

NCEMSF 2010

The 17th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 26-28, 2010
Hyatt Regency
Baltimore, Maryland

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Conference Policies

The following exist to ensure a safe and enjoyable conference experience for all attendees:

- 1) Conference ID badges are required for entry to conference lectures and events and are to be worn by attendees at all times while on the conference premises.
- 2) Attendees are expected to conduct themselves as the young adult professionals that they are and to display the same degree of decency and respect toward other conference attendees, hotel guests, and staff that they would exhibit while responding to campus medical emergencies and interacting with patients.
- 3) Noise production is to be kept to a level appropriate to an indoor hotel environment and is to be respectful of the hour and considerate of the surroundings.
- 4) The consumption of alcohol by those younger than the federal legal minimum drinking age of 21 years as well as the use of drugs or other illegal substances by attendees of any age is strictly prohibited. Open containers containing alcohol are also forbidden in all conference common areas.
- 5) Common areas and private rooms of the host facility are to be left in the same fashion in which they were found upon arrival. Any damage to, or destruction of, property will be the financial responsibility of the offending individuals.
- 6) Participation in conference lectures and activities grants permission for the use of one's image in NCEMSF publications and promotional materials.
- 7) Conference speakers are experts in their given fields. The information they present and opinions they express, however, are not necessarily those of NCEMSF. Attendees are reminded to follow their prescribed operating procedures and to contact their agency's medical director before changing medical protocol.

The aforementioned apply in addition to stated policies of the host facility as well as local and federal laws.

Failure to comply with any of the above may result in eviction from the conference and/or hotel without a refund. Additionally, civil and/or criminal penalties may apply.

Your conference participation attests to your acceptance of the policies listed.

President's Welcome

It is my pleasure to welcome you to the National Collegiate EMS Foundation (NCEMSF) Conference. For seventeen years our conferences have focused on strengthening campus-based Emergency Medical Services. The educational experience gained from the workshops and sessions combined with networking opportunities will enable you to learn and exchange ideas. We hope that you return to your campus energized with new initiatives to implement and creative solutions to problems that you may encounter in the future. I look forward to meeting you at the conference.

NCEMSF Mission Statement

The National Collegiate Emergency Medical Services Foundation's (NCEMSF) purpose is to support, promote, and advocate Emergency Medical Services (EMS) on college and university campuses. The Foundation is committed to the advancement of existing response groups and assisting in the development of new response groups. The Foundation provides a forum for the exchange of ideas of campus-based emergency response issues. To these ends, the Foundation is committed to scholarship, research and consultancy activities and to creating a safer environment on college and university campuses.

NCEMSF History

In the early 1990s, with the widespread use of computers linked via the precursor to the Internet, e-mail communication among campus emergency responders was commonplace. For readers of the emergency services Usenet group (misc.emerg-services) and its related e-mail list (EMERG-L), there was occasionally a thread about campus-related EMS. But frequently, discussions on the topic of campus EMS were shunned as inappropriate or obscure. As a result, the campus EMS groups that existed were isolated since there was no good forum where they could openly communicate with each other.

In 1993, in response to a need for information exchange among campus EMS groups, the National Collegiate EMS Foundation (NCEMSF) was established. A loosely associated nationwide group of campus responders was formally brought together by Jon Diorio of Georgetown University (Washington, DC) and others.

Filling a niche, NCEMSF quickly grew. In April 1994 NCEMSF held its first conference at Georgetown University. Representatives from over twenty campus EMS organizations spent the weekend of April 8-10 learning about EMS, meeting each other, and having a great time. Annual conferences every year since 1994 have been a cornerstone of NCEMSF. Providing networking and information exchange among campus emergency responders remains one of the Foundation's main goals.

NCEMSF's Volunteer Leadership - See Bios on Page 38

NCEMSF Executive Officers

President	George J. Koenig, Jr., DO
Vice-President	Scott C. Savett, PhD
Secretary	Joshua A. Marks, MD
Treasurer	Michael S. Wiederhold, MD, MPH
Director-at-Large	Mark E. Milliron, MS, MPA
Director-at-Large	Eric MaryEa, NREMT-P

Division Chairs / Coordinators

Membership	Karolina A. Schabses, MPH
Nat'l Coordinator	Michael T. Hilton, MD
Startup	Andrew S. Mener
Alumni	Daren T. Spinelle
EMS Week	Timothy J. McMichael, NREMT-P
Resource	Robert Fabich, RN
Mentorship Program	Regina Arnold, MS, NREMT-P
Disaster Preparedness	Shad U. Ahmed

Hotel Liaison	Jennifer Siegel
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Regional Coordinators

Canada	Jeffrey J. Bilyk
Central	Amy Berenbaum
Massachusetts	Kathryn Kinzel
Mid-Atlantic	David Weand
Midwest	Joseph Grover
New York	Eric Pohl
North Central	(AVAILABLE)
Northeast	Yoni Litwok
N. New England	Stephen Lanieri
Pennsylvania	Les Polk
Southeast	Noah H. Prince
West	Amanda Wong

About B'More - Home of the 2010 NCEMSF Conference - Enjoy Your Stay!



Captain John Smith explored the Chesapeake Bay in 1608. Twenty four years later, King Charles I of England granted a charter for Maryland to Cecil Calvert, also known as Lord Baltimore. Maryland was named in honor of Henrietta Maria, queen consort of Charles I. The boundary between Maryland and Pennsylvania in the north was not surveyed until the 1760s when Charles Mason and Jeremiah Dixon established the line. Maryland ceded land to form the District of Columbia in 1791.

A legislative act was passed in 1729 to create the city of Baltimore. In the 1760s, the population began expanding rapidly, and the American Revolution spurred even more economic and physical growth that ultimately made Baltimore a leading supply center. Baltimore sits right on the Chesapeake Bay, which produces more seafood than any other body of water of comparable size. Today, Baltimore's port ranks second in the nation for most foreign tonnage.



Any tour of Baltimore starts with the Inner Harbor, Baltimore's showpiece revamped in the late 1970's. Harborplace, a three-acre retail, dining, and entertainment complex, anchors the Inner Harbor. Other attractions include the National Aquarium, Maryland Science Center, World Trade Center, Power Plant Live! (Baltimore's premier dining and entertainment experience featuring restaurant row, pubs, comedy and night clubs), and the Tall Ships. Across the water you might be able to see Fort McHenry.

Baltimore Fast Facts

Population: 777,184 (4th largest city on the East Coast)

Elevation: 33 ft

Area: 81 sq mi

Nicknames: "Monument City," "Charm City," "B'more"

If you would like to learn more about the history of Maryland and Baltimore, visit the Baltimore City Government's website at www.baltimorecity.gov/faq/history.html.



Thank You to Volunteers from the Hopkins Emergency Response Organization!

The Hopkins Emergency Response Organization (HERO) provides emergency medical services to the 5000 students, faculty, and staff of the Johns Hopkins University, as well as to community members in the areas surrounding the Homewood Campus. HERO is comprised of the Hopkins Emergency Response Unit (HERU), which responds to medical emergencies, and the Hopkins Emergency Response Teaching Unit (HERTU), which teaches classes in CPR for the Professional Rescuer and Emergency Response. HERU operates under the Maryland EMT-Basic level of care, and is on duty 24 hours a day, 7 days a week during the normal academic calendar. Operational oversight for HERU is provided by Johns Hopkins Security, and medical oversight is provided by the Johns Hopkins Student Health and Wellness Center. Please visit HERO's website at <http://heru.jhu.edu> for more information.

Celebrating the NCEMSF Conference Tradition ***NCEMSF Conference Locations***

1994 - Washington, DC
1995 - Philadelphia, PA
1996 - Albany, NY
1997 - Huntington, WV
1998 - Hartford, CT
1999 - Syracuse, NY
2000 - Newark, DE
2001 - Rochester, NY
2002 - Long Island, NY

2003 - Washington, DC
2004 - Baltimore, MD
2005 - Philadelphia, PA
2006 - Boston, MA
2007 - Baltimore, MD
2008 - Philadelphia, PA
2009 - Washington, DC
2010 - Baltimore, MD
2011 - RFP @ www.ncemsf.org/conf2011

Conference Schedule - Friday, February 26, 2010

4:00 pm - 11:00 pm *Conference Check-in*

Atrium

After checking into the hotel, stop by the conference registration table to check-in. All attendees must check-in individually, regardless of how they registered (Photo ID is required). Upon check-in, attendees will receive a name badge that must be worn throughout the weekend as admittance to conference lectures and activities as well as CME tracking require it. Campus EMS leaders (limit two per organization) and alumni should identify themselves to receive the appropriate ribbon for their badge.

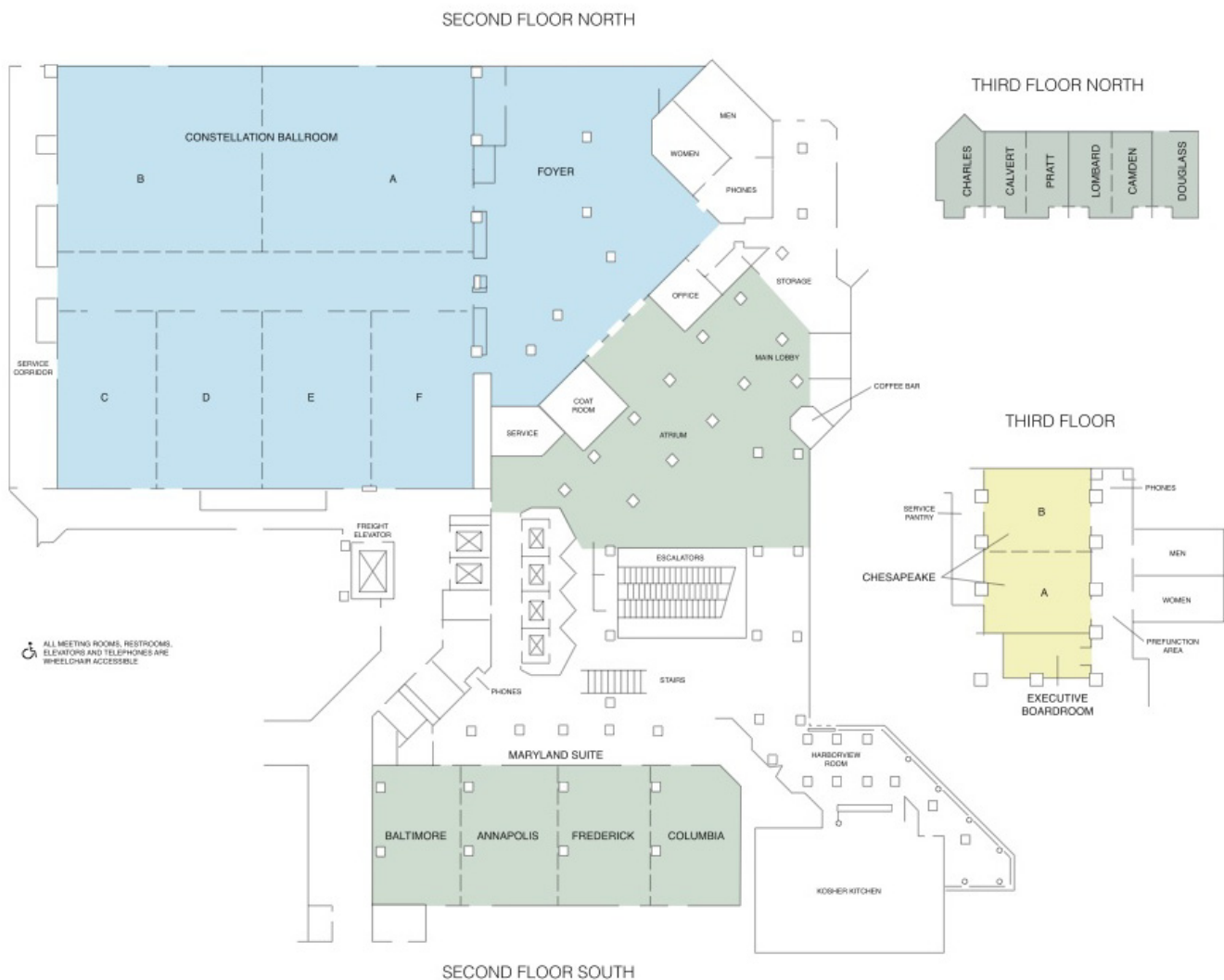
Once you have checked-in, we recommend grabbing a quick bite to eat before formal programming and lectures begin. Welcome!

6:00 pm - 1:00 am *Physio-Control EMS Skills Competition*

Maryland Suite

Teams, whether pre-registered or not, should check-in and pay at the skills competition table in the atrium to receive their team number and approximate start time - team numbers and start times are assigned based upon check-in time. Team numbers will be called when the skills judges are ready for the next group. Trophies will be presented to the winners of this always fun filled event Saturday evening. Ask at the skills competition table for more information including complete competition rules.

Hyatt Regency Baltimore Floor Plan



Conference Schedule - Friday, February 26, 2010

6:00 pm - 7:00 pm

How to Make the Most of the NCEMSF Conference Experience

Constellation F

Andrew S. Mener, NCEMSF Startup Coordinator

What makes the NCEMSF Conference different from other conferences? While other conferences teach basic EMS skills, NCEMSF provides participants with key tools for leading a successful collegiate EMS organization. Created at the suggestion of past conference participants, this lecture is designed to help you make the most of your weekend here. The lecture will explore the purpose of collegiate EMS, provide a brief overview of the conference and help tailor the events to your specific needs.

Please visit our sponsors and exhibitors - they will be onsite and available to speak with you and demonstrate their products much of the day Saturday.

Conference Sponsors

Physio Control, Inc.

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Redmond, WA 98073-9706 USA

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Sudden Cardiac Arrest Association

1133 Connecticut Avenue, NW

Washington, DC 20036

(866) 972.SCAA (7222)

www.suddencardiacarrest.org

Membership is free...please complete the application in your conference materials and join today!



Vendor Partners

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www.allmed.net

NCEMSF institutional members receive reduced prices on catalog items (10% off most items) and may purchase from Alliance Medical's Value Added Program (VAP).



EMS Magazine

PO Box 7248

Mission Hills, CA 91346-7248

(800) 547.7377

www.emsresponder.com

EMS Magazine is available to personal NCEMSF members free of charge for one year.



The NCEMSF Store

Emergency Training Associates

1-B Broad Street

Taneytown, MD 21787

(410) 756.2000

www.ncemsf.org/bookstore.ems

EMS Books offers Up to 26% discount on EMS texts and apparel and a portion of all sales is donated to NCEMSF.



