Closed Topic Search

Enter terms
Search

Reset Sort By: Open Date (descending)

- Relevancy (descending)
- Title (ascending)
- Open Date (ascending)
- Close Date (descending)
- Release Date (descending)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 1 - 10 of 177 results

1. AF132-001: Aircraft Mission Planning Equipment (MPE) Obsolescence

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Develop an innovative open systems architecture approach to address mission planning data transfer device (DTD) performance/storage obsolescence needs for aircraft. The solution should address life cycle requirements across all DOD aircraft systems. DESCRIPTION: The current aircraft Data Transfer Device (DTD) technologies (e.g. tape drives and tape cartridges) are rapidly becoming ...

SBIR Air Force

2. AF13-AT01: Multiphysics-based Sensor Fusion

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: To develop new multiphysics-based sensor fusion algorithms which map disparate sensor fields into a single common multiphysics-based representation. This model can then be used to produce higher quality sensor fusion data products. DESCRIPTION: The proliferation of sensor systems has created a large volume of multi-sensor data across a number of physical fields (e.g., optical, EO/I ...

STTR Air Force

3. AF13-AT02: Decision Making under Uncertainty for Dynamic Spectrum Access

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: Research, develop, and evaluate algorithms and technologies for Dynamic Spectrum Access (DSA) decision making under uncertainty. DESCRIPTION: Dynamic Spectrum Access (DSA) is emerging as one of the key technologies to enable the Department of Defense (DoD) to meet its increasing requirements for access to the electromagnetic spectrum [1]. DSA technologies seek to provide reliable, ...

STTR Air Force

4. AF13-AT03: Development of high power wavelength division multiplexers

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: To advance the power handling capability of Wavelength Division Multiplexers (WDM) in both PM and non-PM fiber. DESCRIPTION: Separate fibers into the core of a single fiber. The WDM works by first collimating the light from each fiber. The collimated beams, which are combined using a dichroic filter, are then focused into the output fiber. The WDM can also be run in reverse and ...

STTR Air Force

5. AF13-AT04: Nonequilibrium Plasma-Assisted Combustion-Efficiency Control in Vitiated Air

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: To investigate electrical control of selective energy deposition for significant modification of combustion kinetics through nonequilibrium thermochemistry and induced flow. DESCRIPTION: Combustion efficiency, reignition and flame holding are important issues for both very high-altitude and high-speed flights. High-altitude jet engine operation is limited by the overall combustion ...

STTR Air Force

6. AF13-AT05: Security in Cyber-Physical Networked Systems

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: Investigate challenging security issues in Cyber-Physical Networked Systems. DESCRIPTION: A cyber-physical system (CPS) is a system featuring a tight combination of, and coordination between, the system"s computational and physical elements. Today, a pre-cursor generation of cyber-physical systems can be found in areas as diverse as emerging and future combat systems, air-space-cyb ...

STTR Air Force

7. AF13-AT06: High specific power and cost effective solar array for spacecraft, lighter than air vehicles, and UAVs

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: Develop and demonstrate a 2 100 W radiation hardened solar array adaptable to nanosatellites exhibiting flexibility, variable topology, high specific power and low cost. DESCRIPTION: Satellite power systems designs are trending towards"the large as possible"types of satellites with power system mass allocations of approximately 200 kg down to nanosatellites with volume constraints ...

STTR Air Force

8. AF13-AT07: Compact Pulsed Power Source for High Repetition Rate Applications

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: To develop a high power, nanosecond power source that operates continuously at a high repetition rate for propulsion, directed energy, and energy production systems. DESCRIPTION: High peak power, nanosecond pulsed power sources are a enabling technology for a wide number of applications. Performance gains occur for a number of reasons depending on the application. Examples include: ...

STTR Air Force

9. AF13-AT08: Secure Efficient Cross-domain Protocols

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: Develop cross-domain protocols and design methodologies to enable distributed applications to operate securely when split between two security domains. DESCRIPTION: Coordination of activities between different security domains remains a thorny and yet crucial problem. Cross domain data flows impeded by time-consuming release procedures prevent fluid and effective operations. The si ...

STTR Air Force

10. AF13-AT09: Microvascular Composites for Novel Thermal Management Devices

Release Date: 01-25-2013Open Date: 02-25-2013Due Date: 03-27-2013Close Date: 03-27-2013

OBJECTIVE: To develop high-performance thermal management devices based on multifunctional design of microvascular composite materials and thereby to allow a precision control of the network passages tailored to specific cooling applications. DESCRIPTION: Compact, efficient heat exchangers enable improved operation of many thermal management devices such as Joule-Thomson (J-T) coolers. Most ...

STTR Air Force

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- …
- Next
- Last

jQuery(document).ready(function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search Keywords'); $('span.ext').hide(); })(jQuery); });