



Photo by Spc. Mike Buytas  
February 25, 2005

U.S. Special Forces Soldiers and Albanian troops patrol

The purpose of this newsletter is to provide the small business community and 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 is provided to assist small businesses and Government participants with questions and issues regarding the Army SBIR program. The Army SBIR help desk 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](mailto:army.sbir@us.army.mil) or by calling (703) 806-2085.

## SBIR Program Office

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## Message from the Army SBIR PM

Happy New Year. This is the first issue of the Army SBIR Quarterly Newsletter in 2009. Although I've only been here for a short period of time, I've been very impressed with the hard working individuals that participate in this program both on the government side and in the small business community. I extend my personal thanks to everyone for all your hard work in support of the Army SBIR Program. The Army SBIR PM office is fully committed to make Army SBIR a "world class" program, so stay tuned in 2009 for new initiatives and more transition opportunities, building on the success of the Commercialization Pilot Program ([www.armysbir.com/sbir/cpp\\_desc](http://www.armysbir.com/sbir/cpp_desc)) and Technical Assistance ([www.armysbir.com/sbir/taa\\_desc](http://www.armysbir.com/sbir/taa_desc)).

Any suggestions, requests, success stories or other contributions to the newsletter are welcome and may be sent to [virginia.thrasher@us.army.mil](mailto:virginia.thrasher@us.army.mil).

Sincerely,  
Christopher S. Rinaldi, P.E.

## Spotlight: Army Achievement Awards Program

We recently held our Achievement Awards Ceremony and it was a resounding success for all those who participated. It is the creativity of the small business community that helps meet Army Research and Development objectives and ensure the technological dominance of our Soldiers.

The Achievement Awards Program was established in 1994 as a means of recognizing small businesses that exemplify the Army SBIR Program goal of developing innovative technologies and products. Each year, a distinguished panel of Army experts selects the winning projects from nominations submitted from across the Army, based on: originality and innovation of research; relevance of the research to the Army mission; and immediate commercialization potential of the research.

The Army Achievement Awards Program has been and continues to be very competitive. This year, 755 projects were eligible to compete for an award. From those, 41 nominations were received and forwarded to the Selection Committee. The Committee selected 10 projects from across the Army, representing the best in small business research and development.

These projects were recognized at a formal ceremony, held at the Pentagon. Dr. Thomas Killion, Deputy Assistant Secretary of the Army for Research and Technology presented the awards to the SBIR companies as well as to their sponsoring Army organization's Technical Director, SBIR Coordinator, and contract Technical Monitor.

The Army SBIR Program Management Office ensures that noteworthy Phase II projects receive widespread recognition through the Achievement Award Winners brochure. These brochures are distributed at all conferences and other meetings at which the SBIR Program participates, providing visibility and potential marketing opportunities for the award winners within the Army and DoD communities, as well as in the private sector.

For more information on the Achievement Awards program, please visit:

<http://www.armysbir.com/commercialization/comm.htm>



Photo by Spc. Gul A. Alisan. A Soldier from Company A, 720th Military Police Battalion, 151st Field Artillery Regiment, reacts to small-arms fire, Baghdad.

**SOLICITATION DATES:**

**09.1**

Solicitation Opened Dec 8, 08

Solicitation Closes: Jan 14, 09

Phase I proposals due

**09.2**

Solicitation Opens May 18, 09

Solicitation Closes: June 17, 09  
 Phase I proposals due

**DATES TO REMEMBER**

Alabama STTR/SBIR Jan 26-28, 09  
 Small Business Conference

<http://aamuri.aamu.edu/>

2009 Delaware SBIR/ Mar 18, 09  
 STTR Conference

[www.delawaresbdc.org/](http://www.delawaresbdc.org/)

**SBIR Reauthorization Status**  
 The SBIR program authorization expired 1 October 2008; but PL 110-235 has extended all Small Business Programs (including the Army SBIR program) until 20 March 2009. At the end of the 110th Congress there were two working versions of the reauthorization (House and Senate) which varied on several aspects. Reauthorization will not be achieved until new House and Senate bills are reconciled and signed into law. We hope that this will happen very soon.

**Featured Army SBIR Achievement Award Winner**



**Universal Display Corporation**

[www.universaldisplay.com](http://www.universaldisplay.com)

Ewing, NJ



**US Army Research Laboratory**

**Flexible and Conformal Environmental Barrier Technology for Displays**

A low-cost, high performance thin-film oxygen and moisture permeation barrier remains a critical issue for the successful commercialization of flexible organic light emitting diode (OLED) displays. Most approaches today involve a multi-layer thin film design. Universal Display Corporation, together with Princeton University, has developed a radically different approach with a novel single layer transparent flexible permeation barrier using only non-toxic materials.



The non-toxic materials provide organic properties to afford a flexible and low stress barrier, as well as the permeation barrier. In addition its design is much simpler and more cost-efficient than previous complex multi-layer approaches. Environmental barrier technology on flexible substrates offers significant commercialization potential for novel display and other electronic devices.



Environmentally protected OLED displays, with Universal Display Corporation's world leading low power consumption phosphorescent (PHOLED™) technology, will enable lightweight, low power, novel form factor information systems to view full-color, streaming video for UAVs. This barrier technology can reduce the display costs by more than 15%, and will impact broad commercial applications for the gaming, TV, and computer industries.