Tradeshow Participants

National Association of
Emergency Medical Technicians



Melissa Trumbull

PO Box 1400

Clinton, MS 39060

(601) 924-7744

www.naemt.org

Prince William County

Dept. of Fire and Rescue

Carolyn Carey

8494 Kao Circle

Manassas, VA 20110

(703) 792.4526

www.pwcgov.org/fire



Zoll Medical

Carmen Walter

269 Mill Road

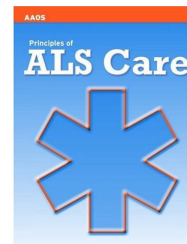
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Health Education Program Sponsors



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Conference Schedule - Friday, February 26, 2010

6:00 pm - 7:00 pm

Roundtable Discussion

A Note About NCEMSF Roundtables:

This session will serve as the first of many small roundtable discussions this weekend that will allow squads to network formally with their fellow schools and discuss issues facing their organizations. NCEMSF Leadership will moderate conversations specific to various campus based EMS issues providing a forum for communication and creating an environment where ideas can be exchanged and problems solved. Roundtables are limited to one or two representatives per school, and are ideally attended by current or aspiring leadership. Share your successes and failures and learn from one another. Continue conversations started during the roundtables throughout the conference weekend and throughout the year through NCEMSF's online discussion board: www.NCEMSForum.org

Administrator/Advisor/Medical Director Roundtable

Chesapeake A

Mark E. Milliron, MS, MPA, NCEMSF Director-at-Large

In this first of two roundtables dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will listen to concerns of university officials and address issues that they may be facing on their campuses. This session will also address common startup issues for those present trying to learn whether CBEMS is right for their campus. This session is intended only for university administrators, advisors and medical directors.

7:00 pm - 8:00 pm

Ask the Experts

Constellation B

George J. Koenig, Jr., DO, NCEMSF President, Moderator

An interactive case based panel discussion and question and answer session with EMS gurus focusing on current controversies in EMS. Panelists include: Benjamin N. Abo, NREMT-P, Samuel M. Galvagno, Jr., DO, Douglas Gilbert, DO, Benjamin Lawner, DO, and Christopher T. Stephens, MD

8:00 pm - 9:00 pm

Explosives and Bomb Awareness

Constellation C

Darrin M. Batty, EMT-P, NCEE

This session will focus on the use of explosives as terrorist weapons. It will include examples of device components, resulting injury patterns, and examples of this extremely effective instrument of destruction. Terrorist ideologies and prevention will also be detailed.

Collegiate EMSLive!

Constellation B

Scott Mcleod

An EMS podcast moderated by co-host of Generation Medicine involving conference attendees and focusing on collegiate EMS issues. The podcast will be recorded at the conference and broadcast "live" at a later date - www.genmedshow.com.

9:00 pm - 1:00 am **Welcome Social**

Constellation A

Mingle with other collegiate EMS responders as they arrive. Challenge yourself to see how many people you can talk to in a short period of time - it is freshman orientation all over again! Enjoy the refreshments and sing or dance to the tunes of the DJ. Exchange your squad's patches, pins and shirts with those you meet. Watch as photos from past years flash on the screen. Show your squad's pride by making a banner to be presented by your squad at the *Meet & Greet* Saturday.

Conference Schedule - Saturday, February 27, 2010

7:30 am - 10:00 am	<i>Late Conference Check-in</i>	<i>Atrium</i>
7:30 am - 8:30 am	<i>Continental Breakfast</i>	<i>Foyer</i>
8:00 am - 9:00 am	<i>Group Introductions / Meet & Greet</i>	<i>Constellation A</i>
Bring the banner you created on Friday night and show your organizational spirit. Each collegiate EMS organization will be briefly introduced (school location, number of members, level of service, how many delegates at the conference, and one unique thing about their group). You will also have a chance to further mingle and meet your fellow collegiate EMS providers as we play Collegiate EMS BINGO! Anniversary awards will also be presented at this time.		
9:00 am - 10:00 am	<i>General Session I</i> <i>Sponsored by the Sudden Cardiac Arrest Association</i>	<i>Constellation A</i>

Remarks and Introduction

Timothy Kiedrowski, Sudden Cardiac Arrest Association

Advocacy in Washington for EMS and Your Important Role

Kurt Krumperman, MS, NREMT-P

If EMS is local, does Washington matter? Absolutely! From education standards, to ED overcrowding, to the funding of EMS programs coming from Washington, the Federal Government plays a significant role. This talk will outline what these federal decisions are and discuss why EMS must have a strong voice in Washington as well as your role in helping to establish that voice.

Note: The concurrent workshop sessions are loosely organized into tracks. Look for a symbol next to a topic name to identify the track:

🚑 medical; 💧 trauma; ⚙️ administrative/leadership; 🌸 potpourri

All lectures at the NCEMSF conference strive to expand a collegiate EMS provider's scope of knowledge. It is our belief, that you are the future healthcare leaders. For that reason we encourage our speakers to present information at a level that challenges you to reach beyond the scope of a traditional EMT class. Therefore, while many of our lectures will review basic EMT skills, most lectures will strive to provide additional information designed to foster leadership and convey advanced medical knowledge.

Sessions are open to all, however, seating in all rooms is limited. So plan ahead to avoid being shut out of a lecture you really want to hear (note: many presentation slides will be made available online post conference). In deciding which lectures to attend, consider your personal as well as corps' needs. For example, new startup organizations may want to prioritize lectures in the administrative/leadership track. Larger groups in attendance may want to divide up so that delegates are in each lecture offered rather than all sitting together in one lecture session.

Conference Schedule - Saturday, February 27, 2010

10:10 am - 11:10 am Workshop Session 1

Termination of Resuscitation

Constellation F

Michael G. Millin, MD, MPH, FACEP

Whether from a medical cause or due to trauma, it is not uncommon for EMS providers to have to manage a patient in cardiopulmonary arrest. While there are conditions by which the EMS providers will be able to contribute to a successful outcome, defined as the patient leaving the hospital neurologically intact, overall survival from cardiac arrest is extremely low. In addition, as running lights and sirens poses a threat to the EMS providers and the public health, it is the goal of an EMS system to only be running lights and sirens for a patient in which the lights and sirens will likely contribute to a positive outcome. The purpose of this lecture is to discuss the science of EMS termination of resuscitation protocols. Students will learn the determinants that contribute to a positive outcome for both medical and traumatic arrests. Students will also learn how medical directors can use the science to write an evidenced based termination of resuscitation protocol.

The Intoxicated Patient

Chesapeake

Mark E. A. Escott, MD, MPH, FAAEM

This session will discuss the evaluation, management, and disposition of intoxicated patients. Current literature as well as best practice guidelines, with particular focus on patient refusals, will be reviewed. A novel disposition approach using breathalyzers by EMS that has been implemented at Penn State will also be discussed.

Crisis Response:

Constellation E

More Than Just Psychological Band-aids

Dwight A. Polk, MSW, NREMT-P

How many times have you heard that we either have to “load and go” or “stay and play”? But have you ever thought about what that means to the patient in crisis? EMS and police agencies are responding more and more to calls for the “patient in crisis”. Is it a suicide attempt? ...a mentally ill patient whose medications need regulating? ...or a teenager who is overwhelmed with anxiety or depression? This presentation looks at basic crisis theory, assessment techniques, and management skills for the EMS provider.

Pediatric Assessment Tips

Constellation D

Regina Arnold, MS, NREMT-P

This session will review conditions that cause both respiratory and circulatory failure in the pediatric population. Video clips will facilitate discussion and will demonstrate signs and symptoms of such conditions in children and infants. Assessment tips and questions for the patient's family members will be discussed in depth.

Blunt Trauma

Constellation C

Christopher T. Stephens, MD, MS, NREMT-P

Blunt trauma is a leading cause of morbidity and mortality among all age groups. Identification of serious intra-thoracic or abdominal pathology is often challenging. Many injuries may not manifest during the initial assessment and treatment period. Mechanisms of injury often result in other associated injuries that may divert the clinician's attention from potentially life-threats. Injury to structures can be classified into two primary mechanisms of injury: compression forces and deceleration forces. At the completion of this lecture attendees should be able to assess and manage patients sustaining blunt trauma. Pre-hospital as well as hospital assessment and management will be covered.

Conference Schedule - Saturday, February 27, 2010

⌘ Essential EMS Documentation:

Columbia

Paper and Electronic - The Same Rules Apply

James Wilmerding, MS, MEd, EMT-P

It's 0400 on a cold winter morning and you have just completed a rugged call....and then...."Oh Man, we gotta do that %\$%\$#@ run sheet"! Whether you are writing your EMS run data onto desktops, laptops, notebook paper, a pad of forms, a strip of tape or on the back of your glove - it still has to be done....AND it needs to be accurately recorded, archived, protected and accessible when needed - "Forever And Ever Amen".... even in the wee hours of the morning! Come review the basics of efficient and effective run documentation techniques, pitfalls to avoid, and how to transition from paper to paperless record keeping as painlessly as possible - morning, noon or night!

⌘ Interagency Communication and Collaboration

Frederick

Don Lundy, BHS, NREMT-P

Charleston County EMS serves a population of over 310,000 in 1,111 square mile area. It works with a number of first responder agencies, including the College of Charleston EMS team, which assists the County in insuring excellence in patient care in one of the busiest tourist areas of the country. The college team has a wonderful relationship with its counterpart in County EMS and often works together on such things as special events, training and every day responses. Many of the college's graduates (and current members) have been hired by CCEMS. This program will discuss ways to enhance (or start) the development of a mutual respectable relationship with fellow first responders in your community.

Roundtable Discussion

Baltimore

Startup - *Andrew S. Mener, NCEMS Startup Coordinator*

Continuing in the series of roundtable discussions, this session will be devoted specifically to aiding new startups in applying all that they learn at this year's conference and helping them determine the next steps in solidifying their fledgling organizations.

Roundtable Discussion

Annapolis

Expanding Your Level of Service - *Mark E. Milliron, MS, MPA*

During this roundtable, NCEMS Leadership will moderate a conversation with squads trying to expand their current level of service. Whether trying to go from a bike unit to a QRS, a QRS to a transporting agency, or a first responder to BLS or ILS squad, this session should aid established organizations in taking the next step in their further development.

11:20 am - 12:20 pm Workshop Session 2

⌘ Noninvasive Monitoring in the Prehospital Arena:

Constellation F

Current Physiology and Pitfalls

Samuel M. Galvagno, Jr., DO

Recent technological advances have improved our ability to monitor vital signs in the prehospital arena. An understanding of the capabilities and limitations of devices being used is a prerequisite for effective monitoring in the field. The goal of this lecture is to educate the first responder/EMT/paramedic about the proper use and limitations of noninvasive monitors used in prehospital care. New technologies for noninvasive vital sign determination will also be discussed.

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🚑 Role of EMS in End of Life Situations

Constellation E

Ronald N. Roth, MD, FACEP

You declare a patient DOA, now comes the hard part...dealing with the family! At some point in our careers we will be faced with the death of a patient and the grieving family. This lecture will review some of the dos and don'ts with respect to end of life situations.

♠ Controversies in Spinal Immobilization

Constellation D

Mark E. Pinchalk, MS, EMT-P

Spinal immobilization is a frequently applied intervention in the prehospital setting, but not without the risk of significant morbidity for the patient. This presentation will review the current literature regarding clinical evaluation of potential cervical spinal injuries and the utility of using field evaluation algorithms to clinically clear the c-spine in the prehospital setting. Sample protocols and outcome data will be reviewed.

♠ Burns

Constellation C

Douglas Gilbert, DO

Each year more than 700,000 people in the United States are treated for burns. Care provided during the first hours following a burn injury has a major impact on a patient's long-term outcome. Most initial burn care is provided outside of the burn center environment, and EMS is often the first link in that chain of care. Prehospital providers who can immediately recognize the severity of a burn injury and initiate appropriate initial burn interventions will exponentially improve a patient's chances of survival and eventual outcome. This Talk will review the different types and depths of burns. The lecture will cover the initial treatment of burns and help providers identify interesting and special types of burns.

⌘ No Subpoena Unless It's a Subpoena Colada

Chesapeake

Benjamin N. Abo, NREMT-P

An EMT doing a post-mortem C-section? A tube that moved into the esophagus? A dropped patient down a flight of stairs? So often on the news or shows like 20/20 we see terrifying investigations and reports of "EMS oopsies". But what really is happening? What really pays out in the lawsuits and insurance claims? How can we protect ourselves? This lecture will take a look from a working provider's point of view at where the big money is going and keep your record unblemished.

⌘ Running a Collegiate EMS Training Program

Frederick

Matthew Bisgaier, EMT-P

Managing an EMS training program for all levels requires hard work and dedication. The unique challenges presented by a college environment demand a flexible approach to handling the needs of squad members, the community, and the university. This talk will explore some of the considerations that must be taken in forming or running a training program, determining program goals and objectives, and analyzing results.

🌀 Sense and Sensitivity:

Constellation A

Applying the CARES 10.0 Model to Sexual Assault Calls

Eric M. Garrison, MAEd, MSc, DLSHTM, CSC, ACS

With college sexual assaults (SA) and intimate partner violence (IPV) continuing to occur across campus, wouldn't you like to know more about how to handle these delicate situations, so that everyone from the survivor to the EMS crew feels more comfortable and less anxious? Eric will help you become aware of your own comfort

Conference Schedule - Saturday, February 27, 2010

levels and build on your current knowledge and training, so that you and your crew are prepared for that next SA call. By noon on Saturday, every participant will be able to list each of the five aspects of the CARES 10.0 model and state how each item applies to sexual assault calls as well as to additional EMS and university settings. As a professional presenter who continues to boast, "I love to be interrupted," Eric will ration time for Q&A throughout his session, and he will have handouts online at the NCEMSF website and on his own website, www.ericmgarrison.com, as well.

☯ Getting Out of - the Back of the Bus

Columbia

James Wilmerding, MS, MEd, EMT-P

The role of the EMS provider continues to evolve and expand. No longer are we confined simply to pre-hospital patient care "in the back of the bus" or attending to accident scenes or medical calls. Preventative healthcare screenings, teaching and training, community involvement and outreach both domestically and overseas are quickly providing unique venues for the EMS provider to offer service beyond the "red lights and sirens". Explore a variety of exciting worldwide volunteer opportunities and how you become involved!

Roundtable Discussions

Financing - Stephen Lanieri and Yoni Litwok

Baltimore

Recruitment and Retention - Jeffrey Bilyk and Les Polk

Annapolis

For this set of roundtable discussions, NCEMSF Leadership will moderate conversations addressing two common collegiate EMS problem areas: financing, and recruitment and retention.

12:20 pm - 1:30 pm *Lunch*

With just over an hour for lunch, we recommend one of the two Harborplace foodcourts across the street from the hotel (either in The Light Street Pavilion or The Gallery) or the hotel restaurant - Bistro 300 - see a full listing of options and map on page 29.

On your way to, or back from, lunch, take some time to check out the **Baltimore City Fire Department apparatus** on site in front of the hotel.

CBEMS Research Committee Meeting

Board Suite

The NCEMSF CBEMS Research Committee will meet with various conference speakers and attendees to discuss NCEMSF's continuing research agenda, set priorities for ongoing projects and brainstorm new opportunities. Interested in getting involved and helping to be a part of the future of EMS research? - talk to a member of the Board.

