

## NDLS

June brought to a close the BDLS/ADLS course contract with ODH. A total of 1,042 health care professionals and students were trained in BDLS and/or ADLS. The HELP Center will continue to offer BDLS and ADLS courses. For more information or to register for upcoming courses please go to [www.emhelpcenter.org](http://www.emhelpcenter.org) or call 937-775-1320.

## MEMS

The MEMS contract also came to a close in June. The contract was highlighted by the didactic and hands on training conducted for regional and state representatives on the MEMS supply cache and the Incident Command System associated with the deployment. The HELP Center received positive feedback as we hope to continue this training in the future.

### Upcoming Events:

**2<sup>nd</sup> Annual AFIT WSU CBRNE Symposium**  
**September 16 & 17, 2008**  
**NCR Country Club**

For more information or to register go to [www.emhelpcenter.org](http://www.emhelpcenter.org)

### Upcoming Courses:

Paramedic Refresher Courses:	
DATE	TIME & LOCATION
September 2, 2008	9:00 a.m. to 5:00 p.m. Lewisburg Fire Department
September 9, 2008	
September 16, 2008	
September 23, 2008	
September 30, 2008	
October 7, 2008	
Tactical Paramedic Refresher:	
October 20-24, 2008	8:00 a.m. to 5:00 p.m. daily with (1) additional night operation exercise. MACIE Training Center

BLS Recertification Courses:	
DATE	TIME
August 21, 2008	8:30 a.m. to 12:30 p.m.
September 18, 2008	
October 16, 2008	
November 20, 2008	
ACLS Recertification Course Offerings:	
DATE	TIME
August 22, 2008	8:30 a.m. to 4:30 p.m.
September 19, 2008	
October 17, 2008	
November 21, 2008	
ACLS Initial Course Offerings (2 day course):	
DATE	TIME
August 19-20, 2008	8:30 a.m. to 4:30 p.m.
October 14-15, 2008	

Courses are held at MACIE Training Center located at 1615 Springfield Street, Dayton, OH 45403. Contact **Leslie Mangas** at 937-775-1320 or [leslie.mangas@wright.edu](mailto:leslie.mangas@wright.edu) for additional information, course availability and fees.



# Coherent Strategy

NEWS FROM THE HELP CENTER

## IN THIS ISSUE

Surge Understanding Increases P.1

WSU Readies for USAF Marathon P.2

Calamityville Project Moves Ahead P.3

Upcoming Events and Courses P.4

VOLUME 2  
ISSUE 2  
SUMMER  
2008

WRIGHT STATE  
UNIVERSITY

BOONSHOFT  
SCHOOL OF  
MEDICINE

DEPARTMENT  
OF EMERGENCY  
MEDICINE

### Are You Mission Focused?

Communities across the United States are being impacted in ways they have not ever experienced. Soaring energy prices coupled with the changing economic picture all impact the way our municipalities function. During these challenging times, we need to stay clearly focused on maintaining our communities' resilience. The resilience of a community can be measured in a number of ways, but each ends in the same answer: a resilient community springs back despite the nature or type of external pressure applied. Either a natural disaster or economic stress, when applied to a resilient community may equate to a speedier and complete recovery.



The time has arrived for the entire preparedness and response world to "think out of the box" and embrace resilience. Community resilience is a critical component of economic survival. In order to achieve community resilience, a wide variety of players need to come to the table. This includes the public and private sector. The private sector needs to be viewed (and to consider viewing itself) as not just a collaborator or as a partner but as an equal player. What better experts exist in areas such as logistics and planning, as well as finance? Many in the private sector spend their every waking moments planning and paying particular attention to logistics. Would logisticians from the private sector have contributed to more success stories from notable recent disasters? Would thinking this way have contributed to a quicker "return to normal operations" in many cities, towns, and places of employment in impacted regions? And consider this, would private sector healthcare resources, managed differently mean an eased burden on our hospitals when dealing with critical topics like surge capacity and capability. Many might argue "YES."

Our programs are all adapting to take a more "mission focused" approach to resilience. We have developed and continue to grow a never ending list of interested partners as we move toward the reality of the Calamityville Tactical Laboratory. The "TL," as it is known promises to be a "site like no other – innovative, safe, concurrent with applications of advanced simulation." Our private sector partners will be right there, including our considerations of new energy forms, human performance, sensing, medicine, emergency management, logistics and supply chain management, and many others. Our staff is mission focused!

Mark E. Gebhart, M.D.  
Director

**The National Center  
for Medical Readiness**  
3139 Research  
Boulevard, Ste. 205  
Dayton, OH 45420  
937-775-1320 (office)  
937-775-1329 (fax)  
[www.emhelpcenter.org](http://www.emhelpcenter.org)



## WSU Directs Air Show 2008 Medical Operations

Another successful year has come and gone for the 2008 Dayton Air Show. This year, medical operations (formerly EMS operations) were transferred to Mike Porter, RN. Planning for an event with more than 75,000 spectators is a significant undertaking, and the years of mass gathering event experience of the Department of Emergency Medicine, its faculty, staff, and residents all contributed to the event. Nearly 200 people were treated along with 12 removals to Dayton area hospitals for treatment. WSU emergency medicine residents, under the direction of chief residents, Scott Vandehoef, MD and Ryan Mihata, MD, led a talented patient care team. The Air Show not only serves as a community service provided by WSU, it also includes a number of area hospital and EMS agencies.

## HELP Center Readies for USAF Marathon and 5K

With the passing of the Air Show, immediate planning has begun for the 2008 USAF Marathon and the WSU hosted 5K. These events, held in September draw thousands to the Dayton region, WPAFB, and the WSU campus. The HELP Center will participate in the marathon for the second year and has been given the responsibility for covering a first aid station. The HELP Center will provide event coverage for the entire WSU 5K. This year's medical director is Dr. Brian Springer who directs the department of EM sports medicine program. For more information contact Bill Harchick at [william.harchick@wright.edu](mailto:william.harchick@wright.edu).



