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Displaying 8 result(s)

1. 11.1-001: Development of commercial hand-held and backpack neutron detectors

Release Date: 06-13-2011Open Date: 06-15-2011Due Date: 07-18-2011Close Date: 07-18-2011

OBJECTIVE: Develop and commercialize neutron detector with matured technology to replace existing 3He-based thermal or fast neutron detectors for portable (hand-held and backpack) radioisotope identification devices, and active interrogation systems. DESCRIPTION: The Department of Homeland Security Domestic Nuclear Detection Office (DNDO) is developing new materials and technology for thermal and ...

SBIR Domestic Nuclear Detection Office

2. 11.1-002: Flexible Form Factor Radiation Monitor

Release Date: 06-13-2011Open Date: 06-15-2011Due Date: 07-18-2011Close Date: 07-18-2011

OBJECTIVE: Develop a radiation sensor to support search operations that has a variable or flexible form factor than current systems. The device(s) should be more sensitive, lower-cost, more be specific than current COTS approaches. DESCRIPTION: Certain scenarios involving the search or surveillance for nuclear or radiological materials of concern are best accomplished with a radiation monitoring d ...

SBIR Domestic Nuclear Detection Office

3. 1I.I-003: Growth & Characterization of New, Promising Advanced Scintillator Materials

Release Date: 06-13-2011Open Date: 06-15-2011Due Date: 07-18-2011Close Date: 07-18-2011

OBJECTIVE: Growth and characterization of single crystals of selected new scintillator materials which have been identified, through prior R&D program efforts, as being promising advanced materials with potential of high energy resolution, high efficiency, ease of growth of large size crystals, and low cost. Objective of this effort is to grow large enough crystals to enable characterization of en ...

SBIR Domestic Nuclear Detection Office

4. 9.01: Advanced Manufacturing

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

Advanced Manufacturing is “a family of activities that (a) depend on the use and coordination of information, automation, computation, software, sensing, and networking, and/or (b) make use of cutting edge materials and emerging capabilities enabled by the physical and biological sciences, for example nanotechnology, chemistry, and biology. This involves both new ways to manufacture existing pro ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

5. 9.02: Climate Change and Clean Energy

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

Implementation of renewable energy and climate change related policies around the globe will require access to accurate, internationally recognized measurements and standards. These will be critical for both policy-making purposes as well as evaluating the impact of mitigation efforts. Such capabilities will be equally important for assessing the impact of energy and climate change policies on t ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

6. 9.03: Cybersecurity

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

Recognizing that the national and economic security of the United States depends on the reliable functioning of critical infrastructure, the President issued Executive Order 13636, Improving Critical Infrastructure Cybersecurity, in February 2013. It directed NIST to work with stakeholders to develop a voluntary framework – based on existing standards, guidelines, and practices - for reducing cy ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

7. 9.04: Health Care and Bioscience

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

New medical diagnostic tests, improving the quality and cost-effectiveness of health care electronic records, reference materials for laboratory test methods, faster screening of promising vaccines, these are a few of the many areas where National Institute of Standards and Technology (NIST) research serves the needs of the bioscience and health care community. NIST collaborates extensively with o ...

SBIR National Institute of Standards and TechnologyDepartment of Commerce

8. 9.05: Technology Transfer

Release Date: 03-09-2015Open Date: 03-09-2015Due Date: 05-15-2015Close Date: 05-15-2015

This is the main research area, please review subtopics for a better description of available funding topics.

SBIR National Institute of Standards and TechnologyDepartment of Commerce

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