1:30 pm - 2:20 pm *Workshop Session 3*

Richard W. Vomacka Student Speaker Competition

Initially introduced at the 2002 Annual Conference, the Richard W. Vomacka Student Speaker Competition is named for an NCEMSF mentor who passed away in October 2001. This symposium is a chance for student lecturers to showcase their presentation skills and earn bragging rights for their collegiate EMS organization. The competition is judged on a speaker's ability to deliver a relevant high-quality seminar to his/her peers.

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Prescription Drug Abuse in American Colleges

Constellation C

Alexander Daoud, Emory University

For the first time in US history, the abuse of prescription drugs has exceeded that of almost all illicit drugs. With this increase, researchers have indicated that a staggering 20% of American college students are currently taking prescription drugs for non-medicinal purposes. In this lecture, we will summarize the most recent research on prescription drug abuse and review the ways in which people are taking these drugs, with focus on their side effects and interactions with alcohol and illicit drugs. After understanding these factors, we will examine the common clinical presentations one might find in a patient abusing these medications and discuss treatment plans that will maximize pre-hospital patient care.

Integrating EMS in Campus Emergency Planning

Constellation D

Ryan Hay, DeSales University

College campuses nationwide are inherently vulnerable to the possibility of a major incident, be it man natural or man-made. This session will review the basic components of Emergency Management in relation to common threats to higher education institutions. Focus will be placed on the role of the campus EMS agency throughout the entire emergency management process; specifically how the EMS agency can work with its campus-based and municipal partners to ensure an efficient and appropriate response.

Implementing EMS Command on College Campuses

Constellation E

Michael Simons, Binghamton University

All emergency personnel are trained in the National Incident Management System and the Incident Command System (NIMS/ICS). While these courses introduce students to standardized language and command structure, they do little to actually prepare EMS providers to handle and respond to complex emergencies. College campuses provide many unique opportunities and challenges to implement and practice establishing EMS command. During this presentation, the topic of establishing EMS command will be discussed and how it fits into the larger command structure along with some of the unique challenges and opportunities faced by collegiate EMS organizations.

Training in the Collegiate EMS Environment

Constellation F

Syracuse University Ambulance

How does a Collegiate EMS system balance the need for excellent patient care with the need to train its members to foster its existence? Unlike professional agencies, Collegiate EMS agencies have a majority of their members join for only a few short years. In order to ensure that patients receive the best care possible, and the organization is able to sustain itself; a training and advancement program must be in place. This session will explain the benefits and components of a comprehensive EMS training system as well as discuss implementation and continuous quality improvement of such a system.

How Last Night's Binge Affects Tomorrow's Call

Chesapeake

University of Vermont Rescue

Alcohol is prevalent on college campuses; most of us have likely engaged in binge drinking at some point, and have surely been EMS providers on calls where alcohol consumption has led to someone needing EMS care. We all know drinking can affect us while we're out partying and sometimes into the next day in the form of a hangover, but how does it affect us 2, 3, and even 14 days after a hard night of partying? Binge drinking can have negative effects on concentration, reaction time, and memory retention. Learn exactly how alcohol can affect us even weeks after a binge, and how that can in turn affect our patients.

Conference Schedule - Saturday, February 27, 2010

Regional Roundtable Discussions

Michael T. Hilton, MD and NCEMSF Regional Coordinators

Canada, Central, MA, N. Central, Northeast, Southeast, West:

Constellation A

Mid-Atlantic, Midwest, NY, N. New England, PA:

Constellation B

The NCEMSF National Coordinator invites squad leaders to meet with their Regional Coordinator and other leaders in their geographic region. Attendance will help organizations to grow within NCEMSF and allow NCEMSF to better serve its constituents. These sessions are limited to one or two representatives per school, and are ideally attended by squad leadership/squad NCEMSF Liaisons.

Life After Collegiate EMS Panel

Columbia

Discussion on How EMS has Influenced Career Decisions

Michael S. Wiederhold, MD, MPH

Not sure what you are going to do after graduation? At this panel discussion you will hear from several people that utilized their experience in EMS to guide their career choice. Hear how collegiate EMS prepared them for their chosen careers. Represented on this panel are professionals who work in the public health, medical, and EMS management fields. Panelists include: Regina Arnold, MS, NREMT-P; Mark E. A. Escott, MD, MPH; Erik S. Gaull, CEM, CPP; and Kari Szentesy.

Administrator/Advisor/Medical Director Roundtable

Baltimore

Mark E. Milliron, MS, MPA; Andrew S. Mener

This second of two roundtables dedicated to campus administrators, EMS advisors and medical directors present will continue the conversation started Friday evening and provide additional formal opportunity for university officials to interact with one another and NCEMSF Leadership. This session is intended only for university administrators, advisors and medical directors.

2:30 pm - 3:30 pm Workshop Session 4

From Sidelines to Mosh Pits to Protests:

Chesapeake

Tips & Tricks for the Clinical Side of Event Medicine

Benjamin N. Abo, NREMT-P

Dave Matthews Band is playing on Penn's campus? Pitt football is dominating WVU? LOVE fest rave visiting your school or maybe you're working a Texas A&M Bonfire? No matter what type of event it is, these gatherings all come with challenging patients presenting in a variety of places, ways, positions, and predicaments. How easy do you think it is to deliver the same quality assessment and exam for patients in mosh pits as those that walk over to your first-aid booth? This lecture will focus on true-life possibilities and clinical pearls for both ALS & BLS in any event medicine scenario.

Hypothermia and Cardiac Arrest

Constellation D

Mark E. Pinchalk, MS, EMT-P

Over the past thirty years no new interventions, outside of CPR and early defibrillation, have been demonstrated to improve outcomes in cardiac arrest. This is changing with the addition of hypothermia as a therapy for neuroprotection after return of spontaneous circulation. This presentation will review the research regarding the use of post cardiac arrest hypothermia and review the City of Pittsburgh EMS protocol for induction of post arrest hypothermia in the field.

Conference Schedule - Saturday, February 27, 2010

EMS Mythology: 2 Bicarbs and an Epi Chaser

Constellation C

Benjamin Lawner, DO

Stories passed on from generation to generation have previously defined the modern practice of prehospital medicine. Despite a growing body of evidence, certain EMS protocols advocate an expired standard of care. Dr. Lawner will highlight some persistent myths and discuss the transition towards evidence based prehospital medicine. The presentation focuses on the dogma of advanced life support and reviews the evidence behind a BLS model of prehospital care.

You Be the Judge: Prehospital Case Review

Constellation E

A Critical Review of Actual Prehospital Care Cases

Ronald N. Roth, MD, FACEP

A critical review of actual Pre-hospital care cases. The group will be asked to review the performance of prehospital providers on actual calls. The calls will be used as a starting point for the discussion of several important prehospital topics.

◆ Penetrating Trauma

Constellation A

David T. Efron, MD, FACS

Penetrating trauma presents as some of the most graphic injury patterns you will encounter in EMS. Penetrating trauma is defined as an injury caused by an object breaking the skin and entering the body. These events include gunshot wounds (GSWs) and stab wounds, as well as other types of impalements, and can range in severity from superficial punctures to penetration of major body systems. This lecture will review the importance of defining trajectory to help identify injury, assess indications for fluid resuscitation, debate necessity of spinal immobilization, and discuss definitive care.

⌘ A+ Quality Assurance

Constellation F

Frank A. Caria, MPA

EMS agencies strive to deliver the highest level of care possible to the public they serve. The development and maintenance of an active and involved Quality Assurance/ Continuous Quality Improvement program is essential to that goal. QA/ CQI is more than simply reviewing calls. This session will provide information and tips on how to enhance a QA/CQI program to better your agency and the public.

☯ Handling In-Flight Medical Emergencies

Columbia

Aboard Commercial Flights

Erik S. Gaull, CEM, CPP

This session reviews the incidence of in-flight medical emergencies and discusses what the prehospital provider needs to know to manage an in-flight medical emergency adequately, including flight physiology, medical resources available, and procedures/protocols for patient management and aircraft diversion.

Roundtable Discussion

Baltimore

Training

Matthew Bisgaier, EMT-P; Eric Pohl, NREMT-P

Continuing in the series of roundtable discussions, this hour will continue the conversation started during the lecture on running a collegiate EMS training program and discuss various training challenges and how to overcome them.

Conference Schedule - Saturday, February 27, 2010

Averting Acute Idiopathic Hyperhydrosis Arising from Pre-Occupational Examination (aka How to Ace Your Next Job Interview)

Frederick

Eric M. Garrison, MAEd, MSc, DLSHTM, CSC, ACS

Commencement waits just around the corner, and for seniors taking a "glide year" before more schooling - or for those whose first degree is a stopping point, the need to begin a career is also on the calendar. In this recovering economy and with stiff competition for work, knowing how to succeed in an interview is an important skill-set to develop. This personal conversation will provide you with quick tips to get you from cover letter to hand-written thank-you note - and for every phase in between. There will be time for Q&A throughout Eric's session, and he will have handouts online at the NCEMSF website and on his own website, www.ericmgarrison.com, as well.

** Seating is limited to no more than two graduating seniors per school and no more than fifty participants total. You may register for this workshop at the registration desk starting Saturday morning.

Skills Workshop HazMat Tabletop

Annapolis

Darrin M. Batty, EMT-P, NCEE

This tabletop exercise is intended to provide an opportunity to test your ability to respond to hazardous materials (HazMat) incidents. The exercise provides the opportunity to identify the response and coordination issues that could arise during a variety of hazardous materials scenarios and make the decisions to resolve those issues.

** Limited to the first 25 participants. Sign up at the registration table starting Saturday morning.

3:40 pm - 4:40 pm Workshop Session 5

Vital Signs: What Do They Really Tell You?

Constellation C

Graig Strauss, RN

Often times, we take vital signs, record them, and transport the patient without actually realizing what these numbers are telling us. While we know the "signs of shock," there is more to the clinical picture than that. This lecture will go back to the basics of vital signs and build on that so you can have a better understanding of what these numbers actually tell you.

◆ Traumatic Brain Injury

Constellation D

Deborah M. Stein, MD, MPH, FACS

What happens to the brain after severe trauma or hypoxia? How does it react to injury? Traumatic brain injury is the leading cause of death and disability following trauma. Early recognition and aggressive management can lead to improved outcomes. This lecture will focus on what field providers need to know about traumatic brain injury. Prehospital and hospital-based treatments will be discussed.

Conference Schedule - Saturday, February 27, 2010

◆ Shock

Constellation E

Benjamin R. Usatch, MD, FAAEM, NREMT-P

Not so long ago, shock was defined as just a low blood pressure present when patients were sick or injured. Today, we understand that shock is a complicated series of reactions from external stimuli as well as our bodies reaction to those stimuli. Understanding the different mechanisms that contribute to shock will help the provider manage the patients that we see daily who present with this often fatal complication. In this lecture, we will try to explain and organize the approach to shock as well as introduce some of the management issues and controversies involved in the care of this dynamic and challenging problem.

⌘ Public Health and EMS

Frederick

Aaron L. Miller

Emergency medical services are an integral link in the public health infrastructure. Learn how EMS is affected by issues in public health and valuable tools that collegiate EMS agencies can utilize to contribute to the overall health and safety of their communities. There will be an emphasis on syndromic surveillance as it relates to college campuses and how EMS organizations are invaluable in determining potential outbreaks.

⌘ Pandemic Influenza Planning for EMS Organizations

Columbia

Erik S. Gaull, CEM, CPP

This session presents important concepts and considerations for ensuring the continuity of operations for emergency medical services organizations during a pandemic influenza outbreak.

☯ Tactical EMS

Constellation F

Matthew J. Levy, DO, MSc, NREMT-P

The environment surrounding civilian law enforcement special weapons and tactics (SWAT) team operations can result in severe injury to officers, hostages, bystanders and suspects. Law enforcement agencies have identified the need to have real time emergency medical care delivered within the hot zone of a tactical incident. This need mandates specially trained medical personnel who utilize a different set of assessment and treatment priorities, understand the law enforcement mission, and train to work with and support tactical teams. Upon completion of this lecture, the participant will be able to: Identify the differences between the delivery of conventional and tactical emergency medical services, review the goals of tactical combat casualty care, recognize the causes of preventable combat casualty death and recall the stages of combat casualty care.

☯ What is the Size of Your D.O.G.?

Chesapeake

Nicholle Brock, NREMT-P, Author Principles of ALS Care

What is the size of your D.O.G? What motivates EMS technicians to do what they do? Is it the flexible work schedule? Is it because you look attractive in that uniform (because you do)? Or is it because you value saving lives and making a difference in society at the end of the day? In our business, the bottom line is to save lives. In order to reach this goal we have to be the best we can be and that is based on the size of our D.O.G. - our determination to overcome obstacles in order to reach our goals. In this lecture, Nicholle addresses strategies for finding your D.O.G.

Conference Schedule - Saturday, February 27, 2010

Roundtable Discussion

Baltimore

QA/CQI

Frank A. Caria, MPA

This roundtable discussion follows the preceding lecture on quality assurance. Bring your issues and ideas and your peers will help you work through them.

Skills Workshop

Annapolis

Hands-On ALS Assist for the BLS Provider

Jon Cooper, EMT-P

How does an EMT work with a paramedic on a close, high acuity call. Attend this hands on session to experience the nuts, bolts and basics of assisting your ALS provider with advanced monitoring, airway and IV equipment.

** Limited to the first 25 participants. Sign up at the registration table starting Saturday morning.

4:40 pm - 4:55 pm *Snack Break*

Foyer

4:55 pm - 6:00 pm *General Session II*
Major John P. Pryor, MD Memorial Lecture
Introduction
George J. Koenig, Jr, DO, NCEMSF President

Constellation A

Pelvic Trauma

Patrick M. Reilly, MD, FACS

This lecture will provide a review of the initial evaluation of injured patients, with a specific eye towards pelvic trauma, and the vital role that prehospital providers play in the care of these patients. Diagnostic and management issues relative to the first few hours of care will be discussed and recent literature and experience reviewed.

6:00 pm - 7:00 pm *Leadership Presentation & Business Meeting* *Constellation A*
George J. Koenig, Jr, DO, NCEMSF President

Learn how NCEMSF can better serve you through all of its programs and member benefits. Includes reports from the NCEMSF Executive Officers, Division Coordinators and Committee Chair-people as well as the unveiling of exciting new programs and agenda items. Make sure you stay till the end of the awards ceremony for your chance at free give-aways.

Awards Ceremony

NCEMSF recognizes outstanding efforts made by individuals and organizations through its awards program. The winners of the Physio-Control EMS Skills Competition also will be acknowledged:

Striving for Excellence
Richard W. Vomacka Student Speaker Competition
Collegiate EMS Week Celebration of the Year
Collegiate EMS Video of the Year
Collegiate EMS Web Site of the Year
Collegiate EMS Advisor of the Year
Collegiate EMS Provider of the Year
Collegiate EMS Organization of the Year
George J. Koenig, Jr. DO Service Award

Conference Schedule - Saturday, February 27, 2010

7:00 pm - 8:30 pm *Alumni Mixer and Networking Event* *Harborview*

Campus EMS Alumni (over 60 registered as of this publication) are invited to join the NCEMSF leadership for happy hour. Reminisce with old friends and catch up on happenings since graduation. Network with our accomplished group of speakers, vendors and recruiters. Conference badge with "Alumni" ribbon and proper ID required for entrance.

