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**Command Brief / Overview of the Naval
Postgraduate School, Fall Quarter Academic
Year 2008**

Monterey, California: Naval Postgraduate School

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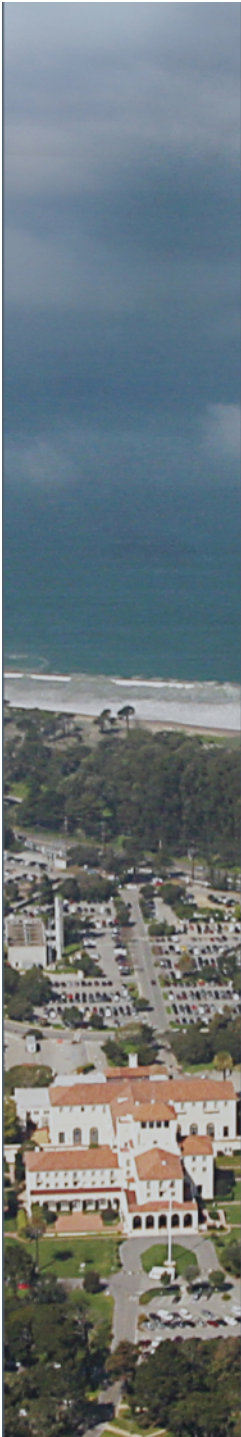


NAVAL
POSTGRADUATE
SCHOOL

Command Brief

Overview of the
Naval Postgraduate School
Fall Quarter AY 2008

Excellence Through Knowledge





NAVAL
POSTGRADUATE
SCHOOL





NPS provides top-quality, relevant and unique advanced education and research programs to increase combat effectiveness of the Naval Service, other Armed Forces of the US, and our Partners, to enhance our National Security.



- **Graduate University**
Responsive to joint, interagency, and coalition requirements
- **Research Institution**
Pursuing innovative technology and improving national security
- **Community of Alumni**
Leading and defending the Nation and transforming the Department of Defense (DoD)

History Highlights

- 1909** Founded at the U.S. Naval Academy
- 1951** Moved to Monterey
- 1951** Operations Research Department
- 1956** Systems Management Department
- 1972** National Security Affairs Department and War-Fighting curricula (e.g., Anti-Submarine Warfare)
- 1996** Information Warfare Curriculum
- 1999** Joint Professional Military Education (JPME) campus
- 2003** Homeland Security Curriculum
- 2004** Information Operations



- **Responds**
to emerging DoD needs
- **Fosters**
a multi-service, interagency, and
coalition learning environment
- **Prepares**
the joint intellectual leaders
for tomorrow' s forces



CAPT Jeff Kline, USN (Ret)
Senior Lecturer
Operations Research Department



- **Master' s Degrees** (and some Ph.D.s)
- **Accelerated**, defense-focused degree programs
- **Interdisciplinary**, relevant, agile
- **Biennial program reviews** by flag-level sponsors



NPS is Accredited by . . .

- **WASC** Western Association of Schools and Colleges
- **ABET** Accreditation Board for Engineering and Technology
- **AACSB** Association to Advance Collegiate Schools of Business
- **NASPAA** National Association of Schools of Public Affairs and Administration



Earned excellence.

The best business schools
in the world.



