Naval Construction and Engineering
Ship Design and Technology Symposium

Thursday, April 27, 2023

MIT Samberg Conference Center, 50 Memorial Drive
Building E52-Seventh Floor, Dining Rooms I & T

0800 - 0850 Registration and Continental Breakfast

0850 - 0900 Welcome and Opening Remarks
- CAPT Jeremy Leghorn, Director Naval Construction and Engineering
- Prof Alex Techet, Area 5 Head

0900 – 0925 Student Design Project Brief
- Gray Zone Combatant: LT Kelsey Cathcart, LT Jack Cathcart

0925 – 0945 Student Conversion Project Brief
- DDG FLT IIA LASER Retrofit: LT Jon Daus, LT Thinh Hoang, LT Mikala Molina

0945 – 1010 Research Brief: Prof Steven Leeb
- Combat Power Monitor: LT Isabelle Patnode, LT Michael Bishop

1010 – 1030 Poster Session

1030 – 1050 Student Conversion Project Brief
- Cruise Ship to Affordable Housing: LT Avi Chatterjee, LT Jason Webb, LT Heather Willis

1050 – 1110 Student Conversion Project Brief
- T-ATF Conversion for Ocean Plastics Retrieval: LT Asia Allison, LT Matt Kruse, LT Katie Spaeth

1110 – 1135 Student Design Project Brief
- Next Generation Attack Submarine: LCDR Lucas Stone, LCDR Alex Wunderlich, LT Jarod Kramer

1135 – 1205 Break, lunch served

1205 - 1255 Lunch Buffet and Keynote Address:
Rear Admiral David Goggins: PM, AUKUS Integration and Acquisition Program Office

1255 – 1310 Break, transition

1310 – 1350 Research Brief: Prof Themis Sapsis
- LT Jarod Kramer: Inductive Transfer Learning to Quantify Extreme Event Statistics of Ship Motions using RNN

1350 – 1410 Poster Session

1410 – 1430 Student Conversion Project Brief
- LSD-41 to Diving and Salvage Conversion: LT Christopher “CJ” Sarao Jr., LCDR Christos Gkiokas

1430 – 1455 Student Design Project Brief
- Project Black-Foot: LT Jillian Uzoma, LT Eric Young, LT Camilo Duque

1455 – 1500 Wrap-Up and Concluding Remarks

1500 Mission Complete

Design Projects  Conversion Projects  Thesis Topics