7:00 pm - 10:00 pm *Dinner and Evening Activities*

After a long day, it's time to unwind and eat! Try one of the many restaurants surrounding the conference facility, many are used to accommodating large groups although you may want to call in advance for reservations. See a listing of local restaurants and other nighttime suggestions on page 29 or consult the Hotel Concierge.

10:00 pm - 2:00 am *NCEMSF Club and Casino* *Constellation A*

After dinner on the town, stay out and enjoy the local bar scene, or return and join the party at the NCEMSF Club and Casino!

No need to congregate in the halls or cram large groups into a small hotel room, join the rest of your fellow collegiate EMS providers and "gamble", dance and sing the night away. Try your hand at beating the NCEMSF house at your favorite casino games including Black Jack, Craps, Roulette, etc... Great prizes are available including a flat screen TV, iTunes gift cards and a plethora of EMS supplies from CPR mannequins to fully stocked jump bags to stethoscopes to pocket knives. No worries, there is no penalty for losing and no real money will be exchanged. Play risk free! Our live DJ will help get this party started and keep it going well into the night. Light refreshments will also be served.

Note: the casino will close at 1am, but the music will continue until 2am, and the room will remain open for an additional while as a place to congregate without disturbing other hotel guests. Please utilize this space.

GET SOME REST!
WE'LL SEE YOU IN THE MORNING...



Schools in Attendance

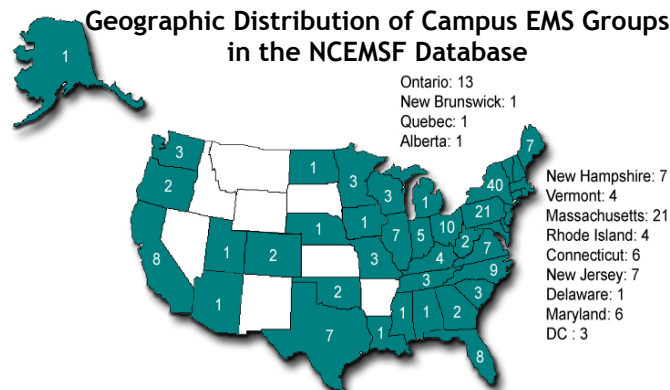
*At the time of publication, the following 89 universities (813 delegates) had registered:
(information below is from the NCEMSF Database, please see your RC to update your profile)*

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
Bellarmine University	4	KY	Southeast	Startup	
Binghamton University	31	NY	New York	ALS	Ambulance Transport
Brandeis University	5	MA	Massachusetts	BLS	Non-emergent Transport
Brown University	4	RI	Northeast	ALS	Ambulance Transport
Bucknell University	6	PA	Pennsylvania	BLS	QRS
Carleton University	5	ON	Canada	FR	QRS
Carnegie Mellon University	13	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	8	OH	Midwest	BLS	Non-emergent Transport
Clark University	15	MA	Massachusetts	FR	QRS
<i>College of Charleston</i>	<i>14</i>	<i>SC</i>	<i>Southeast</i>	<i>FR</i>	<i>QRS</i>
Columbia University	5	NY	New York	BLS	Ambulance Transport
Cornell University	11	NY	New York	BLS	Non-emergent Transport
Creighton University	4	NE	Central	Startup	
<i>Daniel Webster College</i>	<i>3</i>	<i>NH</i>	<i>Northern New England</i>	<i>ILS</i>	<i>Non-emergent Transport</i>
<i>Dartmouth College</i>	<i>2</i>	<i>NH</i>	<i>Northern New England</i>	<i>BLS</i>	<i>QRS</i>
DeSales University	12	PA	Pennsylvania	BLS	QRS
Duke University	2	NC	Southeast	BLS	QRS
<i>Embry-Riddle Aeronautical University</i>	<i>3</i>	<i>FL</i>	<i>Southeast</i>	<i>BLS</i>	<i>QRS</i>
Emory University	10	GA	Southeast	ILS	QRS
Fordham University	8	NY	New York	BLS	Ambulance Transport
Franklin and Marshall College	12	PA	Pennsylvania	Startup	
Franklin Pierce University	5	NH	Northern New England	BLS	QRS
Georgetown University	19	DC	Mid Atlantic	BLS	Ambulance Transport
Hobart and William Smith Colleges	6	NY	New York	BLS	QRS
Illinois Wesleyan University	5	IL	North Central	BLS	QRS
John Carroll University	8	OH	Midwest	BLS	QRS
Johns Hopkins University		MD	Mid Atlantic	BLS	QRS
<i>Juniata College</i>	<i>9</i>	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
Loyola Marymount University	21	CA	West	BLS	QRS
Massachusetts Institute of Technology	12	MA	Massachusetts	BLS	Ambulance Transport
McMaster University	5	ON	Canada	BLS	Non-emergent Transport
Mount Holyoke College	6	MA	Massachusetts	BLS	QRS
Muhlenberg College	7	PA	Pennsylvania	BLS	Non-emergent Transport
New York University	4	NY	New York	Startup	
Norwich University	14	VT	Northern New England	BLS	Non-emergent Transport
Pennsylvania State University	32	PA	Pennsylvania	BLS/ALS	Ambulance Transport
Radford University	8	VA	Mid Atlantic	BLS	QRS
Rensselaer Polytechnic Institute	3	NY	New York	BLS	Ambulance Transport
Rice University	7	TX	Central	ILS	QRS
Rider University	1	NJ	Northeast		
Rochester Institute of Technology	14	NY	New York	BLS	Ambulance Transport
Rowan University	12	NJ	Northeast	BLS	Ambulance Transport
<i>Ryerson University</i>	<i>1</i>	<i>ON</i>	<i>Canada</i>	<i>FR</i>	<i>Event Standby Only</i>
Saint Anselm College	5	NH	Northern New England	BLS	QRS
Saint Michael's College	4	VT	Northern New England	ILS	Ambulance Transport
Santa Clara University	17	CA	West	BLS	QRS
Springfield College	12	MA	Massachusetts	BLS	QRS
St. Bonaventure University	5	NY	New York	BLS	QRS
<i>St. Lawrence University</i>	<i>4</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>
SUNY Albany	12	NY	New York	BLS	Ambulance Transport

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
<i>SUNY College at Cortland</i>	10	NY	New York	BLS	QRS
SUNY Geneseo	6	NY	New York	BLS	QRS
SUNY Oneonta	5	NY	New York	BLS	QRS
SUNY Oswego	11	NY	New York	BLS	Ambulance Transport
SUNY Potsdam	4	NY	New York	BLS	QRS
Syracuse University	10	NY	New York	BLS	Ambulance Transport
<i>Texas A&M University</i>	17	TX	Central	ALS	Ambulance Transport
The George Washington University	32	DC	Mid Atlantic	BLS	Non-emergent Transport
Trinity College	4	CT	Northeast	BLS	QRS
<i>Tufts University</i>	7	MA	Massachusetts	BLS	Non-emergent Transport
Tulane University	10	LA	Central	BLS	Ambulance Transport
<i>United States Merchant Marine Academy</i>	3	NY	New York	BLS	Ambulance Transport
University of Arizona	2	AZ	Central	Startup	
University of Dayton	10	OH	Midwest	BLS	Ambulance Transport
University of Delaware	38	DE	Mid Atlantic	BLS	Ambulance Transport
University of Guelph	4	ON	Canada	BLS	QRS
University of Il. at Urbana-Champaign	15	IL	North Central	BLS	Event Standby Only
University of Iowa	2	IA	North Central	Startup	
University of Massachusetts Amherst	11	MA	Massachusetts	BLS	Event Standby Only
University of Massachusetts Lowell	10	MA	Massachusetts	BLS	QRS
University of New England	16	ME	Northern New England	BLS	QRS
University of Pennsylvania	15	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	9	PA	Pennsylvania	Startup	
University of Rhode Island	9	RI	Northeast	BLS	Ambulance Transport
University of Richmond	4	VA	Mid Atlantic	Startup	
University of Rochester	12	NY	New York	BLS	QRS
University of South Florida	8	FL	Southeast	BLS	Event Standby Only
<i>University of Tampa</i>	3	FL	Southeast	FR	QRS
University of Toledo	3	OH	Midwest	Startup	
University of Vermont	8	VT	Northern New England	ALS	Ambulance Transport
University of Windsor	3	ON	Canada	BLS	QRS
University of Wisconsin Madison	3	WI	North Central	Startup	
Ursinus College	6	PA	Pennsylvania	BLS	QRS
Vermont Technical College	8	VT	Northern New England	BLS	QRS
Villanova University	14	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Polytechnic Institute	6	VA	Mid Atlantic	BLS/ALS	Ambulance Transport
West Chester University of PA	5	PA	Pennsylvania	BLS	Non-emergent Transport
<i>Worcester Polytechnic Institute</i>	5	MA	Massachusetts	FR	QRS
Yale University	4	CT	Northeast	BLS	Event Standby Only

Bolded schools are new to the NCEMSF Conference this year; Italicized schools are celebrating milestone anniversaries this year.



Conference Schedule - Sunday, February 28, 2010

8:00 am - 9:00 am *Continental Breakfast* *Foyer*

8:30 am - 12:00 pm *ICS for Higher Education* *Charles*

Mark E. Milliron, MS, MPA; Scott A. Mickalonis

This workshop will introduce the Incident Command System (ICS) and provide the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of ICS. It also explains the relationship between ICS and the National Incident Management System (NIMS). This course uses the same objectives and content as other ICS courses with higher education examples and exercises. Upon completion of the workshop, participants will have the opportunity to complete the final exam and be certified by FEMA for IS-100.HE.

8:30 am - 9:30 am *Workshop Session 6*

 **The Acute Airway:**

Constellation F

Asthma Exacerbation and Anaphylaxis

Timothy Chizmar, MD

Should you give epi to a crashing asthmatic or your patient with possible anaphylaxis? We will discuss the essentials of identification and management of impending respiratory distress due to anaphylaxis and acute asthma exacerbation. The attendee will be able to recognize the severity of these emergencies and institute appropriate life-saving interventions.

 **Psychiatric Emergencies in Collegiate EMS**

Constellation C

Ari Rabkin

Recent high profile incidents involving suicide and psychiatric emergencies on colleges campuses have heightened the awareness of the prevalence of mental health issues among college students. Collegiate EMS providers are often called on to deal with the dual nature of psychiatric emergencies - the first concern being the safety and health of the patient; and the second concern being the effect of suicide attempts on EMS providers, especially when patients may be personally known or otherwise familiar to student EMS responders (i.e. "he's in my organic chemistry lab section"). The purpose of this presentation will be to review the research surrounding psychiatric emergencies on campus; provide an overview of various suicide prevention programs currently being deployed on campus; and provide practical tips both for dealing with immediate nature of psychiatric emergencies and the aftermath of suicide attempts on collegiate first responders.

⌘ How Did We Get Here? Was Anyone Here Before?

Constellation E

Mark Forgues, MEd, EMT-P

This presentation tracks the steps and missteps of resuscitation science throughout the ages starting with the ancient attempts at reanimation, advances brought by war, to the beginning of scientific research into resuscitation in the late 50s and early 60s, to the headlong rush through the early popularization of rescue and resuscitation in the 60s and 70s, to the more scientifically refined period of the 80s and 90s. This program contains hundreds of illustrations of people, devices and techniques through the ages; some good, some ineffective, some harmful, some just silly with 20-20 hindsight. Early devices, the forerunners of the equipment we use today, will be shown. Some early recommendations which became recently "new" again will be presented, thus demonstrating that occasionally, history "gets it right." The presentation is composed of images from many varied sources. Some of these take a light-hearted look at some of our missteps and foibles in our attempts to save lives. Since the history of resuscitation and EMS are inexorably tied together, parallels in the development of Emergency Medical Services will be discussed as these were the impetus for many of the current developments.

Conference Schedule - Sunday, February 28, 2010

⌘ Hot off the Press: The Vital Role of Public Relations *Constellation D* *Shad U. Ahmed*

Nationwide, EMS relies on proper information in the public's hands for several reasons. The collegiate EMS organization depends more than ever on a good PR program. This presentation will cover everything from press releases, engaging the media, the Public Information Officer concept, public education, and recruitment. Collegiate EMS organizations have the opportunity to leverage a good PR program to further themselves and this presentation will show you how.

⌘ Habits of Highly Effective Medical Educators *Frederick* *Robert L. Rogers, MD, FACEP, FAAEM, FACP*

Ever wonder why certain people get all of the teaching awards? Ever look at a really popular teacher and wonder why you can't do what they do? What traits do effective clinical teachers possess? What things do they do that make them so effective and so popular? What characteristics of effective teachers have been found in the medical and education literature? How can you incorporate these traits into your clinical teaching skills armamentarium? Lastly, why is teaching worth the time? The purpose of this presentation is to prove that effective clinical teaching can be done by anyone who follows some simple rules. In addition, taking the time to become an effective educator is a meaningful endeavor because it will indirectly lead to the care of a patient in the future.

☯ Campus EMS Response to Active Shooter Incidents *Constellation A* *David Adler, NREMT-P*

It is an unfortunate truth that our schools are under attack from many different fronts. Many universities have been the site of active shooter attacks, which have resulted in the deaths of multiple innocents and the wounding of scores more. The assault on Virginia Tech is perhaps the most well-known, but certainly not the first. Campus EMS providers will certainly be involved in the response to such an attack. These motivated providers can do a great deal to lessen the impact. The common thought is that campus EMTs will provide the initial medical care when it is safe to do so, but there is so much more they can do...

Physio Control EMS Skills Competition Review *Columbia* *Michael T. Hilton, MD, Eric Pohl, NREMT-P*

Skills Competition participants and non-participants alike are invited to come and discuss the differential diagnosis of each case presented and dissect the medicine behind them. The review session will focus on the proper approach and management to each of the patients encountered. This is not a session to review individual team performances, but individual teams will be able to indirectly assess how they did personally based on the information provided.

9:40 am - 10:40 am *Workshop Session 7*

🔥 Fire and Ice: *Constellation A*

In the Heat of the Response, Don't Get Left Out in the Cold

Joshua Moskovitz, MD, MPH

Heat and cold emergencies as they pertain to EMS providers will be reviewed. The pathophysiology of various mechanisms of injury will be discussed as well as the proper management and treatment of each. Topics to be covered include: heat cramps, heat exhaustion, heat stroke, trenchfoot, frostbite, and hypothermia with special emphasis on campus resources and campus related injuries.

