



**Australian
National
University**

Battlefield Trust for Human-Machine Teaming: Evidence from the US Military



Discussing AI, Automated Systems, and the Future of War Seminar Series

Experts agree that future warfare will be characterised by countries' use of military technologies enhanced with AI. These AI-enhanced capabilities are thought to help countries maintain lethal overmatch of adversaries, especially when used in concert with humans. Yet it is unclear what shapes servicemembers' trust in human-machine teaming, wherein they partner with AI-enhanced military technologies to optimise battlefield performance.

In October 2023, Dr Lushenko administered a conjoint survey at the US Army and Naval War Colleges to assess how varying features of AI-enhanced military technologies shape servicemembers' trust in human-machine teaming. He finds that trust in AI-enhanced military technologies is shaped by a tightly calibrated set of considerations including technical specifications, namely their non-lethal purpose, heightened precision, and human oversight; perceived effectiveness in terms of civilian protection, force protection, and mission accomplishment; and international oversight. These results provide the first experimental evidence of military attitudes for manned-unmanned teams, which have research, policy, and modernisation implications.

Speaker

[Dr Paul Lushenko](#)
US Army War College

Chair

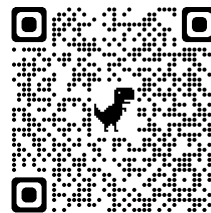
[Emily Hitchman](#)
ANU Strategic and
Defence Studies Centre

Details

Thursday 6 June 2024, 12-1pm

Mills Room, ANU Chancery, 10 East Rd, Acton

Register here



Project website



This seminar series is part of a two-year (2023-2025) research project on Anticipating the Future of War: AI, Automated Systems, and Resort-to-Force Decision Making, generously funded by the Australian Department of Defence and led by Professor Toni Erskine from the Coral Bell School of Asia Pacific Affairs.