## Surge Understanding Increases

Surge capacity has recently been identified by a number of sources as a substantial gap in our current healthcare system. Surge capacity can be augmented by a number of creative methods. Our current Dynamic Medical Systems (DMS) team is closely looking at a number of areas, some not often considered in mainstream healthcare systems.

Integration of principles of logistics and supply chain management is a critical aspect of surge preparations. Simply said, the ability to know what you have, where it is at, and when it is used is critical. Modern emergency management often lacks this piece of the complex logistics puzzle. Efforts are currently underway in this area using Radio Frequency Identification (RFID)

Technology. RFID is an automatic identification method, relying on storing and remotely retrieving data using devices called RFID tags or transponders. An RFID tag is an object that can be applied to or incorporated into a product for the purpose of identification using radio waves. Some tags can be read from several meters away and beyond the line of sight of the reader. Most RFID tags contain at least two parts. One is an integrated circuit for storing and processing information, modulating and demodulating a (RF) signal, and other specialized functions. The second is an antenna for receiving and transmitting the signal.

Chipless RFID allows for discrete identification of tags without an integrated circuit, thereby allowing tags to be

to be printed directly onto assets at a lower cost than traditional

Project design and testing also remains a key focus and evaluation and industry remains committed to product evaluation and testing.

Upcoming project areas will be looking at a number of special needs populations and will be linking technology with medical systems. For more information, contact Assistant Director of DMS Peter Savard, RN, BSN at [Peter.Savard@wright.edu](mailto:Peter.Savard@wright.edu).

## Calamityville Project Moves Ahead

The Calamityville™ Tactical Laboratory project is progressing at a fast pace. Recently, the project received \$3 million in the State of Ohio's capital budget process. This sets the stage for the first phase of construction on the project, which is currently in the final phases of the site acquisition process. Recently, Glenn Hamilton, MD, Mark Gebhart, MD, and William Germann, MD presented the project at CORONA 2008, a leadership gathering of high ranking military officers. Other noted government and industry leaders were also in attendance.

Civil military interface is a key component of the Calamityville™ project. An informational exchange was hosted for the Ohio Army and Air National Guard at the HELP Center's headquarters. Presentations were made detailing the CERF-P and CST programs under the National Guard's direction and leadership. The CERF-P, known as the chemical, biological, radiological/nuclear response force package is designed to provide immediate response capability to the Governor of a state, search of an incident site, including damaged buildings; rescuing of casualties, decontaminating, and performing medical triage and initial treatment to stabilize them for transport to a medical facility (this includes extracting anyone trapped in the rubble). The CERF-P is composed of four elements staffed by personnel from already established National Guard units. The elements are search and extraction, decontamination, medical, and command and control. The CERF-P command and control team directs the overall activities of the CERF-P and coordinates with the Joint Task Force – State and the Incident Commander. The CERF-P search and extraction element mission is assigned to an Army National Guard Chemical Battalion, and the medical element mission is assigned to an Air National Guard Medical Group. WSU has a specific interest in working with the medical component of these teams and is planning for future activities. Security duties are performed by the state National Guard Quick Response Force.

## HACE Update

Several great encounters have really launched the HACE concept.

The HELP Center met with Mr. Chris Rowley, President/CEO of VIASAR (Volunteer Imagery Analysts for Search and Rescue). This organization, with offices here in Dayton, OH, obtains remote imagery, captured from small aircraft, and utilizes software and human interventions to locate missing persons nationwide. Chris' passion for this effort is right in line with the HELP Center, and his activities with AFRL Sensors Directorate provides a great conduit of understanding and collaboration with the layered sensing capabilities and development of the AFRL, and provides unique perspective to the human access part of the equation. Visit [viasar.org](http://viasar.org) and see for yourself how valuable this growing relationship can be. The HELP Center hopes to support Chris' efforts to train local agencies in these search and rescue methodologies and technologies, as well as learn from each other how to continue to test and further best practices.

The HELP Center has engaged in a project

whose hub resides at the Tec^Edge facility. This "outside the fence" joint venture of the AFRL, academia, and commercial partners is focusing efforts on developing a technology called a "data table". This Google Earth-based visualization tool layers any and all available sensory data and graphically displays it on a horizontal screen (table) which allows command and control elements to obtain a common operating picture of the search area. The HELP Center will be working with Mr. Rowley and AFRL to further develop this tool as a marketable option for search and rescue.

The notion of the use of Unmanned Aerial Vehicles (UAVs) in the civilian domain is gathering interest and momentum. Several discussions are in play about the use of UAV platforms in search-oriented layered sensing, as well as Calamityville becoming the hub of testing for these applications.

These are just a few examples of the many activities that are growing the HACE initiative.

## The HELP Center Welcomes New Staff Members

### MICHAEL CORBETT

Michael comes to the HELP Center with 15 years in the finance and car dealership business. He will be overseeing technological operational issues at the MACIE Training Center.

### LESLIE MANGAS, EMT-P, EMSI

Leslie joins the HELP Center with over 15 years in the emergency medical services field as a paramedic and instructor. She is in charge of coordinating and instructing EMS and American Heart Association courses. She has since completed multiple AHA and EMS continuing education offerings.

### JULIA SMITH

Julia comes to the HELP Center after serving in the United States Air Force. She brings a wealth of experience and her talents extend into areas such as logistics and hospital contingency related fields. Julia will be our "first contact" with the community and she is well versed in our programs.