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## Welcome! 12th Annual MOVES Research and Education Summit

Sullivan, Joseph A.

Monterey, California. Naval Postgraduate School

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# **Welcome!**

# **12<sup>th</sup> Annual MOVES**

# **Research and Education Summit**

**On behalf of MOVES Faculty, Staff and Students**

**CDR Joseph A. Sullivan, PhD USN**



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# **Research and Education Summit**

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# NPS Mission

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Provide high-quality, relevant and unique advanced education and research programs relevant to our national security.

- ... a vital component of CNO's strategy for informing and enabling transformation



# MOVES Mission

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To enhance the operational effectiveness of our joint and coalition forces by providing cost effective training and analysis products, education, and exemplary research in the field of modeling and simulation.

- Maintain and expand a leadership role to establish informed consumers and managers in the evolution of Modeling Simulation and Virtual Environments
- ... Graduates effectively leading and managing M&S programs.



# MOVES within NPS

## *A Systems Oriented Approach*

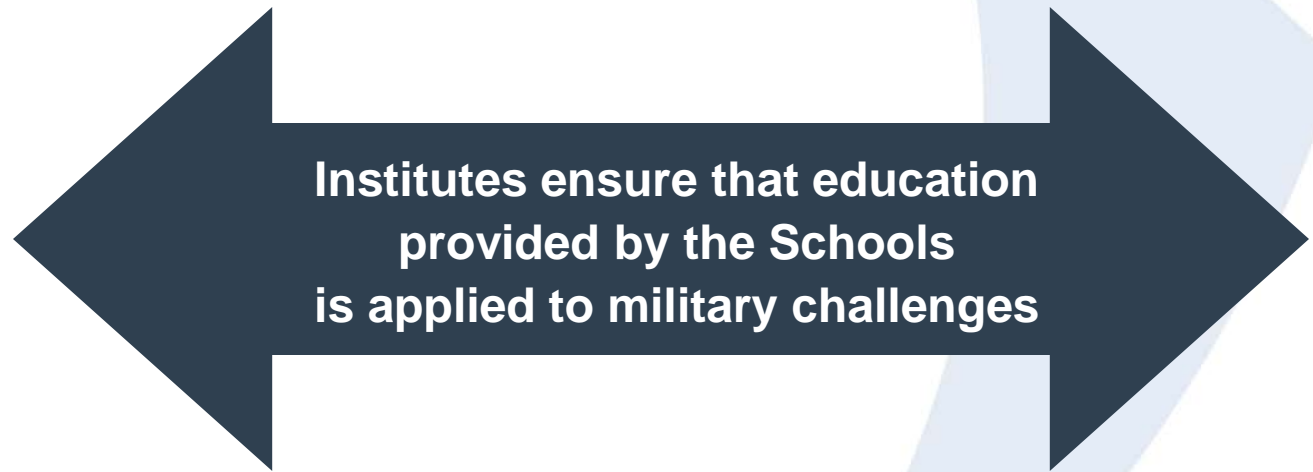
### 4 Institutes

**The Cebrowski Institute** for  
Information Innovation and  
Superiority

**The MOVES Institute**  
Modeling, Virtual  
Environments, and  
Simulation

**The Meyer Institute**  
National Security Systems  
and Technology

**National Security Institute**  
Partnership developed for  
National Security research  
and education



### 4 Schools

**Graduate School**  
of Engineering and  
Applied Science

**Graduate School**  
of Operational and  
Information Sciences

**Graduate School**  
of Business and  
Public Policy

**School of**  
International  
Graduate Studies



# MOVES Strengths and Focus

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- Ability to approach problems in unbiased, technology-neutral and non-parochial manner
- Blend of technical and tactical
- Open and collaborative environment
- Focus areas
  - Human systems and training
  - Human behavior simulation
  - Visual simulation and game-based tech
  - Augmented reality and computer vision
  - Simulation modeling for analysis



# M&S for Defense and Security

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- Transformation challenges
  - Evolving missions
  - Increased pace of evolution in technical and operational environments
  - Resource constraints
  - Demand for rapid, flexible reshaping of capabilities
  - Increases demand for insight in structure and planning; equipping; training and operating
- What does this mean for the M&S community?
  - Defined need for interoperable and DoD-focused tools for generating insight, improving collaboration and operational effectiveness
  - M&S has become an imperative based on demand





# Some Current MOVES Highlights

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- Education program updates
- Expanded operational domains
  - Healthcare
  - Cyber
  - Homeland Security
  - Naval Warfare Development Command
- Evolving visualization team capabilities



# Our Challenge

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- Continued and expanded leadership requires vision across:
  - Emerging application areas
  - Related academic disciplines
  - Technical and social/cultural advancements
  - Research challenges
- More flexible identification and response to education and research opportunities
- Expanding demand highlights need for strategy and partnering
  - Academic and research
  - Industry
  - Government
  - Policy
  - Technical and tactical



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# Questions?