

GEN Z and the OE

Join the U.S. Army's Mad Scientist Initiative on **28 February 2020** as we collaborate with The College of William and Mary in Virginia's Project on International Peace and Security (PIPS) Program to broaden our aperture on the Operational Environment (OE). Starting at **1330 EST**, we will livestream two moderated discussion panels where PIPS Research Fellows discuss the ramifications of their respective research topics on the OE and the changing character of warfare – join us at: www.tradoc.army.mil/watch.

The [PIPS Program](#), co-directed by Drs. Amy Oakes and Dennis Smith, is designed to bridge the gap between the academic and foreign policy communities in the area of undergraduate education. PIPS research fellows identify emerging international security issues and develop original policy recommendations to address those challenges.

1330-1340 Welcome and Opening Remarks: Thomas Greco, G-2, U.S. Army Training and Doctrine Command

1340-1425 Panel 1: Development and Security Implications of Cutting-Edge Technologies

Matthew Santaspirit, Panel Moderator and CCDC Armaments Center Intelligence Representative to TRADOC G-2

Clara Waterman, Class of 2020, Major: Government; Minor: Arabic

Research Thesis: *The DoD's current approaches to data collecting, cleaning, and sharing is impeding its ability to achieve its artificial intelligence goals.*

Caroline Duckworth, Class of 2021, Major: International Relations; Minor: Data Science

Research Thesis: *As biotechnology innovation accelerates globally, asymmetric ethical regulations between countries could put the United States at a disadvantage.*

Megan Hogan, Class of 2021, Majors: International Relations, Economics

Research Thesis: *The underlying cost-benefit analysis associated with the U.S. developing and maintaining Deepfake technologies as a capability to deter, deny, or defeat any adversary that seeks to harm U.S. national interests.*

1425-1440 Break

1440-1525 Panel 2: Geopolitical Strategy of Authoritarian Regimes and Near-Peer Competitors Utilizing Technology

Marie Murphy, Moderator, Class of 2020, Major: International Relations; Minor: Arabic, Proclaimed Mad Scientist and Academic Outreach Coordinator

Katherine Armstrong, Class of 2020, Majors: International Relations, Sociology

Research Thesis: *Regimes are increasingly reaching over their borders to track, hack, blackmail, and assassinate emigrants using a technologically based and facilitated repertoire. Authoritarian states are beginning to use these capabilities, developed for use against co-ethnics and co-nationals, to target extraterritorial actors who are more central to U.S. security.*

Lincoln Zaleski, Class of 2020, Major: International Relations; Minor: Arabic

Research Thesis: *Technology-enabled disinformation campaigns threaten liberal democratic society by targeting exploitable population-based vulnerabilities inherent to the democratic system.*

Michaela Flemming, Class of 2020, Majors: Government, Economics

Research Thesis: *China's strategic export of its surveillance state will improve Chinese intelligence, creating stronger but more dependent allies for China, while contributing to democratic backsliding worldwide.*

1525-1530 Concluding Remarks: Lee Grubbs, Director, Mad Scientist Initiative and ACE Chief, G-2, U.S. Army Training and Doctrine Command