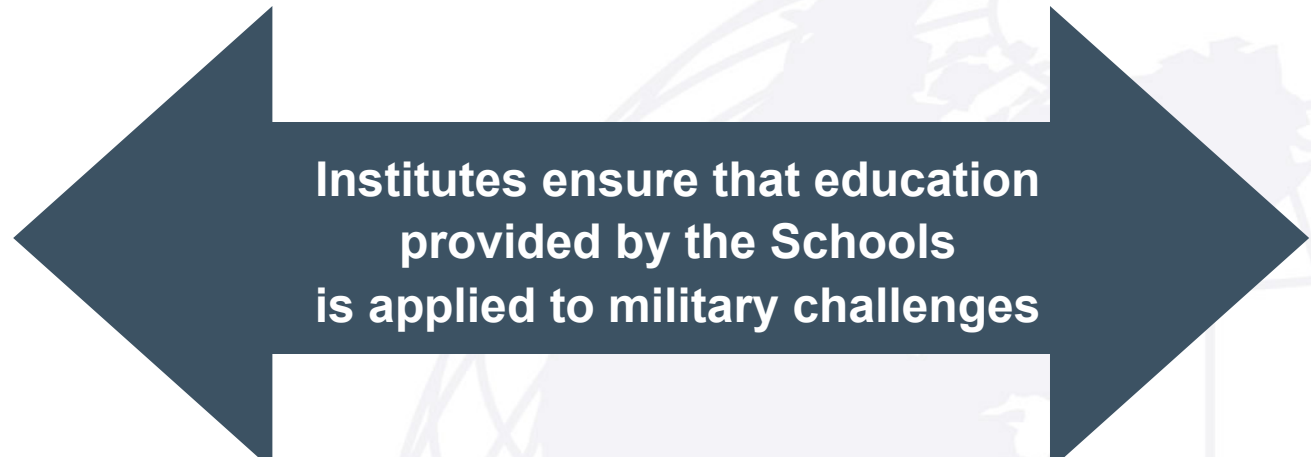
• ***Integrated*** • ***Systems-Oriented*** • ***Flexible*** • ***Partnered for Strength***

3 Institutes

The Cebrowski Institute for
Information Innovation and
Superiority

The MOVES Institute
Modeling, Virtual
Environments, and
Simulation

The Meyer Institute
A Joint Research and
Education Program in
National Security Systems
and Technology



**Institutes ensure that education
provided by the Schools
is applied to military challenges**

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





12 Curricula and 399 Degree Resident Students (Fall AY 2008)

- Combat Systems Science and Technology
- Electronic Systems Engineering
- Meteorology and Oceanography
- Meteorology
- Naval / Mechanical Engineering
- Oceanography
- Operational Oceanography
- Space Systems Engineering
- Space Systems Operations (with GSOIS)
- Space Systems Operations (International) (with GSOIS)
- Systems Engineering
- Undersea Warfare
- Undersea Warfare (International)



14 Curricula and 566 Degree Resident Students (Fall AY 2008)

- Computer Science
- Electronic Warfare
- Information Systems Operations
- Information Systems Technology
- Information Warfare
- Joint C4I Systems
- Modeling, Virtual Environments, and Simulation (MOVES)
- Operations Analysis
- Operational Logistics
- Software Engineering
- Space Systems Operations
- Special Operations



12 Curricula and 315 Degree Resident Students (Fall AY 2008)

- Acquisition Management
 - Acquisition and Contract Systems Acquisition
- Defense Resource Management
 - Defense Systems Analysis
 - Defense Systems Analysis (International)
 - Resource Planning and Management
- Financial Management
- Information Systems Management
- Logistics Management
 - Material Logistics Supply
 - Supply-Chain Management
 - Transportation
- Manpower Systems Analysis



12 Curricula and 376 Degree Resident Students (Fall AY 2008)

- Regional Studies

 - Middle East, South Asia and Africa

 - Europe and Eurasia

 - Far East, Pacific, Southeast Asia

 - Western Hemisphere (Latin America)