Conference Schedule - Sunday, February 28, 2010

Airway Management for EMT-Basics

Frederick

Fred Ellinger, Jr., NREMT-P

Until recently airway management for the EMT-Basic has been limited to bag-mask ventilation (BMV) and the placement of oral or nasal airways as indicated. With recent advances in extraglottic devices (EGD's), such as the esophageal tracheal combitube, laryngeal mask airway (LMA), and the King LT, EMT-Basics are becoming better equipped to combat hypoxia in the apneic patient. Increasingly more states are permitting EMT-Basics to use EGD's that were once reserved for "advanced" provider use only. In this interactive session students will receive: basic airway anatomy review; introduction to two mnemonics which assist in predicting successful BMV and EGD placement; planning for successful BMV including proper BMV technique and basic airway adjunct review; introduction, including indications, contraindications, and other pertinent information regarding the esophageal tracheal combitube, LMA, and King LT EGD's.

Cardiac Arrest: A Literature Update

Constellation F

Amal Mattu, MD

Still think A-B-C is the best approach to managing patients in cardiac arrest? Think again! The recent literature is turning the A-B-Cs upside down. Find out why C-C-C may be the new "mantra" of cardiac arrest and why ACLS is going "basic."

Emergency Medical Services for Children

Constellation E

Ian Weston

Children younger than the age of 18 years old comprise over 26% of the US population. These children also account for 25% of all visits to US emergency departments (ED's) or nearly 30 million ED visits each year. EMS providers, regardless of the demographic and dynamics of the agency, will undoubtedly treat children each year. It is especially important that these agencies consider the physiological and psychosocial differences in children during emergency care and treatment. College campus EMS agencies need to consider that a sizable population of incoming freshman and children of faculty fall within this category. This necessitates collegiate EMS providers to have the proper pediatric care experience and knowledge. This presentation will identify some of these important treatment differences, areas in which EMS agencies should consider continued training programs for pediatric scenarios, important pediatric equipment to be carried on ambulances, and what the federal government is doing to prepare providers in the care of children.

Becoming an Exceptional EMS Educator

Constellation D

Robert M. Henderson, Jr., MS, NREMT-P

You have the knowledge, you have the patient care experience, you have been through educator training and taught EMS subjects for a few years, and now you want to take it to the next level. With over 20 years as an EMS educator, Bob will share with you some of his pearls for ramping up your skills as more effective agents of change.

Liability for EMS Providers

Constellation C

Ryan Stark, JD

We all hear about doctors and other healthcare providers getting sued for medical malpractice on a daily basis, but what are the liability risks for EMS providers? In this session, EMS attorney Ryan Stark will talk about what types of protections are built into the law for most EMS providers and how effective they have been at preventing lawsuits. The session will focus on the real liability risks that EMS providers face in the field and simple steps to lessen those risks.

Conference Schedule - Sunday, February 28, 2010

EMS on Bikes

Columbia

John F. Washington

The presentation will include information on how to start a bike based EMS response unit including what to look for in the bicycle and its components, the pannier bags to hold the medical supplies and other accessories. Actual equipment from various manufacturers will be available to discuss the benefits and drawbacks of each piece of equipment and how to order the equipment from the manufacturer. EMS bike training issues will also be discussed, concentrating on the 4 R's - Recognized, Recent, Relevant and Realistic.

Roundtable Discussion

Baltimore

Disaster Preparedness

Shad U. Ahmed

Emergency Management is a changing field and it has rapidly expanded into higher education. During this session, Shad Ahmed will moderate a discussion about campus preparedness reviewing the basic principles and phases of emergency management, the critical role for collegiate EMS, and how to get involved in the whole process.

Skills Workshop

Annapolis

Megacode Resuscitation for the EMT-B

Regina Arnold, MS, NREMT-P; William Fritz, NREMT-P

This interactive scenario session will overview the physiology of sudden cardiac arrest and the treatment regimen utilized by advanced providers. The therapeutic effects of resuscitation drugs and defibrillation will be discussed as well as the importance of teamwork and uninterrupted CPR. Participants will resuscitate "Annie" as a team and learn how preparation and practice can benefit their patients.

** Limited to the first 25 participants. Sign up at the registration table starting Sunday morning.

10:50 am - 11:50 am Workshop Session 8

Case Studies in Prehospital Medicine

Constellation A

Benjamin Lawner, DO

At one time or another, prehospital providers will come face to face with the asthmatic patient in imminent danger of respiratory failure. What does the evidence say about how best to treat patients who present in extremis? Do patients circling the drain benefit from an injection of diesel fuel ("load and go") or a game plan that endorses a paramedic-based/"stay and play" strategy? Through interactive, case-based discussion, this presentation reviews the presenting signs and current treatment of common medical complaints.

Toxicology 201

Constellation F

Mark Forgues, MEd, EMT-P

Common ingestions and overdoses will be reviewed. Both prescription drugs and illegal substances will be covered. These will be approached through the use of toxidromes; common pharmacodynamics caused by classes of drugs. This lecture will enable the provider to recognize potential problems, provide appropriate supportive care, and realize that there are few "antidotes."

Conference Schedule - Sunday, February 28, 2010

Differential Diagnosis of Chest Pain

Constellation E

David Adler, NREMT-P

EMS providers see a great many patients with the chief complaint of chest pain. Some of these complaints are minor, but others require emergent field treatment, percutaneous coronary intervention, or thrombolysis. We must be able to rapidly identify that subset of patients who are most at risk, but many clinicians have difficulty doing so due to the wide differential diagnosis. By the conclusion of this lecture, attendees will be familiar with the various etiologies and presentations of chest pain and physical exam techniques specific to chest pain, as well as electrocardiographic signs of the real deal!

Pulling Off an On-Campus Disaster Drill

Constellation D

John Barrett, EMT-P; Andrew Petrilli

Most collegiate EMS services have rosters full of new EMT's that know the words triage and disaster but have little or no practical experience in dealing with either. This session will detail the steps to pulling off an on-campus disaster drill and what is needed to do so. The session will also address START Triage and, the newer, SMART System that is being adopted by services around the world. The objective is to encourage collegiate EMS services to hold drills to assure their members are ready if a large scale event happens on their campus.

Emergency Communications

Constellation C

Brian R. Brauer, MEd, RN

This sessions will focus on the different factors effecting communication in an emergency. By the end of the session, the attendee will understand how to package information within a message and be able to craft a message to employees, the public, and patients in an emergency situation.

Electronic Control Devices (Tasers)

Columbia

Jason D. Adler, MD

The taser is an electronic control device, considered less than lethal, which is used to subdue violent or agitated individuals. The use of this device has led to a controversial debate about its overall safety. In order to better understand this debate, one must appreciate excited delirium syndrome.

Crash! What to Do When a Plane “Lands” on Campus

Frederick

Andres J. Bermudez Hallström

It may appear at first glance that aircraft emergencies are unlikely to happen, but in 2008, there were 1,559 accidents involving general aviation aircraft, that is more than the annual average of 1,400 college students who die from alcohol poisoning! College campuses are full of open spaces that are ideal for landing a small plane. As college-based first responders, it is incumbent upon us to learn to react to these incidents safely and effectively. This presentation will cover initial response to a small aircraft crashing on campus, the unique risks to crew and patient safety, mechanisms of injury, and effective extrication.

Roundtable Discussion

Baltimore

Implementing Community CPR and AED Programs

Regina Arnold, MS, NREMT-P; William Fritz, NREMT-P

This final roundtable discussion of the weekend will be devoted to the benefits and challenges of implementing community heart safe programs involving CPR and AED training for the public and will aid collegiate EMS squads in developing such programs.

Conference Schedule - Sunday, February 28, 2010

Skills Workshop

Annapolis

Airway Management for the EMT-B

Fred Ellinger, Jr., NREMT-P

Building on topics covered in Airway Management for EMT-Basics students will receive demonstration and instruction of the proper use of the devices. Students will receive adequate hands-on practice time using airway management trainers, lung simulators, and human patient simulators to create lifelike experiences for students.

** Limited to the first 25 participants. Sign up at the registration table starting Sunday morning.

12:00 pm - 12:45 pm Conference Wrap-up

Constellation A

Join the NCEMSF leadership as we review the highlights of the weekend. Take advantage of this final opportunity to network with your regional coordinators and your new-found friends from across the country. Future conferences rely on your feedback, so we will be all ears for your comments. We hope that you leave this conference energized, and we look forward to hearing about your progress throughout the year through the regional coordinator network and in future editions of *NCEMSF News*.



More About Baltimore's Neighborhoods

Downtown - Downtown includes City Center, the Inner Harbor, West Side, and Camden Yards. This is the core of Baltimore City. Camden Yards is home to both the Baltimore Orioles (Oriole Park) and the Baltimore Ravens (M&T Bank Stadium). City Center includes historic Charles St. and its famous Market Place that is home to many businesses. West Side includes University Center, home to the University of Maryland Medical Center and R Adams Cowley Shock Trauma Center

Little Italy - Immediately east of downtown is Little Italy known now for its over 20 amazing restaurants and dessert establishments in a 12 square block area. It is within walking distance from Fell's Point, Camden Yards, and the Inner Harbor. Borders include Pratt St. to the north, Eden St. to the east, the Jones Falls Bulkhead to the west, and the Inner Harbor to the south. **How to get there:** Follow Pratt St. east past the Inner Harbor until you reach Albemarle St. Make a right.

Fell's Point - Just past Little Italy is Fell's Point, a historic waterfront community once the chief Colonial shipbuilding center that is now known for its craft and antique shops, coffeehouses, restaurants, great pubs, and nightlife. Fells Point is bounded by Gough St. to the north, Caroline and Chester Sts. to the west and east, respectively, and the Chesapeake Bay to the south. **How to get there:** Follow Pratt St. east past the Inner Harbor. Make a right onto President St. Turn left onto Fleet St. and then take a right onto Broadway. Head south until you hit the Market Square.

Mount Vernon - Mount Vernon, one of the city's loveliest neighborhoods, is a National Registry Historic District Its chief feature is a park of shrub-lined lawns and flowerbeds, laid out in the form of a cross. The 178-foot tall monument to George Washington stands at the Park's center. Mount Vernon is also home to the Peabody Institute, the Walters Art Gallery, the Enoch Pratt Free Library and the Charles Movie Theatre. **How to get there:** Follow Pratt St. east towards the Inner Harbor. Take a left on Charles St. and head north until you hit the Washington Monument. Amtrak's Baltimore Penn Station and Johns Hopkins University's Homewood Campus are both slightly farther north on Charles St.

Getting Around Baltimore / Important Contact Information

If you drove to the conference, we recommend parking and leaving your vehicle until you are ready to depart. Driving around and parking in Baltimore can be confusing and costly - even with GPS! We strongly recommend walking, taking a taxi, or utilizing public transportation. (NOTE: Self-parking at the Hyatt Regency for overnight guests is \$27/day and valet-parking is \$36/day. Rates include unlimited in/out privileges).

Baltimore is a very walkable city and the host hotel is conveniently located close to most attractions - just be sure to walk in groups and stay in well-lit areas.

Taxis - Reasonably priced taxis will take you pretty much anywhere in the area and are available 24 hours a day. Hail an available taxi on the street or call to arrange a pickup. A flat rate applies if you are traveling to/from BWI Airport. Amtrak's Baltimore Penn Station is a short cab ride away from the host facility too.
Yellow Cab Taxi Service: (410) 685-1212

Public Transportation - The Maryland Transit Authority (MTA) operates buses that run all over Baltimore. There are maps located at each bus stop with routes and bus numbers. There is a LIGHTRAIL System that runs along Howard St. and offers service to Amtrak's Baltimore Penn Station and BWI Airport. There is also a Downtown Area Shuttle available (DASH). For more information, visit the Trip Planner at <http://mta.maryland.gov/transit> or call the MTA Information Center at (410) 539-5000 or toll free at (866) RIDE-MTA.

Transportation:

MTA (Public Transportation)	(410) 539-5000
AMTRAK (Train)	(800) USA-RAIL
Greyhound (Bus)	(800) 231-2222
BWI Thurgood Marshall Airport	(800) I-FLY-BWI
SuperShuttle (Airport Shuttle)	(800) BLUEVAN

Host Facility:

Hyatt Regency Baltimore	(410) 528-1234
300 Light Street, Baltimore, MD 21202	

Dining - Lunch and Dinner Options

After a full morning, take a break to refuel, but hurry back because the afternoon schedule is even more jam packed! With just over an hour to spare, we recommend one of the **two Harborplace foodcourts** (either in The Light Street Pavilion or The Gallery) or the hotel restaurant - Bistro 300.

For dinner, we encourage you to venture out of the hotel and grab a bite in either the Inner Harbor or PowerPlant Live areas. If you desire to explore farther, head to Little Italy or Fells Point. Whatever you choose for dinner though, make certain to return to the Hyatt and join the party at the **NCMSF Club & Casino!**

Inner Harbor www.harborplace.com	La Tasca Spanish Tapas (410) 209-2562	McDonalds Moun Wok New York Deli Phillips Seafood Express Roman Delight Saladworks Sbarro Subway Thai Noodle Bowl Turkish Kabob & Taco Place	Bars/Clubs/Entertainment Angels Rock Bar - Nightclub, Lounge, Live Music (410) 528-1999 Havana Club - Cigar Bar (410) 468-0022 Howl at the Moon - Rock n' Roll Dueling Pianos (410) 783-5111
Brown Sugar Southern BBQ (410) 539-4227	M&S Grill (410) 547-9333		
Cheesecake Factory (410) 234-3990	Oasis (410) 727-1329		
Edo Sushi (410) 843-9804	Phillips Seafood Restaurant (410) 685-6600		
ESPN Zone (410) 685-3776	Tir Na Nog Restaurant and Irish Bar (410) 483-8968	Powerplant Live! www.powerplantlive.com The premier entertainment, dining and retail at 34 Market Place. Energy flows from restaurant to bar to disco to comedy club.	Luckie's Tavern - Sports Bar, Live Music (410) 499-4410
Five Guys Burgers and Fries (410) 244-7175	Uno Chicago Grill (410) 625-5900		Mosaic - Dance Club (410) 262-8713
Hard Rock Café (410) 347-7625	Vaccaro's Italian Pastries (410) 547-7169	Restaurant Row MEX (410) 528-0128	Rams Head Live! - National & Local Music Acts (410) 244-1131
Hooter's of Baltimore (410) 244-0367	Food Court Includes Barker's Frozen Custard Ben & Jerry's Chicken Gourmet Fudgery Jasmine Smoothie Marble Slab Creamery	Mondo Bondo Italian Bistro (410) 244-8080	
J. Paul's (410) 659-1889		Ruth's Chris Steal House (410) 783-0033	
Johnny Rocket's (410) 347-5757			

Map of the Inner Harbor



Coming Early? Staying Late?

For those spending some extra time in Baltimore either pre- or post-conference below are a few of the dozens of attractions in and around the city.

EMS Points of Interest:

Baltimore City Fire Department - John F. Steadman Fire Station - Located at the corner of W. Lombard and S. Eutaw Sts. the Fire Station is one of the largest in the United States housing over 15 active pieces of apparatus and a shift of 21 employees. The station opened on September 11, 1973 and is named after beloved Deputy Chief John F. Steadman, a 27 year veteran of the Department, who died while giving a report to the fire board on March 7, 1940.

