

NAVAL POSTGRADUATE SCHOOL CLIMATE & SECURITY NETWORK SPEAKER SERIES

Analysis of Pathways to Reach Net Zero Naval Operations by 2050, Phase II

1 November 2023 / 12:00 – 1:00 PM PT / Virtual Via Zoom

Mr. Cayle Bradley and Mr. Jonathan Lussier

Description

The Phase I Analysis of Pathways to Reach Net Zero Naval Operations quantified Department of the Navy (DoN) operational systems emissions and identified potential pathways to meet the 2050 reduction targets directed in Executive Orders and DoD and DoN climate strategies. Phase II analysis further considers the DoN's unique challenges for integrating emissions reduction measures and climate science to quantify the impact of four specific pathways: alternative force structure, nuclear, platform carbon capture and storage, and sustainable fuels.

About the Speakers

Cayle Bradley is a Faculty Associate-Research with the NPS Energy Academic Group. His background includes five years on the OPNAV staff, seven years at NSWC Carderock Division, and eight years active enlisted. He holds a BS in Ocean Engineering from Florida Atlantic University and MS in systems Engineering from NPS. Cayle is also a Navy Reserve Engineering Duty Officer with ten years of commissioned reserve service.



Cayle Bradley

Jonathan Lussier is a Faculty Associate-Research in the NPS Systems Engineering Department. Previously, he worked as a manufacturing engineer in the space industry. His research interests include energy storage and generation, computer science, and the development of emergent technologies.



Jonathan Lussier

Via Zoom

No registration necessary. Join the event online at: <https://nps-edu.zoomgov.com/j/1602925702>
Passcode: #NetZero23 / Meeting ID: 160 292 5702

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