

Topics of Interest and Transportation Security Related Opportunities

The following topics may be of interest to the DHS ALERT Center of Excellence ADSA community:

1. TSA Industry Day - Innovating the Future Symposium
2. Sandia National Lab request for proposals for automated threat recognition algorithms (ATR) and graphical user interfaces (GUI) for their Open Threat Assessment Platform (OTAP)
3. TSA Transportation Security Innovative Concepts (TSIC) Broad Agency Announcement (BAA)
4. TSA Innovation for Aviation Security Broad Agency Announcement (BAA)
5. DHS S&T Long Range Broad Agency Announcement (LRBAA)
6. Initial thoughts on ADSA15

NOTE: Several of these have limited registration deadlines.

**** 1. TSA Industry Day - Innovating the Future Symposium ****

[Registration is now open.]

Event Details:

- Dates: June 7-9, 2016
- Place: TSA Security Integration Facility (TSIF) – Arlington, VA.
- URL: https://www.fbo.gov/spg/DHS/TSA/HQTSA/TSA_OSCIOF_2016/listing.html

Description:

This event will consist of presentations and interactive breakout sessions for a variety of topics, with time made available for questions. The Innovating the Future Symposium expands upon the following initiatives:

- TSA's System Architecture and follow-on technical discussions from Industry Day in February 2016.
- TSA's Passenger Screening Request for Information (RFI) to be released May 2016.
- TSA's Primary Carry-on Screening System Targeted Broad Agency Announcement (T-BAA) to be released Fiscal Year 2016 Quarter 2.
- TSA's Future Innovation Task Force T-BAA to be released Fiscal Year 2016 Quarter 3.
- TSA's update to the AIT Detection Standards.
- TSA's future update to the AT Detection Standards.
- TSA update on Cybersecurity

**** 2. Sandia National Lab Request for Proposals ****

[Registration is now open.]

Request for Proposals will be sent to registered requesters. For assistance in registering see below.

URL: https://supplierportal.sandia.gov:443/OA_HTML/sn/AbstractQuery.jsp

Opportunities: #659375 and #659371

The Open Threat Assessment Platform (OTAP) is a Sandia National Labs project aimed at developing and demonstrating an open architecture baggage screening prototype in support of TSA's Open System Architecture initiative. OTAP is being developed in partnership with several Transportation Security Equipment (TSE) manufacturers and will allow a broad market of third-party vendors to develop and easily implement detection algorithms, software, fused solutions and specialized hardware upgrades on field deployable TSE.

Sandia has a need for:

- (1) automated/assisted threat recognition (ATR) capabilities for integration and application upon OTAP-enabled baggage screening AT or CT X-ray systems
- (2) enhanced and more standardized graphical user interfaces (GUIs) or data visualization techniques that could augment either the security effectiveness of the detection capability, the efficiency of the scanning process, or other aspects of carry-on baggage scanning operations on OTAP-enabled AT or CT X-ray platforms.

Awardees will have access to Sandia's threat article and bag X-ray scan databases (upon approval from TSA) and the opportunity to develop and apply capabilities to an open hardware platform.

OTAP solutions will be demonstrated to TSA and will highlight awardee contributions. Awardees may also secure interest from TSE vendors for partnerships.

Please contact Andrew Cox at acox@sandia.gov or Amir Neeman at amir.neeman@gmail.com if you are interested in additional details.

**** 3. TSA Innovative Concepts Broad Agency Announcement (TSICBAA)**

[BAA is now accepting submissions.]

URL: <https://www.fbo.gov/spg/DHS/TSA/HQTS/HSTS04-14-R-BAA004/listing.html>

TSA is specifically interested in research that will provide for near term improvement of current security operations and capabilities.

**** 4. TSA Innovation for Aviation Security Broad Agency Announcement**

URL: <https://www.fbo.gov/spg/DHS/TSA/HQTS/HSTS04-16-R-BAA001/listing.html>

TSA is seeking individual solutions or processes that can address a component of the screening system or solutions that integrate multiple elements of the screening process (integrated systems).

These solutions make up the individual, critical components of the passenger and accessible property screening system, checked baggage screening systems, and of the "curb-to-gate" design. Solutions should be developed with the understanding that TSA is moving towards a "system of systems" approach in alignment with the future TSA Open System Architecture.

TSA is also interested in solutions that integrate individual components categorized in section A to achieve greater operational capability benefit than an individual solution. These solutions may include screening and non-screening capabilities, as well as potential adjustments in the checkpoint design, checked baggage screening and resolution and processes. These solutions are expected to improve efficiency and/or effectiveness by alleviating operational and security issues that may derive from the projected increase in traveling public or the evolving threat landscape.

**** 5. DHS S&T Long Range Broad Agency Announcement (LRBAA) ****

[BAA is now accepting submissions.]

The BAA can be accessed at:

<https://www.dhs.gov/science-and-technology/st-lrbaa>

**** 6. Tentative Topics for ADSA15 ****

Provisional title: Specification, Development and Deployment of Technologies and Processes for the Checkpoint

Tentative Time Frame: November, 2016.

Possible topics: protecting soft targets; track passengers and divested items; system architectures networking; concepts of operations; deterrence; adaptable ATRs; simulants; data mining; enhancing statistical significance of testing; human in the loop; civil rights; privacy concerns; other customers (sports venues, federal buildings, mass transit); prize competitions; handheld wands; texture in explosives; deployment models/issues; financial implications of fusion; and testing fusible systems.

Please contact Carl Crawford, Csuptwo, LLC (crawford.carl@csuptwo.com, 414-446-4566) if you have comments on any of above details for ADSA15 or have additional comments.