- Security Studies

 - Civil-Military Relations

 - Stabilization and Reconstruction Operations

 - Defense Decision Making and Planning

 - Counterterrorism Policy and Strategy

 - Homeland Defense and Security

 - Regional Intelligence



Master's Degree Program

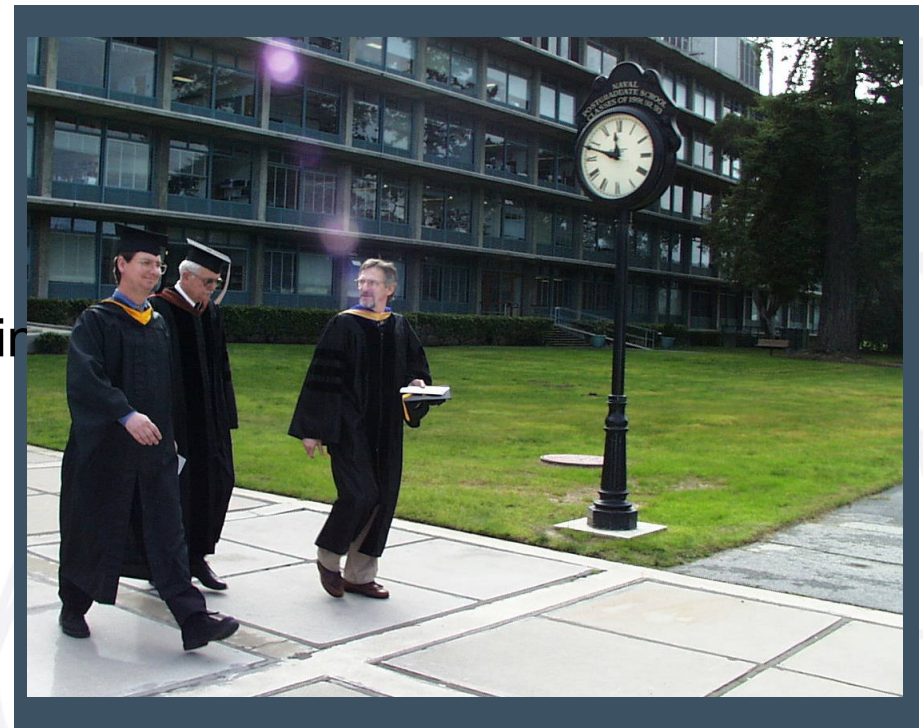
- Sponsored by the U.S. Department of Homeland Security
- Resident study and distance learning
- Executive education for tomorrow's leaders



**Professor Paul Stockton
Former Director of the CHDS**



- **Delivers**
education where needed by
 - distance learning
 - mobile education teams
 - faculty and student internships in the fleet
- **Provides**
educational opportunities for
 - potential participants
 - current enrollees
 - former students



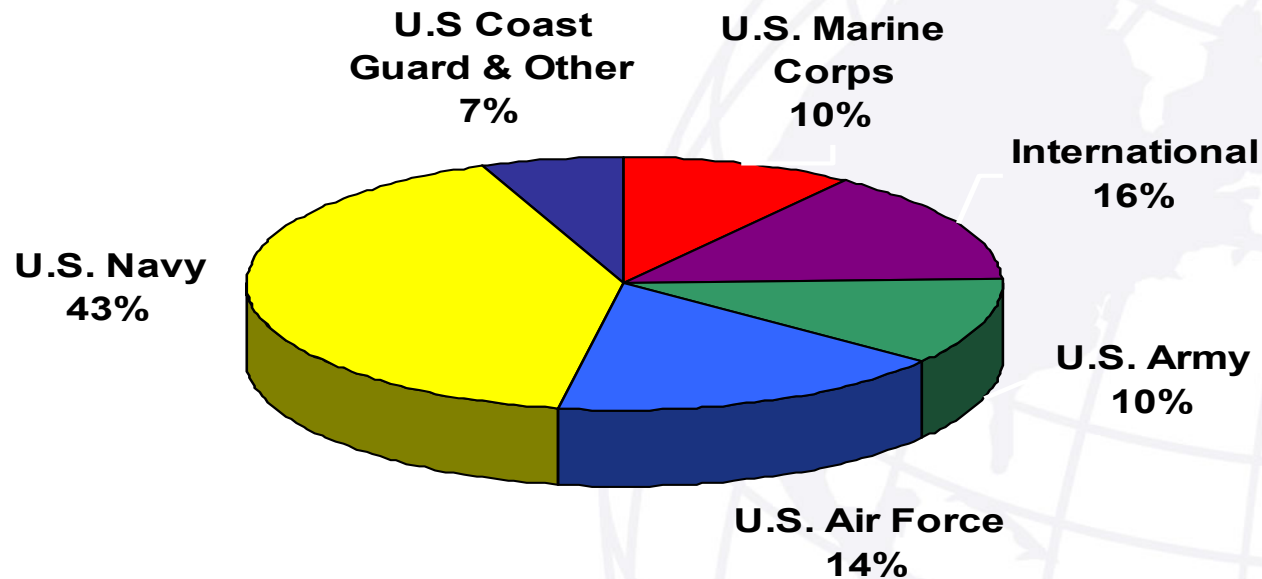


Resident Degree Program Enrollment (Fall AY 2008)