Maryland Institute for Emergency Medical Services Systems - Located at 635 W. Pratt St., MIEMSS coordinates the statewide EMS network that includes volunteer and career EMS providers, medical and nursing personnel, communications, transportation systems, trauma and specialty care centers, and emergency departments. Within MIEMSS is the Emergency Medical Resources Center (EMRC) that coordinates consultations between medic units and hospital physicians and the System Communication Center (SYSCOM) that coordinates all State Police Med-Evac missions.

The R Adams Cowley Shock Trauma Center - R Adams Cowley is considered the father of trauma care and gave the world the concept of the Golden Hour. Only a few blocks from the hotel, the Shock Trauma Center is the nation's only Trauma Hospital and is dedicated to treating the severely injured and employing groundbreaking research and innovative medical procedures with one goal in mind - saving lives. It is the core element of the state's emergency medical system and serves as the state's primary adult trauma clinical resource center.

Brief History of Baltimore City Fire Department:

The Baltimore City Fire Department provides both Fire and EMS services to the entire city, an area of approximately 81 square miles. BCFD is made up of seven divisions, including Communications, Training, Fire Suppression, and, of course, EMS.

The EMS division of BCFD was founded in 1927 when five ambulances were placed in service. Since then, engine and ambulance crews have provided care to countless Baltimoreans. Today, BCFD's 22 medic units receive an average of more than 235,000 calls per year, and treat patients with varying illnesses, trauma, substance abuse, and other medical emergencies.

In 2004, Buena Vista Pictures released *Ladder 49*, a movie about a Baltimore City Firefighter. Be sure to watch for some familiar sights in the movie!

Historical Sites:

Ft. McHenry National Monument and Historic Shrine - Location where Baltimoreans defeated the British in 1814, inspiring Francis Scott Key to write the "Star Spangled Banner." Also see the **Flag House and Star-Spangled Banner Museum** (844 E. Pratt St.) 2400 E. Fort Ave; (410) 962-4290

Baltimore Civil War Museum - The restored President Street Station, built in 1849, was first a stop on the Underground Railroad. On April 19, 1861 it became the site of the first casualties of the Civil War. Also see the **U.S.S. Constellation** - the last surviving ship of the Civil War, and the last all-sail ship built by the U.S. Navy - located at Pier 1 in the Inner Harbor. 601 President St; (410) 385-5188

Baltimore Basilica - The Nation's oldest Catholic cathedral. 408 N. Charles St.

Museums:

Baltimore Museum of Art - The museum holds the second largest publicly displayed collection of Andy Warhol's work. Other artists whose works on display include van Gogh, Renoir, Matisse and Picasso - to name a few. 10 Art Museum Dr; (410) 396-7100

Babe Ruth Birthplace Museum - Visit the Babe's home, which celebrates his Baltimore roots and displays his boyhood bat and other artifacts. It is also the official repository of Orioles team memorabilia. Also see **Sports Legends at Camden Yards** (301 W. Camden St.) 216 Emory St; (410) 727-1539

The Baltimore and Ohio (B&O) Railroad Museum - Featuring a large collection of locomotives that visitors are welcome to climb aboard and inspect. 901 W. Pratt St; (410) 752-2490

Maryland Science Center and Imax Theater - Exhibits include *Dinosaur Mysteries*, *Follow the Blue Crab*, *Newton's Alley* and *Your Body*. Current Imax features include *Happy Feet* and *Grossology: The (Impolite) science of the Human Body*. 601 Light St; (410) 685-5225

The National Aquarium in Baltimore - Exhibits include *Animal Planet Australia*, *Wild Extremes*, and *Frogs! A Chorus of Colors*. Pier 3, 501 E. Pratt St; (410) 576-3800

Presenter Bios

Benjamin N. Abo, NREMT-P

Ben started EMS exactly 13 years ago as an EMT-B in Mt Laurel, NJ. He is the former Coordinator of Education and International Emergency Medicine at the Center for Emergency Medicine and the University of Pittsburgh. Despite now being a DO/MPH candidate at Touro University College of Osteopathic Medicine - California, he remains active domestically and internationally in emergency medicine which includes being a paramedic team leader for Rock Medicine and paramedic for the Pittsburgh-based Disaster Medical Assistance Team (DMAT PA-1).

David Adler, NREMT-P

David Adler is currently a University of Pennsylvania police officer. He has over eighteen years of public safety and law enforcement experience. He is an experienced investigator with command experience in a multi-agency Narcotics Task Force charged with conducting complex investigations. Additionally, he is a command-authorized paramedic with experience in advanced life support and critical care who is actively involved in teaching CPR and continuing medical education courses to healthcare and police professionals, businesses and the community. He is also an instructor for Pennsylvania EMT-B and EMT-P courses. He is an experienced tactical paramedic accustomed to practicing in austere military and police settings and an innovative firearms instructor experienced with multiple weapons platforms.

Jason D. Adler, MD

Dr. Adler is a senior resident in the Department of Emergency Medicine at the University of Maryland Medical Center. He attended The George Washington University for college and medical school. His academic interests include EMS, excited delirium syndrome and the use of electronic control devices.

Shad U. Ahmed

Shad Ahmed is the Director of the National Institute for Public Safety Research and Training and currently serves as Chief of Emergency Medical Services and Emergency Management Coordinator for the University of Rhode Island. He is Principal Investigator on over \$2M in concurrent federal research and other grant projects, including a project to develop an official DHS FEMA national series of courses for emergency and mass evacuation planning for institutions of higher education. Cmdr. Ahmed is on the Editorial Advisory Board for College Planning and Management and Campus Safety and has published articles in national periodicals in public safety and emergency management. He is a FEMA-trained instructor in the National Incident Management System Incident Command System and various other topics such as Weapons of Mass Destruction. Cmdr. Ahmed was awarded a citation by the Rhode Island Board of Governors for Higher Education in 2003. He serves as Vice President of the Board of Directors for the Greater Washington County Regional EMS Council.

Regina Arnold, MS, NREMT-P

Regina Arnold is a Penn State and NCEMSF alumnus. She is the American Heart Association Training Center Coordinator and Adjunct Assistant Professor in the Department of Emergency Medicine at the George Washington University School of Medicine and Health Sciences. She serves in leadership positions for the Sudden Cardiac Arrest Association, National EMS Educators Research Committee and

the Penn State Alumni Interest Group. She still works actively as a paramedic in the greater Philadelphia region.

John Barrett, EMT-P

John Barrett is Director of Operations for NuCare Carolina Ambulance Service in Winston-Salem, NC. He is also EMS Advisor for Wake Forest University Emergency Response Team. He has been active in the EMS community for over 25 years and has a special interest in school system disaster preparedness. He has written and presented nationally on the topic of emergency preparedness.

Darrin M. Batty, EMT-P, NCEE

Darrin Batty is a 23 year veteran paramedic, firefighter, and EMS educator. He currently serves as EMS Program Director for Rochester Fire Department and is an expert in hazardous materials, WMD, and explosives. Mr. Batty has been an educator for over 15 years, and promotes student-centered learning.

Andres J. Bermudez Hallström, JD

First Lieutenant Andres Bermudez Hallström is currently a Ground Team Leader, Rated Aircrew member, and Air Radiological Monitor with the Civil Air Patrol/USAF Auxiliary. He is a graduate of Carnegie Mellon University and Pace University School of Law. His applications for admission to the New York State and District of Columbia Bars are currently pending. In a past life, he was a Member and Operations Manager of Carnegie Mellon University EMS.

Matthew E. Bisgaier, NREMT-P, NCEE

Matt has been involved with EMS for 8 years. While attending Penn State, he worked as an EMT with the school's University Ambulance Service, serving as QI Chair and Training Officer. In what he refers to as "the lost year," Matt attended paramedic school while still enrolled as a full-time Penn State student. He currently works in EMS training for the Loudoun County, Virginia Department of Fire, Rescue, and Emergency Management and serves as the clinical coordinator for the department's EMS training programs.

Brian R. Brauer, MEd, RN

Brian Brauer has been involved in EMS for nearly twenty years as a paramedic, field training officer, and PreHospital Registered Nurse in the Champaign-Urbana, Illinois area. He has also has an extensive background in the fire service, currently volunteering as the Operations Captain with the Edge-Scott Fire Protection District. He is an Illinois Certified Firefighter-III and Instructor III. He is currently the Assistant Director of the University of Illinois Fire Service Institute and the faculty advisor for Illini EMS. He holds a BS in Nursing and has worked as an emergency department nurse and Trauma Nurse Specialist. He has earned a Master's Degree in Education focusing on human resource development and is completing coursework towards a Ph.D. in Education. His research focus is on how emergency responders make decisions based on differing value systems.

Nicholle Brock, NREMT-P

Nicholle is a firefighter/paramedic with the City of Atlanta Fire Rescue Department in Atlanta, Georgia. She recently published Principles of ALS Care, the nation's first-ever comprehensive study guide designed to aid students preparing for the National Registry exam. The study guide

Presenter Bios

also serves to increase both students' and providers' knowledge and understanding of patient care - copies available for purchase and autograph.

Frank A. Caria, MPA, CHC, AEMT

Frank has been active in EMS for 14 years as both an ALS & BLS Provider and served more than 7 years as Rescue Officer for the Dix Hills F.D., NY. He developed Dix Hills' QA Program and revamped its CME system. While under his command, the organization received the NY State EMS Agency of the Year Award. He earned his Masters Degree in Public Administration in 2003. He obtained his BA from Muhlenberg College, PA, where he also served as the Founder and Captain of its EMS program. He is currently employed as the Compliance Officer for the South Shore Association for Independent Living, in Nassau County, NY where he oversees its Compliance Program and Quality Assurance Department. He recently obtained his National Certification in Healthcare Compliance.

Timothy Chizmar, MD

Dr. Chizmar is a senior resident in Emergency Medicine at the University of Maryland Medical Center in Baltimore. Prior to starting his residency, Dr. Chizmar was certified as a Maryland EMT-B in affiliation with the Bel Air Volunteer Fire Company, where he continues to ride as an active EMS member. He maintains an interest in pre-hospital education, and has worked with paramedics and paramedic students at the University of Maryland, Baltimore County and Community College of Baltimore County programs, respectively.

Jon Cooper, EMT-P

Jon Cooper has been licensed as a paramedic for 34 years and spent the majority of that time as an urban Paramedic. He has been with the Baltimore City Fire Department for 17 years with the last 8 years assigned to the Fire Training Academy.

David T. Efron, MD, FACS

Dr. Efron is an Assistant Professor of Surgery and Anesthesiology & Critical Care Medicine at Johns Hopkins. He is the Director of Trauma and Chief of the Division of Trauma and Surgical Critical Care in The Johns Hopkins Hospital Department of Surgery. He is also the Medical Director of the Parenteral and Enteral Nutritional Support Service. He graduated from Brown University in 1990 with an undergraduate degree in Biology and subsequently remained in Providence, Rhode Island to attend the Brown University School of Medicine, graduating in 1994. Dr. Efron completed his Surgery residency training at the Johns Hopkins School of Medicine from July 1994 to June 2002. From July 2002 to June 2003, Dr. Efron functioned as an Assistant Chief of Service at the Johns Hopkins Hospital and received a certificate in Advanced Specialty Training in Gastrointestinal Surgery under the tutelage of Dr. John L. Cameron. In July 2003, Dr. Efron continued his training with a year as a Surgical Critical Care fellow at the Johns Hopkins Hospital. He is certified by the American Board of Surgery in both the fields of Surgery and Surgical Critical Care.

Fred Ellinger, Jr., NREMT-P

Fred Ellinger, Jr. has been active in EMS for over eighteen years, fourteen of those years at the EMT-Paramedic level. He is currently the ALS Program Manager for Em-Star

Ambulance Service (Philadelphia, PA). In addition he serves as a Flight Paramedic for MidAtlantic MedEvac/Hahnemann University Hospital (Philadelphia, PA). He is the owner/operator of SafeTec Training Services, an EMS/healthcare training company and is the Regional Course Director for the world renowned Difficult Airway Course: EMS (www.difficultairway.net; www.theairwaysite.com). He is an original/active Medical Specialist with the Pennsylvania Urban Search and Rescue Response System's PA-Company 2 and the Bucks County Technical Rescue Task Force. He has presented at numerous local and regional sessions and conferences and has articles published in several EMS and rescue trade journals.

Mark E. A. Escott, MD, MPH, FAAEM

Dr. Escott co-founded Rice University EMS in 1995. He completed his undergraduate degree at Rice University in 1996. He was the EMS Director and Adjunct Professor in Human Performance & Health Sciences at Rice from 1996 through 1999. He earned his medical degree from Flinders University in Adelaide, Australia and an MPH from the University of Texas Houston School of Public Health. He currently serves as Assistant Professor of Emergency Medicine and Medical Director for EMS Special Operations for Penn State Milton S. Hershey Medical Center.

Mark Forgues, MEd, EMT-P

Mark Forgues is Director of Medical Resources Group, LLC, an EMS consultation company, as well as American Heart Association National and International Faculty. He is also the technical director for Massachusetts Institute of Technology EMS. His over 25-year career in EMS has included experience in Massachusetts, Maine, and New Hampshire. He holds a masters degree in education from Fitchburg State College, and is a certified teacher. He is highly active in the EMS education community, regularly teaching EMT-Intermediate, paramedic, BLS, BTLS, PALS, and ACLS classes.

William Fritz, NREMT-P

William Fritz is an NCEMSF alumnus who currently works as the PALS and ACLS Training Coordinator at the George Washington University American Heart Association Training Center. He is an active paramedic with both adult and pediatric critical care experience. He is also active in rural EMS educational initiatives and policy-making.

Samuel M. Galvagno, Jr., DO

Maj Sam Galvagno, DO, has been involved with prehospital care for over 17 years. Before obtaining his medical degree in 2000, he served as an EMT, EMT-P, and National Ski Patrolroller in Maryland, New York, and Pennsylvania. The author of the textbook Emergency Pathophysiology, Dr. Galvagno has taught numerous EMT, ACLS, PALS, and paramedic classes in both the civilian and military sectors over the past 10 years. He is currently an Assistant Professor, attending intensivist, and anesthesiologist at Johns Hopkins Hospital in Baltimore, MD. He is also currently the Director of Critical Care Air Transport Team (CCATT) Operations at the 459th ASTS, Andrews Air Force Base, MD.

Eric M. Garrison, MAEd, MSc, DLSHTM, CSC

Though Eric Marlowe Garrison has been invited to address NCEMSF conferences since 2004, his ties to emergency services go back more than one hundred years. His great-

Presenter Bios

grandfather held concurrent positions as a fire and police chief in Radford, VA, and Eric's grandfather helped build the first steel fire engine in the same town. In the areas of sexual assault and intimate partner violence prevention, Eric has devoted two decades training EMS providers, police, firefighters, doctors, medical students, Greek Letter Organizations, and college athletic teams around the world - from Oxford, Mississippi, to Oxford University. As a consultant sexologist with international acclaim and a best-selling sexual advice book under his belt, Eric has also presented on sexuality and healthful relationships to countless universities with NCEMSF membership. Because of his outstanding reputation as a dynamic speaker and his consistently high evaluations with our attendees, we have invited Eric back for two more presentations on Saturday. If you see him around the hotel, please introduce yourself; he loves hearing from our members. You also can find out more about him or invite him to speak to your university and crew through www.ericmgarrison.com.

