



U.S. Army Spc. Josh Brimm with the 307th Psychological Operations Company stands guard along a dirt road near Malajat, in Kandahar province, Afghanistan, on June 3, 2011.

Photo by U.S. Army

The purpose of this newsletter is to provide the small business community, Army, DoD and other government researchers and leadership additional insight into the Army SBIR program.

Army SBIR Vision

To be the Army's premier source of innovative technology solutions, providing direct access to America's high-tech small business research & development community, enabling our Soldiers deployed around the world.

Army SBIR Helpdesk

The Army SBIR Helpdesk provides answers to program questions and assistance to small businesses and Government participants. It is operated Monday through Friday from 8 am to 5 pm (except on Federal holidays). You may reach the help desk by email at army.sbir@us.army.mil or by calling (703) 399-2049.

SBIR Program Extended Until 31 Sept 2011

As the month of May came to an end, another continuing resolution was approved and implemented, extending the program through 30 September 2011. This new extension is a positive sign Congress is diligently reviewing strategies and ideas to continue the SBIR Program.

Commercialization Pilot Program (CPP) Transition

For the past four years, MILCOM has been a contractor assisting the Army PM SBIR office with management of the Commercialization Pilot Program, enabled by the 2006 National Defense Authorization Act. The Army is currently structuring a permanent SBIR commercialization program. This new program will incorporate best practices concerning CPP and it will also address emerging Congressional intent as defined by SBIR reauthorization language. However, this will be a transitional year for SBIR Phase II commercialization assistance.

During this transitional period, MILCOM will continue to assist Army PMO but they will only be providing support and assistance to prior CPP participants. Therefore, unlike prior years, there will not be a Commercialization & Transition Assessment form posted on the SBIR Portal for Phase II companies to complete in order to be considered for additional technology maturation and commercialization support. Phase II companies interested in securing additional support and funding for transition of their technology to Army used during this transitional period should follow the process established by PM SBIR for Phase II Enhancements. Companies interested in pursuing Phase II Enhancement consideration are encouraged to contact their Contracting Officer's Representative or their Technical Assistant Advocate, which can provide additional information and assistance.

2011 Army SBIR Achievement Awards

The 2011 Achievement Awards proved to be another successful event that showcased the extraordinary contributions that small businesses make to the U.S. Army. Hosted by Dr. Scott Fish, Chief Scientist of the Army, distinguished guests included Major General Nikolas Justice, Commanding General, Research, Development and Engineering Command and Dr. Frazier Glenn, Principal Assistant for Research and Technology, Medical Research and Materiel Command. Eleven companies were recognized for their outstanding achievements. Read about the award winners on the next page!



U.S. Army soldiers with the 214th Military Police Company provide medical supplies to the Tal Kayf clinic in Tal Kayf district, Mosul, Iraq, in support of Operation New Dawn on May 3, 2011.

2011 Army SBIR Award Winners

ChemImage Biothreat, LLC – ChemImage Biothreat was recognized for its project, “Real-time Chemometrics and Sensor Fusion Technology.” This project produced the first real-time, autonomous, standoff detection and discrimination system for explosive residues on vehicle surfaces, IED emplacements, and other in-theater threats.

Custom MMIC Design Services, Inc. – Custom MMIC Design Services won an award for their project, “High Efficiency, Low Power, Low Noise Amplifiers for SATCOM.” The Low Noise Amplifiers will have an impact on phased array antennas, significantly reducing cooling requirements at lower cost.

Digital Receiver Technology, Inc. - Digital Receiver Technology was recognized for its project, “Handheld Software Defined Radio Platform for Force Protection Operations.” The concept behind the project was to provide the warfighter with immediate access to signal exploitation, electronic attack, force protection and wireless networking functions that currently are performed on larger-scaled systems.

DMS Technology, Inc. – DMS Technology won an award for their project, “High-Speed Non-Intrusive Measurement Techniques for the Visualization of Droplet Clouds.” DMS Technology created a non-intrusive technique to visualize one droplet or group of droplets and make it possible to determine sizes and dimensions in a laboratory or test site environment.

Infinia Corporation - Infinia Corporation was awarded for their project, “Combined Heat and Power System.” This project offers tremendous potential for the Army through noise and fuel reduction, in addition to overall efficiency.

INTER Materials, LLC – INTER Materials was awarded for their winning project, “Low-Cost Manufacturing of Ballistic Helmets.” This project developed processing methodologies that have achieved structural requirements, improved ballistic protection by as much as 45%, and maintained efficient rates of production and cost.

International Mezzo Technologies, Inc. – International Mezzo Technologies won an award for their project, “Cooling Objectives and Operative Leverage Techniques.” The firm has successfully developed and demonstrated a micro channel heat exchanger that has significantly reduced weight and volume while increasing heat transfer and full efficiency.

Kutta Technologies, Inc. – Kutta Technologies, Inc. won an award for their project, “Dismounted Small Unmanned Air Vehicle Associate.” Kutta was acknowledged for its development of a unique ground control station interface as part of the Dismounted Associate Program for Unmanned Aerial Systems that is capable of being deployed using Commercial-Off-The-Shelf (COTS) PDA devices.

Physical Sciences, Inc. – Physical Sciences won an award for their winning project, “High Throughput Processing for Hyperspectral Imaging Sensors.” Physical Sciences developed a suite of innovative algorithms, coupled to a high speed signal processor, that enables the transition of its Adaptive Infrared Imaging Spectrometer hyperspectral standoff chemical agent detection technology to meet the need for remote detection of chemical agent vapors.

Primaira, LLC – Primaira was awarded for its project, “Ethylene Control in Fresh Fruits and Vegetables.” The benefits of the project include antimicrobial and anti-fungal properties and a capability to eliminate volatile aromatic compounds and undesirable aromas.

Triton Systems, Inc. – Triton Systems won an award for their project, “Long-Lasting Insecticide Impregnated Bed Nets.” Triton Systems produced an improved insect bed net with unique insecticide formulation that is highly innovative and extremely effective.

Read about these projects and other success stories in the newest Commercialization Brochure at: <https://www.armysbir.army.mil/Commercialization/PhaseIIIBrochures.aspx>

11.3 SOLICITATION

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| Solicitation Pre-Release | 28 July - 28 Aug 2011 |
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| Solicitation Opens | 29 Aug 2011 |
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OUTREACH EVENTS

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| 2011 SBIR Beyond Phase II Conference | Sep 12-15 Atlanta, GA |
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| 2011 Defense Manufacturing Conference | Nov 28- Dec 1 Anaheim, CA |
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Have a Success Story?

We are continually seeking new “success stories” from small businesses, much like the one you see featured in this newsletter. Successful small businesses and their technology are highlighted in our yearly Commercialization Brochure, website, and quarterly newsletter. If you are interested in submitting a story, please contact the SBIR Program Management Office at army.sbir@us.army.mil.