Total Resident: 1693

U.S. 84% - All Military Services and Other Government Agencies

International 16% - 257 Residents from 46 countries





International Degree Students Fall Quarter AY 2008

North America

Canada	4
Mexico	<u>4</u>
	8

Caribbean, Central & South America

Brazil	1
Colombia	1
Dominican Republic	1
Ecuador	1
Paraguay	<u>1</u>
	5

Africa

Algeria	1
Kenya	1
Malawi	1
Nigeria	3
Tunisia	<u>1</u>
	7

Europe

Albania	1
Azerbaijan	1
Bosnia	1
Bulgaria	1
France	1
Germany	14
Greece	46
Latvia	1
Moldova	1
Netherlands	1
Norway	4
Poland	4
Portugal	5
Romania	1
Spain	1
Sweden	2
Switzerland	1
Turkey	58
Ukraine	<u>1</u>
	145

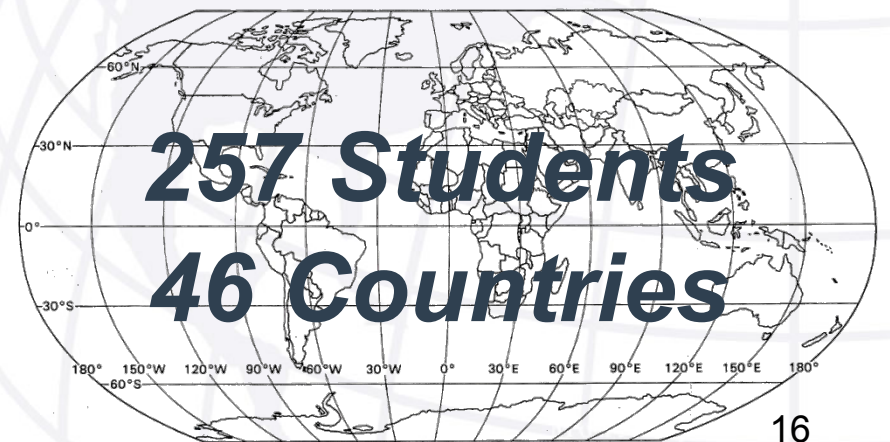
Central/East Asia & Middle East

Bahrain	4
Israel	1
Jordan	1
Lebanon	1
Pakistan	4
Saudi Arabia	<u>1</u>
	12

Far/Near East

Brunei	1
India	1
Japan	1
Korea	15
Philippines	3
Singapore	42
Taiwan	11
Thailand	<u>2</u>
	76

Australia 4



16



- Recruits from *top Ph.D. programs*
- Has *robust mix* of tenured faculty, lecturers, visiting professors, and others
- Includes *10% military personnel*, with strong academic credentials and recent operational expertise
- Integrates *teaching* with *research*
- Has *no teaching assistants*
- Develops *technologies* which are eligible for *patents*

Faculty Highlights

584 Faculty Members (Fall AY 2008)

227 with Tenure or Tenure-Track
99% with Doctorates

Sources of Graduate Degrees

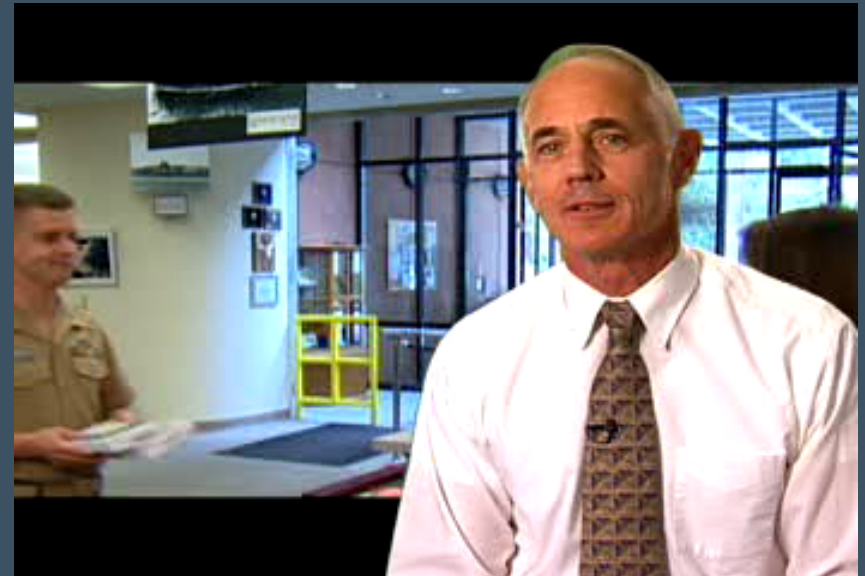
Stanford	18
UC Berkeley	16
UCLA	11
MIT	10
Harvard	6
Yale	5

