



Project Title

Support to Preparation, Delivery, and Outreach for National Counter - Terrorism Training Program

Project Reference Code: DNDO-NSTec-Van Etten

Hosting Site

National Security Technologies
Las Vegas, NV

Project Description

The U.S. Department of Energy's (DOE's) National Nuclear Security Administration (NNSA) Counter Terrorism Operations Support (CTOS) Program is a center for radiological/nuclear training located at the Nevada National Security Site (NNSS). Since 1998, CTOS has focused on training America's first responders to prevent and respond to terrorist uses of radiological or nuclear weapons of mass destruction. To date, CTOS has trained over 180,000 first responders. The CTOS mission is to develop and deliver the most realistic and highest quality training in support of Homeland Security using our extensive radiological expertise supported by the unique assets of the NNSS and subject matter experts (SMEs) from across the DOE complex and the first responder community.

CTOS provides training in various formats from hands-on, performance-based training to online and computer-based modules. Hands-on training sessions are conducted both at the NNSS and on location by Mobile Training Teams. This focused training prepares responders to take immediate, decisive action to prevent or respond to terrorist use of radiological/nuclear weapons of mass destruction (WMDs) such as improvised nuclear devices (INDs) and radiological dispersal devices (RDDs). CTOS training facilities on the NNSS offer exclusive learning opportunities with several unique exercise training sites including one at ground zero of four previous nuclear detonations as well as an industrial complex previously used for nuclear ram jet research and testing.

CTOS develops and conducts training courses for the Federal Emergency Management Agency (FEMA), National Preparedness Directorate (NPD), National Training and Education Division (NTED) within the U.S. Department of Homeland Security (DHS) and for the DHS Domestic Nuclear Detection Office (DNDO). Our continuing role is to provide expertise and training to the state and local emergency response community.

More information about the CTOS Program can be found at <http://www.ctosnnsa.org>.

CTOS is seeking motivated intern candidates to actively contribute to the CTOS mission to increase the readiness of the Nation for prevention of and response to a radiological/nuclear WMD attack. Dependent upon specific qualifications and background of the candidate, one of the following project topics will be assigned:

- Contribute to the design and specifications for a radiological/nuclear response mobile application for use by state, local, territorial, and tribal first responders.
- Provide SME support for the design of courses for prevention and response to a radiological/nuclear attack. Example courses include: next-generation radiological/nuclear specialization course for hazardous materials technicians, response to RDD and/or IND attacks, maritime radiological/nuclear response, and radiological dose assessment for state and local agencies.
- Writing of scientific publications and other material for distribution on the CTOS website, inclusion into training courses, and/or reviewed publications.

Disciplines

Health Physics

Emergency and Incident Management

Environmental Sciences

Mentor(s)

Don Van Etten, vanettdm@nv.doe.gov, 702-295-0314

Internship Coordinator

Eric Wagner, wagnerec@nv.doe.gov, 702-295-8828

The name and contact information of the hosting site internship coordinator is provided for further assistance with questions regarding the hosting site; local housing availability, cost, or roommates; local transportation; security clearance requirements; internship start and end dates; and other administrative issues specific to that research facility. If you contact the internship coordinator, identify yourself as an applicant to the DNDO Summer Internship Program.

Interns will not enter into an employee/employer relationship with the Hosting Site, ORAU/ORISE, DHS, DNDO or DOE. No commitment with regard to later employment is implied or should be inferred.