Erik S. Gaull, CEM®, CPP®

Erik Gaull is an independent consultant and educator specializing in public safety, homeland security, and corporate security. He is a Certified Emergency Manager®, a Certified Protection Professional®, a NREMT-P, a National Board on Fire Service Professional Qualifications-certified Fire Officer III and Fire Instructor III, a hazardous materials technician, and a law enforcement officer. In addition to completing the Program for Senior Executives in State and Local Government at Harvard's Kennedy School of Government, Erik has a Master of Business Administration from Georgetown University, a Master of Public Policy from Georgetown University, and a BA in Urban Studies from Columbia University. Erik maintains appointments as an Adjunct Assistant Professor in the George Washington University Medical Center Department of Emergency Medicine and as an Adjunct Instructor at the National Fire Academy. In 2009, Erik was appointed to the U.S. Department of Homeland Security Science and Technology Directorate's First Responder Research, Development, Test and Evaluation Coordinating Working Group.

Douglas Gilbert, DO

Dr. Gilbert is a 2006 graduate of the Philadelphia College of Osteopathic Medicine and is completing his residency in Emergency Medicine at Johns Hopkins this year. He has over 20 years experience as an EMS provider in both military and civilian EMS systems.

Robert M. Henderson, Jr., MS, NREMT-P

Bob Henderson has been involved in emergency services since the age of 13, when he joined the Civil Air Patrol. He became an EMT-A in 1979, an IV Technician in 1980, and a Maryland Cardiac Rescue Technician in 1981. He attained both national and state certification as a Paramedic in 1990. Bob is currently an active member of the Abingdon Fire Company in Harford County Maryland. He earned his Associate in Applied Science degree in Emergency Medical Technology from Essex Community College, a Bachelor of Science degree in Emergency Health Services Management from the University of Maryland, Baltimore County, and recently completed a Master of Science degree in Emergency Health Services Education, with a Certificate in Instructional System Design, also from the University of Maryland, Baltimore County. Bob

began his education career first as a part-time EMT instructor with the Maryland Fire & Rescue Institute in 1988. He joined the faculty at the Community College of Baltimore in Baltimore City in 1988, eventually rising from faculty to program director. In 1993, Bob was hired by Essex Community College to be the program coordinator for the Emergency Medical Technology Program, a position he currently holds today. Bob is a member of the National Association of EMS Educators (NAEMSE), and is the MIEMSS Region III Advisory Council's education representative.

Timothy Kiedrowski

Timothy Kiedrowski comes from a very proud Polish family and is a college graduate of Notre Dame College with degrees in Public Relations, Communications and a minor in Marketing. Timmy currently works at Kiedrowski bakery in Cleveland, and volunteers many hours of his time to serve as the Director of Public Affairs for the SCAA Northeast Ohio Chapter, which he founded. Timmy is a survivor of sudden cardiac arrest. At the age of 18, he was diagnosed with Arrhythmogenic Right Ventricular Dysplasia. As he was playing softball, Timmy went into ventricular tachycardia and collapsed. After 25 minutes of being in v-tach, Timmy was shocked at the hospital and brought back to a normal rhythm. He now has an implanted defibrillator. Timmy and the NE Ohio Chapter continue to work together to stop the effects of cardiac arrest by offering free physicals that provide echocardiograms and electrocardiograms, and he vows not to stop fighting for the cause of SCA prevention.

Kurt Krumperman, MS, NREMT-P

Kurt Krumperman is Clinical Assistant Professor at the Department of Emergency Health Services at the University of Maryland, Baltimore County (UMBC). Professor Krumperman joins the faculty after a 23-year career with Rural/Metro Corporation, the nation's second largest ambulance service provider, where he served as Senior Vice-president for Federal Affairs and Strategic Initiatives as well as leader of the company's disaster response team. On the national level, he has served as the Secretary of the American Ambulance Association, and on the board of the Commission for the Accreditation of Ambulance Services. He is currently on the board of the National Registry of Emergency Medical Technicians. Mr. Krumperman is President of Advocates for EMS, a coalition of four national EMS organizations and other supporting members that advocate in Washington on national Emergency Medical Services. He was recently appointed by the U.S. Secretary of Transportation to serve on the National EMS Advisory Council and serves on the FEMA Advisory Committee. He retains his status as a National Registry EMT-P. Professor Krumperman serves as EHS Management Program Director with primary responsibility for the department's Management Track program and majors. He teaches courses related to EMS service planning, finance, and operations as well as directing student internships.

Benjamin Lawner, DO

Dr. Lawner continues to chase ambulances and wax nostalgic over reruns of the original Emergency! TV show. He obtained his EMT certification in 1994 and completed Broward County Community College's paramedic program in 1997. Dr. Lawner was a founding member of the University of Florida's BLS rescue squad. He worked as a firefighter/paramedic with

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Alachua County Fire Rescue. Dr. Lawner's intensely rooted fear of burning buildings, fire, and suffocating smoke helped to solidify EMS interests. Ben is residency trained in emergency medicine and is currently completing a fellowship in prehospital medicine at the University of Maryland in Baltimore. Dr. Lawner is privileged to serve as the Deputy EMS Medical Director for the Baltimore City Fire Department and Medical Director for the EMT program at the Community College of Baltimore County.

Matthew J. Levy, DO, MSc, NREMT-P

Dr. Levy is part of the Johns Hopkins University School of Medicine, Department of Emergency Medicine faculty. He is also the Medical Director of the Department of Emergency Health Services at the University of Maryland, Baltimore County. He has an active role in Tactical Emergency Medical Services at the local, state and federal levels. He serves as an Associate Medical Director for Howard County (Maryland) Fire and Rescue and is the Medical Director for the Tactical Medical Program. He is affiliated with the Maryland State Police Tactical Medical Unit. He also serves as the Johns Hopkins University Medical Director for the Department of Homeland Security Investigations Tactical Medical Program.

Don Lundy, BHS, NREMT-P

Don Lundy is the Director for the Charleston County EMS in Charleston, South Carolina. He started his career in 1974 and has worked as a dispatcher, paramedic, training officer, supervisor and Director. He is an administrator who still runs calls and touches patients. Don graduated from the Medical University of South Carolina with a BS in Health Care Administration and is currently on the Board of Directors for the National Association of EMTs. He serves as a member of the Department of Homeland Security's Science and Technology EMS sub-committee which is looking at technology "holes" in EMS. He is Past President of the SC EMS Association and past Chairman of the SC EMS Advisory Council. Don is a EMS instructor at the National Fire Academy's EMS program as well as a visiting lecturer at the University of Maryland Baltimore Campus's EMS program.

Amal Mattu, MD

Dr. Amal Mattu completed an emergency medicine residency at Thomas Jefferson University Hospital in Philadelphia, after which he completed a teaching fellowship with a special focus on emergency cardiology. He joined the faculty in emergency medicine at the University of Maryland in 1996. Dr. Mattu is currently Associate Professor and Residency Director in Emergency Medicine at the University of Maryland. He has received more than a dozen teaching awards including national teaching awards from the American College of Emergency Physicians (ACEP) and the American Academy of Emergency Medicine (AAEM). Dr. Mattu's main areas of academic focus are emergency cardiology and geriatric emergency medicine. He has authored the bestselling texts *ECGs for the Emergency Physician Volume 1 and Volume 2*. He served as chief editor for two other popular textbooks, *Electrocardiography in Emergency Medicine* and *Emergency Medicine: Avoiding the Pitfalls and Improving the Outcomes*; and he is co-editor for the AHA/ACEP Textbook of Emergency Cardiovascular Care and CPR.

Scott McLeod

Scott McLeod (EMR, SR-P, BDLS) is a paramedic student from

Canada, with a background in campus based EMS. He helped found a Canadian university's student EMS team in 2004, and spent three years on its Executive Board before moving to an advisory position upon graduation. Since then he has been working closely with a Volunteer EMS Agency doing standby medical response at major city events in Ontario, and helping develop education materials for EMS students everywhere. He is a major supporter of technology in whatever field he's working in, and thinks you should be too. Previously, he completed a Bachelor's in Theatre Production and Management and managed a mid-size theatre in the GTA. He is co-host of Generation Medicine (<http://genmedshow.com>).

Scott A. Mickalonis

Scott Mickalonis is the Deputy Director for the Division of Emergency Management with the Montgomery County, PA Department of Public Safety. He also serves as a paramedic with Trappe Fire Co. EMS. He is certified at the Firefighter 2, Fire Officer 1, and Hazmat Technician levels. He is a 1998 graduate of The Pennsylvania State University with a degree in Health and Physical Education. He served 5 years with Penn State EMS and still works on event staff.

Aaron L. Miller

Aaron Miller is a Mayoral Fellow for the City of New Orleans working on policy research, design, and implementation in emergency medical care and public health. He earned both his bachelors and masters degrees from Tulane University and is slated to complete his doctorate in public health following the completion of his fellowship. He began his EMS experience in 2003 as a member of Tulane EMS (TEMS), where he later served as Interagency Relations (2004-2005), Director (2006-2007), and Supervisor and Head of Continuous Quality Improvement (2008-2009). He was also a member of Disaster Response Team for Hurricanes Ivan, Katrina, Rita, and Gustav and Chief Medical Officer for the Hurricane Gustav Disaster Response.

Michael G. Millin, MD, MPH, FACEP

Dr. Millin is an Assistant Professor in the Department of Emergency Medicine at Johns Hopkins University. He received his medical degree from Rush Medical College in Chicago and completed his residency training at Michigan State University. Upon completion of his residency he did a two year fellowship in Emergency Medical Services and concurrently completed a Masters in Public Health with a focus on health policy. Dr. Millin is the medical director for the BWI Airport Fire and Rescue Department, is the assistant medical director for Region III in the Maryland EMS system (MIEMSS), and serves on the state protocol committee. Dr. Millin is the chair of the standards and practice committee with the National Association of EMS Physicians, and is a member of the expert panel on field triage for trauma with the Centers for Disease Control and Prevention. Dr. Millin got his start in medicine working as a full time ski patroller in Utah, where he was trained as an avalanche rescue technician. He has since served as the immediate past medical director for the National Ski Patrol and is on the editorial board of the next edition of the NSP textbook - Outdoor Emergency Care.

Joshua Moskovitz, MD, MPH

Joshua Moskovitz is a former Chief of the Stony Brook Volunteer Ambulance Corps and helped his group achieve

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New York State Agency of the Year. He is also the former chair of the 2002 NCEMSF Conference in Stony Brook and was an EMT for the NYC EMS system. He is currently completing his residency training in Emergency Medicine at the University of Maryland Medical Center/Shock Trauma Center and has a Masters in Public Health in emergency response and disaster preparedness from the Johns Hopkins Bloomberg School of Public Health.

Mark E. Pinchalk, MS, EMT-P

Mark Pinchalk is a paramedic crew chief with the City of Pittsburgh EMS with over 23 years of experience as a prehospital field provider. He has an extensive background in special operations, research and education. Pinchalk is a Hazardous Material Technician for the City of Pittsburgh and Element leader of the Allegheny County Hazardous Materials Medical Response Team, a Medical Specialist with Pennsylvania Urban Search and Rescue Strike Team 1 and a Rescue Diver with Pittsburgh River Rescue. In addition, he is a bureau Training Officer and an Adjunct Instructor in the University of Pittsburgh Emergency Medicine Program.

Dwight A. Polk, MSW, NREMT-P

Dwight Polk is the Paramedic Program Director at the University of Maryland Baltimore County (UMBC) in Baltimore, MD. In addition to being a fulltime educator, he is a volunteer paramedic and co-author of Jones & Bartlett's "Prehospital Behavioral Emergencies and Crisis Response" and "Law Enforcement Emergency Responder". Dwight has written for JEMS (Journal of Emergency Medical Services), publishing several articles on mental disorders, and he has an interest in behavioral emergencies, suicide, and wellness issues. Dwight has a Master's Degree in Occupational Social Work and is a Crisis Counselor for the Grassroots Crisis Center and two Critical Incident Stress Management (CISM) teams in the Baltimore region.

Ari Rabkin

Ari Rabkin got his start in EMS during high school as a volunteer firefighter/EMT for the Rockville Volunteer Fire Department in Rockville, MD. While in college, he co-founded Case Western Reserve University EMS (CaseEMS) and served in a number of leadership positions including Chief. Prior to graduate school, he spent several years working at a residential treatment center for children and adolescents with serious psychiatric and mental health issues. He is currently a doctoral student in Clinical Psychology at the University at Albany, SUNY, where his research focuses on the long-term effects of childhood maltreatment and family violence on mental health by utilizing measures of psychophysiological functioning and salivary biomarkers.

Patrick M. Reilly, MD, FACS

Dr. Reilly did his undergraduate and graduate work at the University of Notre Dame and Jefferson Medical College. He completed a surgical residency at the Medical Center of Delaware as well as a research fellowship at Johns Hopkins University and a trauma critical care fellowship at the University of Pennsylvania. He currently is a Professor in the Department of Surgery, Program Director of the Surgical Critical Care Fellowship, as well as Vice-Chief of the Division of Trauma and Surgical Critical Care at Penn. He is the immediate past president of the Eastern Association for the Surgery of Trauma.

Robert L. Rogers, MD, FACEP, FAAEM, FACP

Dr. Rogers graduated from Maryland's five-year Emergency Medicine/Internal Medicine residency in 2002. He served as Chief Resident in Emergency Medicine during his last year of training and later served as Chief Resident in Medicine from 2002-2003. He then joined the Emergency Medicine faculty in 2003. Dr. Rogers is currently an Assistant Professor of Emergency Medicine at the University of Maryland and the Director of Undergraduate Medical Education for Emergency Medicine and runs the 4th year elective in Emergency Medicine. He is the Emergency Medicine liaison for the Pathophysiology and Therapeutics course (P&T). He is very involved in medical student and resident education and is lead editor of "Practical Teaching in Emergency Medicine."

Ronald N. Roth, MD, FACEP

Dr. Roth is a professor in the Department of Emergency Medicine at the University of Pittsburgh School of Medicine and Chief of the Division of EMS. He is the Director of the EMS Fellowship at the University of Pittsburgh. Dr. Roth has served as the Medical Director for the City of Pittsburgh Department of Public Safety and the Allegheny County Emergency Operations Center (911) since 2001. He was a member of the Health and Medical subcommittee for the recent G20 summit held in Pittsburgh. He serves as a team physician for the Pittsburgh Steelers. Dr. Roth was the project co-medical director for the EMT-I, EMT-P National Standard Curriculum revision project in 1998. He was named Pennsylvania EMS physician of the year in 2005 by the Pennsylvania Emergency Health Services Council and Collegiate EMS Advisor of the Year 2008-2009 - he serves as faculty advisor for the University of Pittsburgh Student Emergency Medical Services Initiative. During his undergraduate education at Penn State, he attended the first University sponsored EMT course and was a member of the University Ambulance Service.

