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Meyer Institute Publications

2019

**Meyer Institute: A joint research and
education program in national security
systems and technology**

Monterey, California. Naval Postgraduate School

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THE Naval Postgraduate School, The University of California at Santa Barbara, and Lawrence Livermore National Laboratory have formed an alliance for educating graduate students in national security, science, and technology.

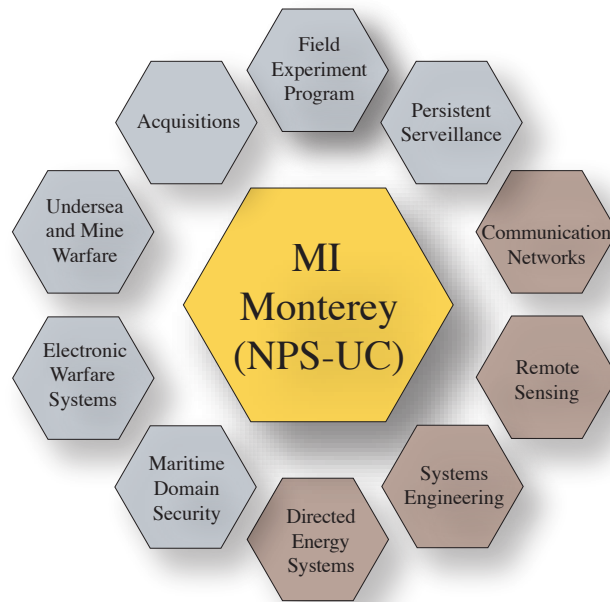
The alliance created the Meyer Institute for National Security Systems and Technology (MI), whose charter is to enlist academics, laboratory researchers, and private-sector scientists in preparing the next generation of national-security experts. MI's programs will allow graduates in selected fields to pursue purposeful research while engaged in master's, doctoral, or postdoctoral study.

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PROGRAMS



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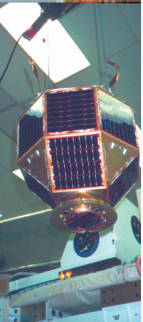
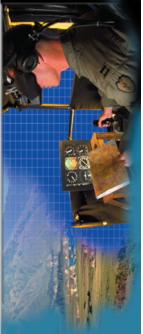
UCSB



LAWRENCE LIVERMORE NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA, SANTA BARBARA
NAVAL POSTGRADUATE SCHOOL, MONTEREY

THE MISSION:

COMBINE THE SCHOLARSHIP
AND EXPERTISE OF
TOP SCIENTIFIC INSTITUTIONS
IN SERVICE TO NATIONAL SECURITY.
ENGAGE TOP GRADUATE STUDENTS
IN VITAL DEFENSE AND
HOMELAND-SECURITY R&D,
FIELD EXPERIMENTATION,
AND INTERDISCIPLINARY
STUDENT PROJECTS



THE PARTNERS

Naval Postgraduate School (NPS)

focuses on defense and national-security technologies and graduate education, including a major program in homeland security.

University of California at Santa

Barbara (UCSB) houses eight national centers and institutes, with a top-twenty engineering school and substantial federal funding in critical research.

Lawrence Livermore National Lab

(LLNB) is one of the foremost applied science and engineering laboratories, LLNL's primary concern is ensuring the safety, security, and reliability of the nuclear arsenal and preventing rogue acquisition and deployment of weapons of mass destruction.

THE PLAN

1. Secure federal and industrial research grants
2. Facilitate intramural collaborative projects
3. Involve private corporations in university and laboratory R&D
4. Attract exceptional graduate and post-doctoral students to urgent problems in national security

THE CAMPUSES

Students will reside at the NPS campus in Monterey or at UCSB in Santa Barbara, and participate in research at LLNL in Livermore, California. Off-campus coursework will be available via distance learning and research trips.

STUDENT QUALIFICATIONS

MI students must be U.S. or allied military officers or American civilians with bachelor's or advanced degrees in pertinent fields who are qualified for federal employment and security clearance.

WIN/WIN

Benefits to students include guaranteed jobs and experience in building and funding multi-campus research programs. Benefits to the nation include citizen scientists trained in resourceful analysis and informed decision making, due to the resource-rich, cross-institutional, impartial, and interdisciplinary depth of their education.

INSTITUTE THRUSTS

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- Field Experimentation: Autonomous Vehicles and Sensors
- Electronic Systems
- High-Performance Computing
- Improvised Explosive Devices
- Maritime Domain Security
- Persistent Surveillance
- Regional Studies
- Remote Sensing
- Sensor Networks
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- Undersea Warfare
- Acquisition

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Electrical Engineering
Math
Materials Science
Mechanical Engineering
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LLNL

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