Recent Patents

Vest Antenna
High-Intensity Light
and Sound Control Device
Turbulence-Resolving Acoustic
Sediment Flux Probe



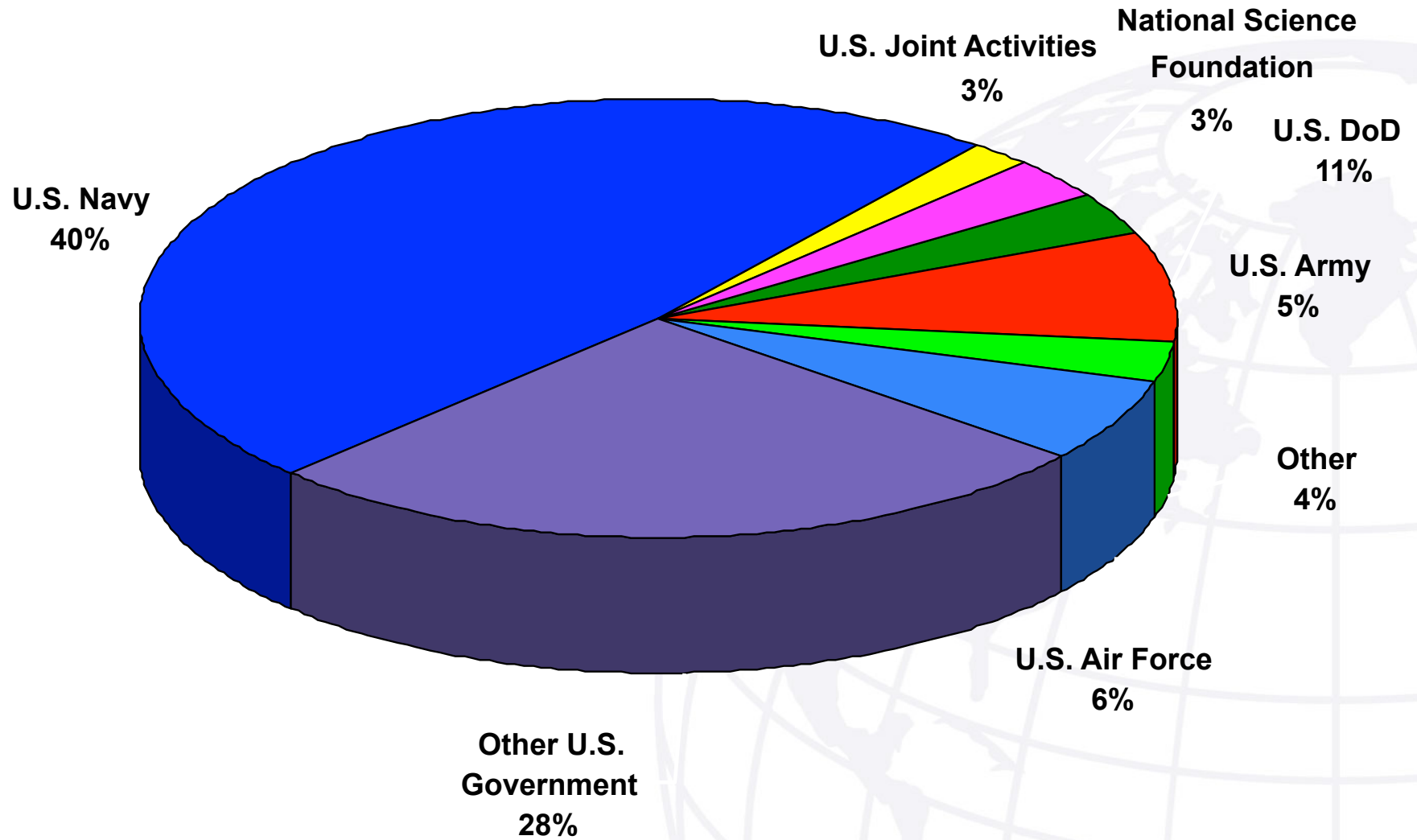
- Major source of *analytical capability* for the Navy and DoD
- Creative problem solving for *DoD-relevant topics*
- *Independent assessment* of proposed solutions to *national-security issues*
- Pre-deployment evaluation of *new technologies*
- *Classified* research facilities



