. Stanley Robertson, SPA</td>
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<tr>
<th>Time</th>
<th>Review of Day 3’s Key Points (per Synthesis), “Thank You” to Session Chairs + Co-Chairs, and “Hot Wash”</th>
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<tr>
<td>1630-1700</td>
<td>Dr. Yuna Wong, Chair, AI and Autonomy Meeting and Ms. Renee Carlucci, CANA</td>
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