THE NATIONAL ACADEMIES

U.S. ARMY RDECOM

Postdoctoral Research Opportunities at the United States Army

NIGHT VISION AND ELECTRONIC SENSORS DIRECTORATE

With state-of-the-art laboratories located on the NVESD compound at Fort Belvoir, VA, NVESD offers unparalleled, hands-on educational and research opportunities:

- In-house S&T Component Development Labs
- Virtual Prototyping and Simulation Facility
- System Prototyping
- Fabrication and Integration Facilities
- Mine Lanes and Airfield

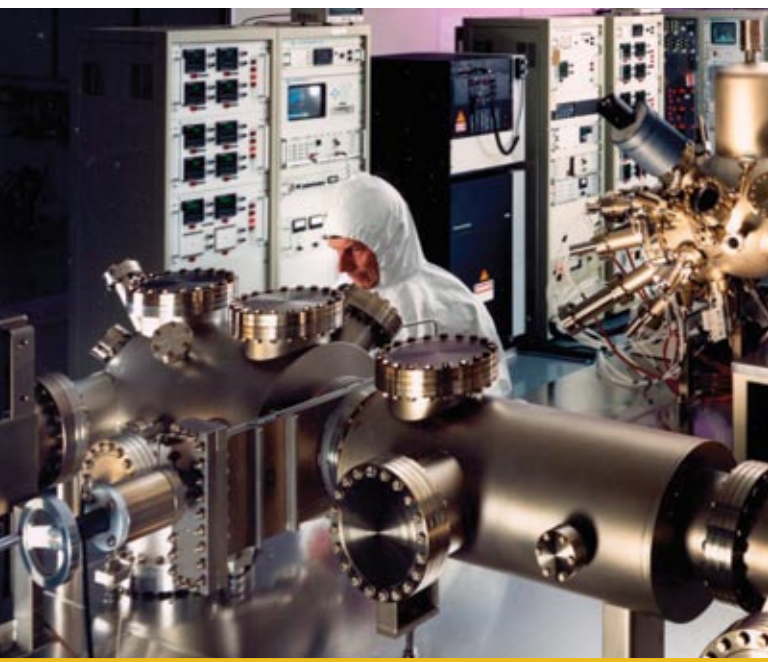
To learn more about the Night Vision and Electronic Sensors Directorate (NVESD), visit our Web site: www.nvl.army.mil.

For more information on NRC postdoctoral research opportunities at NVESD, visit the NRC Web site at www.national-academies.org/rap.

The U.S. Army CERDEC Night Vision and Electronic Sensors Directorate's (NVESD) mission is to conduct research and development in order to provide U.S. Warfighters with advanced sensor technology to dominate the 21st Century digital battlefield.

NATIONAL RESEARCH COUNCIL
OF THE NATIONAL ACADEMIES

NVESD, in conjunction with the NRC, finds promising scientists and engineers to exploit sensor and sensor suite technologies (unmanned aerial/ground vehicles, rotorcraft, fixed wing aircraft, individual soldier systems) for reconnaissance, surveillance and target acquisition (day and night) under adverse battlefield environments; deny the enemy the same capabilities through electro-optic means and/or camouflage, concealment, and deception; detect and neutralize mines, threat explosives, minefields and unexploded ordnance; provide for night driving and pilotage; and protect forward Warfighters, fixed installations and rear echelons from enemy intrusion.



In addition to conducting research and development of sensors and sensor technologies, NVESD also integrates prototype systems into weapon platforms and supports platform managers in the engineering development and production of advanced sophisticated electronic sensing devices. Research opportunities for NRC postdoctoral scientists are available in the following areas:

- Semiconductor thin films
- Solid-state sources and devices
- Electro-optics
- Perception
- Image Processing
- Countermine research and technology

NRC research opportunities at NVESD are open to U.S. citizens only.

HOW TO APPLY

- Find research opportunities at NVESD that match your interests by exploring the NRC Web site: www.national-academies.org/rap

- Contact prospective NVESD Research Adviser(s) to discuss your interests. Information can be found on the Web site.

- Apply online using the WebRap electronic application system.

- Applications for awards at NVESD must be submitted electronically by the following deadlines: February 1, May 1, August 1 and November 1.

- Submit supporting documents, including transcripts and letters of reference to:

  National Research Council
  Fellowship Programs Office
  Associateship Programs
  500 Fifth Street, NW, Keck 568
  Washington, DC 20001

  E-Mail: rap@nas.edu
  Internet: www.national-academies.org/rap