Professor David Netzer
Former Dean of Research
and Associate Provost



NPS Reimbursable Funding \$81.3 million (FY 2006)





- Interdisciplinary projects
- New warship design
- Next-generation propulsion
- Networked sensor and weapons grids



Professor Chuck Calvano
Director of the Sea Archer Project



- Communication
- Intelligence
- Navigation



Petite Amateur Navy Satellite
(PANSAT)

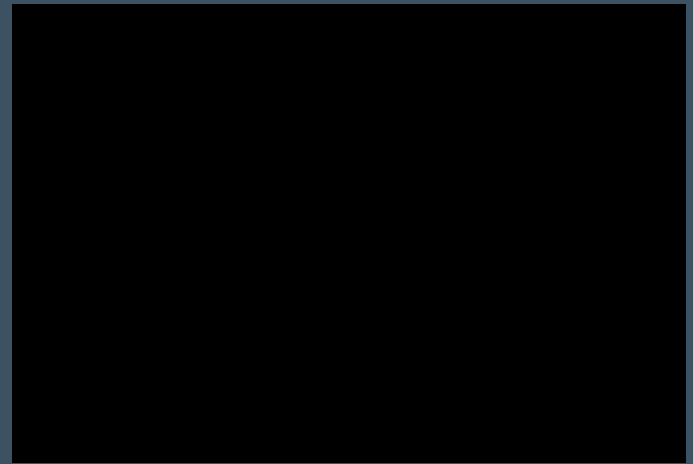


Autonomous Underwater Vehicles (AUV)

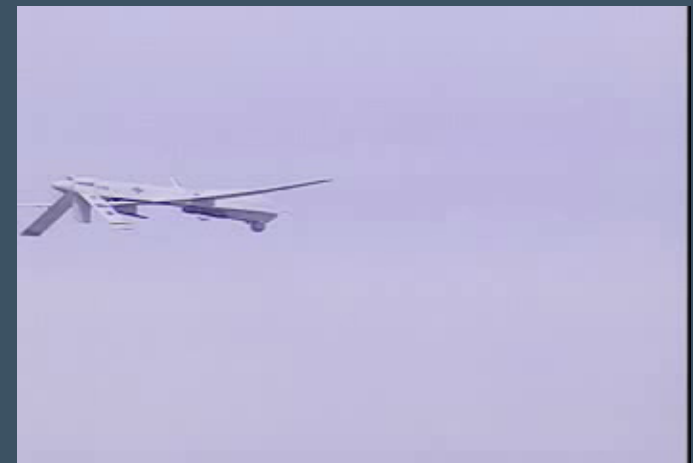
- Covert unmanned tactical recon
- Minefield mapping
- Robotic mine sweeping

Unmanned Aerial Vehicles (UAV)

- Airborne data link
- Synthetic aperture radar
- Electro-optical and Infrared sensor testing



Remote-Controlled Sonar (AUV)



PREDATOR (UAV)



Over 46,000 Graduates

- Representing all U.S. Military Services and many government agencies
- 4,606 international officers from 95 countries
- 33 Astronauts
- 25% of U.S. Navy active-duty Flag Officers

