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Carnegie Mellon Institute for Strategy and Technology  
**AI Bootcamp for USCG Intel Professionals:**  
**Implications for National Security**  
12-14 December 2023



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**AGENDA**

**Day 1: 12 Dec, 1200-1630 EST**

- 1200-1205 Admin and Introductions  
Dr. Rafael Lopez  
CMIST Deputy Director for Security Policy Studies  
Ms. Jess Regan  
Chief Marketing and Strategy Officer
- 1205-1215 Opening Remarks  
Dr. Audrey Kurth Cronin  
Director Carnegie Mellon Institute for Strategy and Technology
- 1215-1230 USCG Welcome Message  
RDML Rebecca Ore (USCG) (Pre-recorded)  
Assistant Commandant for Intelligence, CG-2

*Module 1. Defining AI as a Source of Advantage*

- 1230-1330 Responsible AI & Governance Panel Discussion  
Moderated by Commander Ken Sauerbrunn  
U.S. Coast Guard Fellow
- Panelists
- Dean Ramayya Krishnan  
Dean, Heinz College, CMU
- Dr. Rayid Ghani  
Co-Lead of the Responsible AI Initiative at CMU
- 1330-1430 Defining AI  
Mr. Shane Shaneman  
CMU Strategic Director of National Security and Defense
- 1430-1445 Break
- 1445-1515 How AI is Shaping the Intel Profession  
Dr. John Beierler  
Director of Science & Technology  
Office of the Director of National Intelligence

## **AI Bootcamp for USCG Intel Professionals**

- 1515-1530    Module 1 Recap and Surveys  
                 Introduction of Keynote  
                 Dr. Rafael Lopez and Ms. Jess Regan
- 1530-1630    Keynote Address: Strategic Implications of AI  
                 Hon. Robert O. Work  
                 Former Deputy Secretary of Defense

## **AI Bootcamp for USCG Intel Professionals**

### **Day 2: 13 Dec, 1200-1630**

1200-1215 Admin Comments and Introduction of Keynote  
Dr. Rafael Lopez and Ms. Jess Regan

1215-1300 Keynote Address:  
Lt. Gen. Jack Shanahan, USAF (RET)  
Founding Director of the Joint AI Center and Project Maven

#### *Module 2. National Security Implications of AI*

1300-1345 Operational implications of AI  
Dr. T.X. Hammes. Colonel, USMC (RET)  
Distinguished Research Fellow,  
Institute for National Strategic Studies, National Defense University

1345-1430 Human-Machine Teaming  
Dr. Jeff Schneider  
Research Professor  
CMU's Robotics Institute and Machine Learning Dept.

1430-1445 Break

1445-1530 Computer Vision  
Dr. Marios Savvides  
Bossa Nova Robotics Professor of Artificial Intelligence, Electrical,  
and Computer Engineering, Director, CyLab Biometrics Center

1530-1615 Generative AI: Transfer Learning  
Dr. Carolyn Rose  
Professor of Language Technologies and Human-Computer Interaction

1615-1630 Module 2 Recap and Surveys  
Dr. Rafael Lopez and Ms. Jess Regan

## AI Bootcamp for USCG Intel Professionals

### Day 3: 14 Dec, 1200-1645

1200-1215 Admin Comments and Introductions  
Dr. Rafael Lopez and Ms. Jess Regan

#### *Module 3. Technology and Competition*

1215-1300 Data: Building Blocks of AI  
Dr. David Steier  
Distinguished Service Professor  
Heinz College School of Information Systems and Management

1300-1400 Commercial Tech Highlights:  
  
Introduction by Dr. Josh Schwartz, CMIST Assistant Professor

- 1300 - 1330 Today's Autonomous Capabilities
  - o Dr. Sanjiv Singh, CEO Near Earth Autonomy
- 1330-1400 AI in Wargaming
  - o Dr. Tuomas Sandholm, CEO Strategy Robot

1400-1415 Break

1415-1500 Adversarial AI Tech Capabilities  
  
Introduction by Dr. Justin Canfil, CMIST Assistant Professor  
  
Hon. Patrick Cronin, D.Phil.  
Asia-Pacific Security Chair at Hudson Institute

1500-1530 Looking Forward  
Dr. Audrey Kurth Cronin

1530-1625 Looking Forward, A Panel Discussion  
moderated by Dr. Audrey Kurth Cronin

Panelists  
Lt. Gen. Jack Shanahan, USAF (RET)  
Founding Director of the Joint AI Center and Project Maven  
  
Dr. Bryan Pendleton  
Chief Data Officer, DHS Office of Intelligence and Analysis  
  
Dr. Theresa Mayer (Invited)  
CMU Vice President for Research

## **AI Bootcamp for USCG Intel Professionals**

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| 1625-1635 | Closing Comments<br>Mr. Jeff Radgowski<br>USCG Deputy Assistant Commandant for Intelligence |
| 1635-1645 | Closing Surveys<br>Ms. Jess Regan   |