About 65,00 Non-Degree Participants annually

- Resident and Nonresident



ADM Mike Mullen
Chairman, Joint Chiefs
of Staff



GEN Michael Hagee
Former Commandant
U.S. Marine Corps



King Abdullah
of Jordan



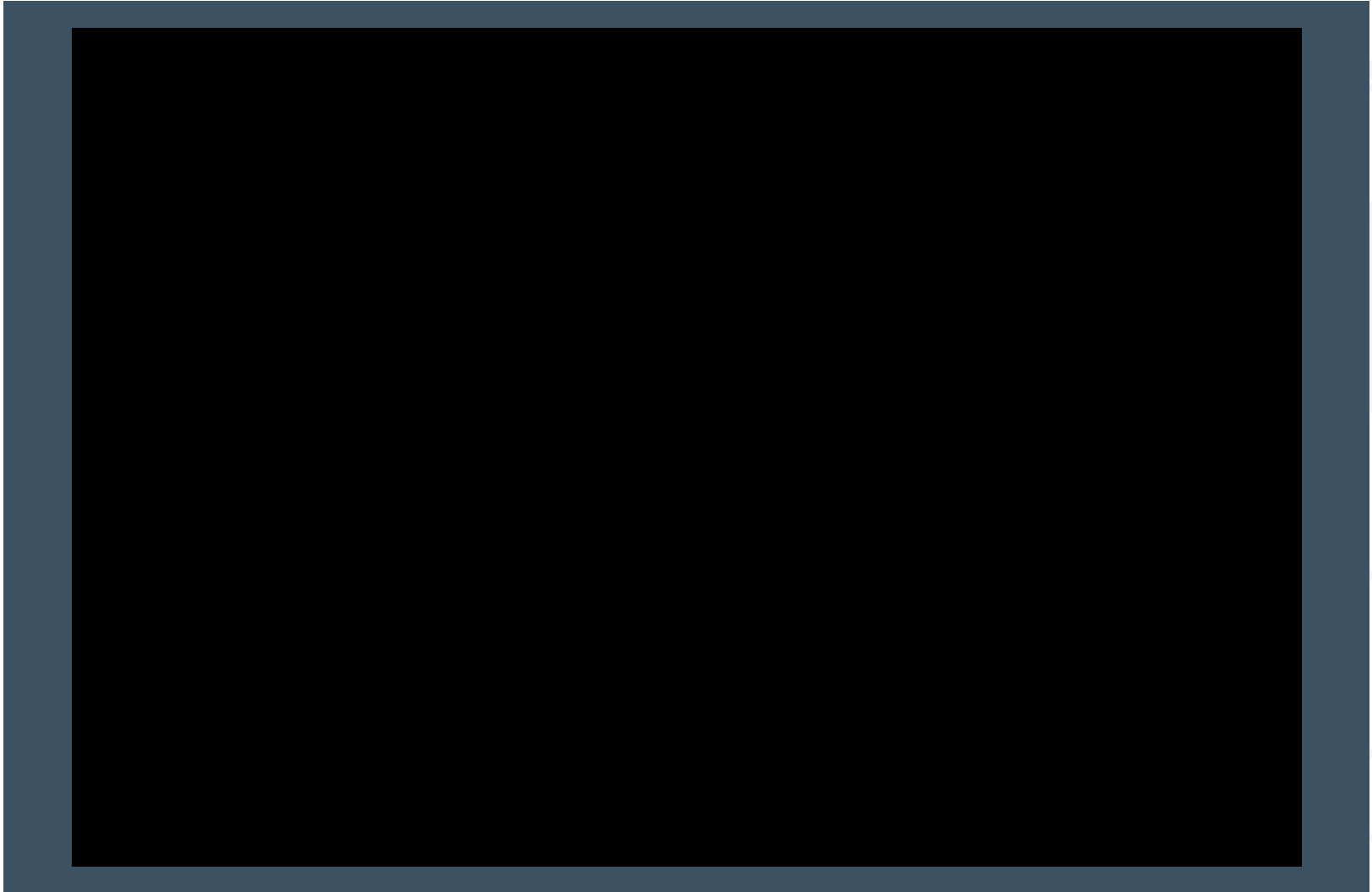
James G. Roche
Former Secretary
of the Air Force



A World-Class University

- Agile, unique programs focused on joint military applications
- Relevant research
- Executive, distance, and continuing education
- Coalition building

A Strategic Investment





NAVAL
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MISSION

NPS provides top-quality, relevant and unique advanced education and research programs to increase combat effectiveness of the Naval Service, other Armed Forces of the US, and our Partners, to enhance our National Security.

8/15/07

Excellence Through Knowledge