Ryan Stark, JD

Ryan Stark is an attorney with Page Wolfberg & Wirth, LLC, a nationwide law firm devoted to serving the needs of the EMS community. Ryan handles a wide variety of matters for clients ranging from employment law and healthcare compliance matters, to helping clients deal with liability issues that arise in the EMS industry. Ryan has spoken at several EMS conferences and lectured to EMTs and paramedics in the classroom about a wide variety of legal issues that EMS providers face.

Deborah M. Stein, MD, MPH, FACS

Dr. Stein received her Medical Degree from the Albert Einstein College of Medicine in 1997 and went on to complete a General Surgery Residency at the Long Island Jewish Medical Center in 2002. Dr. Stein then moved to Baltimore, Maryland and completed a one-year Surgical Critical Care and Trauma Fellowship at the R Adams Cowley Shock Trauma Center at the University of Maryland Medical Center and an optional second year of Traumatology Fellowship while she attended the Johns Hopkins Bloomberg School of Public Health and received a Masters Degree in Public Health. Dr. Stein joined the faculty at the R Adams Cowley Shock Trauma Center in 2004 as an Attending Trauma Surgeon and Surgical Intensivist. She is Board Certified in General Surgery with added qualification in Surgical Critical Care and is a Fellow of the American College of Surgeons. In 2006, Dr. Stein became

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the Medical Director of the Neurotrauma Critical Care Unit at the R Adams Cowley Shock Trauma Center, a dedicated 12-bed Intensive Care Unit that admits over 350 patients with severe neurologic injuries each year. In 2009, she was appointed Chief of Critical Care at the R Adams Cowley Shock Trauma Center.

Christopher T. Stephens, MD, MS, NREMT-P

Dr. Stephens was a paramedic in Houston and Galveston before completing medical school and anesthesiology residency at University of Texas. He then completed a fellowship in Trauma Anesthesiology at University of Maryland Shock Trauma Center where he is now an Assistant Professor of Anesthesiology and Director of Education for Trauma Anesthesiology. He is also the Medical Director for Maryland Fire and Rescue Institute.

Graig Straus, RN

Graig "Giddy" Straus is a RN working in the ER at Montefiore Medical Center in the Bronx, NY. He is an active FF/EMT with the Monsey Fire Department and Spring Hill Community Ambulance Corps and has over 10 years of EMS experience. He has been involved with NCEMSF since 2002, when he assisted with the planning of the 9th annual NCEMSF Conference. He is currently pursuing his MSN as a Nurse Practitioner in Emergency Medicine at University of Medicine and Dentistry of NJ's School of Nursing.

Benjamin R. Usatch, MD, FAAEM, NREMT-P

Dr. Usatch has been involved in EMS for more than 25 years serving as a paramedic and now, after attending Jefferson Medical College, as an Emergency Medicine and command physician at The Lankenau Hospital in suburban Philadelphia. He provides medical direction for multiple hospital based and private ambulance services around the Philadelphia area. In addition, he works in policy development as the Montgomery County, PA regional medical director and is involved in EMS education at the local and national level.

John F. Washington

Lieut. John Washington is a nationally recognized Instructor Trainer for the International Police Mountain Bike Assoc. having trained over 1,000 police, security and EMS personnel on bicycles across the U.S. and from 7 foreign countries. He currently commands the 30 officer bike patrol unit at the Univ. of Penn Police Dept. in Philadelphia and works closely with PennMERT. A past Fire Chief and EMS Director of the Franklin Pierce University (NH) Fire Dept. and EMS Squad (1981-83) he maintains active involvement as a Master

Instructor with the Montgomery County (PA) Fire Academy specializing in topics such as special vehicle rescue, hazardous materials and WMDs.

Ian Weston

Brining over 10 years of EMS experience, Ian Weston serves as the Director of the Emergency Medical Services for Children Program house at Children's National Medical Center. Previously, Ian spent 6 years in the health policy arena serving as the Senior Director of Government Affairs & Policy for a health care lobbying and policy firm and a health policy advisor to U.S. Congressman John Sweeney (R-NY). Ian has been a volunteer Firefighter and EMT for the Manhasset-Lakeville Fire Department in Long Island, NY since 1999 and also serves with the Falls Church Volunteer Fire Department in Arlington, VA since 2008. Ian holds a Masters Degree in Public Policy (Global Medical and Health Policy) from George Mason University and received his Bachelor of Arts in Public Policy & Political Science from Syracuse University, where he served 4 years with Syracuse University Ambulance.

James Wilmerding, MS, MEd, EMT-P

Jim began his 25 year education career as a Middle School classroom teacher and continued on as a teaching principal at numerous elementary schools across the South and Northeast US. In 1993, Jim and his family moved year-round to an island off the coast of Maine where he remains active in a variety of educational endeavors. Besides developing educational components for Internet projects, he serves as a Search Associate for a national teacher recruitment, placement and executive search firm. He also assists non-profit organizations in Development efforts and fund raising initiatives. In his spare time, Jim is an active Advanced Life Support certified Emergency Medical Technician licensed at both the state and national levels. He volunteers for a number of rescue services serving his community. He is also a member of the American Red Cross National Disaster Services Human Resources System and is frequently called upon to respond to national disasters around the country.

IN MEMORIAM

John P. Pryor, MD, FACS, MAJ, MC, USAR

Dr. Pryor, a great friend and mentor to NCEMSF, was killed by enemy fire in Iraq on Christmas morning 2008. He was serving his second tour as a combat surgeon with the United States Army. His passion for EMS was cultivated during his undergraduate years at Binghamton University through his involvement with Harpur's Ferry Student Volunteer Ambulance Service. His involvement continued not only through repeated lectures and key note addresses at NCEMSF Conferences, but as an advocate for campus EMS. He was instrumental in the development of the student-run medical emergency response team at the University of Pennsylvania.

Dr. Pryor was a trauma-critical care surgeon at the University of Pennsylvania and the Trauma Program Director for the Trauma Center at Penn. He was an outstanding role model, a gifted teacher, and a talented surgeon. His sudden death, while serving our country as a physician on the battlefield, is a tremendous loss to the collegiate EMS and trauma community.



Richard W. Vomacka Speakers

Alexander Daoud

Alex Daoud is a Supervisor with Emory University Emergency Medical Services in Atlanta, GA. As an NREMT-I, Alex practices on the medical philosophy that one maximizes patient care by combining competent pre-hospital assessment with patient empathy. He has served as both Medical Assistant and Medical Laboratory Manager at the Dayton Medical Center in Sunny Isles Beach, Florida, and has interned at a number of Emergency Departments in Miami-Dade County. Alex is a double-major in Biochemistry and English Literature and plans on attending medical school after college.

Ryan Hay

Ryan Hay is the EMS Director and Co-Founder of DeSales University EMS, a campus-based quick response service located outside of Allentown, PA. He currently serves Northampton County Emergency Management Services as an EOC/Response Staff member and is an active Firefighter/EMT with Nancy Run Fire Department in Bethlehem Township. Ryan is a member of the International Association of Emergency Managers and is a full-time student in his third year at DeSales University pursuing an undergraduate degree in Political Science under the National Security track.

Michael Simons

Mike became involved in emergency services at the age of 15 as a member of the Cooperstown Fire and EMS Explorer Post. He currently serves as the Operations Director and 2nd Assistant Chief of Harpur's Ferry Student Volunteer Ambulance Service on the Binghamton University campus. Since joining Harpur's Ferry in the fall of 2004, Mike has held multiple positions including lieutenant, ambulance replacement committee chair, crew chief preceptor, driver preceptor, and communications coordinator. In addition to Harpur's Ferry, he volunteers with the Cooperstown Fire Department and Emergency Squad (where he serves as EMS

training officer, rescue technician, and interior firefighter) and with the Otsego County Special Operations Team responding to hazardous material and other complex emergencies. Mike has a B.S. from Binghamton University in Human Development and will graduate in May with a B.S. in Nursing. He is pursuing a career in critical care nursing and ultimately wants to become a nurse anaesthetist.

Syracuse University Ambulance

Syracuse University Ambulance is a ALS-equipped student run ambulance service out of Syracuse University. The presentation team includes: **Sandra Bedoya**, **Zack Brown**, **Christina Centore**, **Kali Henn**, **Tim Laughlin**, **Kelsey Palladino**, **Zillah Perez** and **Michael Smith**.

UVM Rescue

Thayer Clark is a junior studying economics at the University of Vermont. Thayer has been an EMT since high school, and joined UVM Rescue in November of 2007. She is currently an EMT-Intermediate, and is one of the squad's Personnel Officers. **Caetlyn Hutchinson** is a junior studying biology at the University of Vermont. Caetlyn is an EMT-Intermediate who joined UVM Rescue in September of 2008; she currently serves as one of the squad's Personnel Officers. **Alison O'Connor** is a senior studying Athletic Training at the University of Vermont; Alison is an EMT-Intermediate, and has been running with UVM Rescue since September of 2007. She currently serves as the squad's Public Relations Officer. Next year, Alison is looking forward to pursuing her M.Ed. at the University of Vermont, and is excited to continue volunteering with UVM Rescue. **Naomi Fener** is a senior studying psychology at the University of Vermont; Naomi is an EMT-Intermediate, and has been an active member of UVM Rescue since October of 2007, currently serving as the squad's Training Officer. Naomi hopes to continue her education next year, ultimately hoping to be a Critical Care Nurse Practitioner.



NCEMSF Leadership Bios

NCEMSF EXECUTIVE BOARD

George J. Koenig, Jr., DO

George Koenig, NCEMSF President, is a second year surgical critical care fellow at The Johns Hopkins Hospital. He completed his general surgery residency at the Mercy Catholic Medical Center in Philadelphia, Pennsylvania in 2008. He earned his Doctor of Osteopathy from The Philadelphia College of Osteopathic Medicine (PCOM) in 2003. He also holds a Masters degree in Biomedical Science from PCOM. In 1996, he graduated from Bucknell University with a degree in Biology and Chemistry. While attending college, he was active with Bucknell's quick response group. He served as President of the Bucknell Emergency Response Team from 1994 to 1996. Dedicated to the advancement of collegiate EMS, he became involved with NCEMSF in 1993 at the first annual conference held at Georgetown University. He served as Vice-Chairman of the Constitutional Committee and Temporary Governing Board from 1995 to 1996. In 1996, he was elected NCEMSF President.

Scott C. Savett, PhD

Scott Savett, NCEMSF Vice President, Webmaster, and Chief Technology Officer, has been involved in collegiate EMS since 1991. His EMS career started at Ursinus College (Collegeville, PA) where he was one of the founders of its EMS response group, Student Emergency Response Volunteers (SERV). Scott received his BS in chemistry in 1994 and immediately enrolled in graduate school at Indiana University-Bloomington. In 1994, during his first year in graduate school at Indiana University Scott founded IU-EMS, an organization dedicated to providing comprehensive pre-hospital education and service. Scott transferred to Clemson University (Clemson, SC) in 1995 to continue his graduate studies in chemistry. He was an active volunteer with the Clemson University Fire Department and EMS (CUFD-EMS), eventually upgrading his level of training to NREMT-I and becoming cross-trained in the fire service. In May 2000, Scott received a Ph.D. in analytical chemistry from Clemson University. Professionally Scott is a senior implementation analyst with the Informatics section of the Integrative Technologies Division of Thermo Fisher Scientific, the leading supplier of Laboratory Information Management System (LIMS) to the pharmaceutical industry. Scott is currently an EMT-Basic in the Commonwealth of Pennsylvania. He actively volunteers with Whitmarsh Ambulance in the Philadelphia suburbs. He also serves on the board of trustees of that organization.

Joshua A. Marks, MD

Joshua Marks, NCEMSF Secretary, is a general surgery resident at Thomas Jefferson University Hospital in Philadelphia, Pennsylvania. He received his Doctor of Medicine degree from Jefferson Medical College in June 2007, and his Bachelor of Arts degree in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998 as a member of both the Volunteer Medical Service Corps of Lower Merion and Narberth (VMSC) and Columbia University EMS (CUEMS). Joshua sits on VMSC's Board of Directors. He previously served as the Corps' Membership Chair and BLS Training Coordinator. While at Columbia, Joshua served as the Chief Medical Officer and Executive Director of CUEMS. Joshua became involved with NCEMSF in 2000 when he attended his first National Conference. He served for three years as the Foundation's

first National Coordinator from 2001 to 2004 before being elected to the Executive Board. Joshua is the 2003 NCEMSF Collegiate Provider of the Year Award as well as the 2003 recipient of the American College Health Association's Lewis Barbato Award.

Michael S. Wiederhold, MD, MPH

Michael Wiederhold, NCEMSF Treasurer, is a healthcare administrator. He completed his pediatric residency at the University of Tennessee Health Science Center in Memphis, Tennessee. He graduated from the University of Arkansas for Medical Sciences with a Doctor of Medicine. He received his Master of Public Health from Tulane University and his Master of Science in Emergency Health from the University of Maryland, Baltimore County. He earned his undergraduate degree from Emory University, majoring in psychology. Michael has been involved in collegiate EMS since 1996. While at Emory, Michael volunteered as an NREMT-I with Emory EMS. While at Emory he also served as Vice-President of CPR @ Emory, an organization designed to provide low-cost CPR training to the community. Dedicated to the advancement of collegiate EMS, he became involved with NCEMSF in 1998 when he was elected Director-at-Large. The next year he was elected Secretary where he served until 2002. Since 2001 he has served as NCEMSF Treasurer.

Mark E. Milliron, MS, MPA

Mark Milliron, NCEMSF Director-at-Large, has been on the NCEMSF Board of Directors since 1995, serving as Chairman of the Constitution Committee and Temporary Governing Board of NCEMSF during its formal organization from 1995 to 1996 and as Treasurer of NCEMSF from 1996 to 1999. He also serves as Collegiate EMS Coordinator for the National EMS Museum Foundation. His collegiate EMS service at Penn State University spanned three decades. He began his involvement at Penn State as an EMT trainee while an undergraduate in 1983. Following service as a U.S. Naval officer, he returned to Penn State as a graduate student and served as an ambulance crewmember and special events staff with University Ambulance Service from 1989 to 2007. During 1993-1994 he founded and served as President of the Penn State student EMS Association, was Supervisor of University Ambulance Service from 1994 through 1995, and founded the Penn State EMS Alumni Interest Group in 1999 and served as the group's President to 2008. He is currently a volunteer Officer-in-Charge, Field Training Officer, and EMT Instructor with Centre LifeLink EMS in State College, PA, is Administrative Coordinator and a search and rescue Field Team Leader with the Central Region Emergency Strike Team, Advisor of EMS Venturing Crew #325, and is the Commander of the Centre County Ambulance Association Honor Guard. He is a full time member of the faculty in the Department of Health Policy and Administration at Penn State. He holds master's degrees in public administration and health policy and administration, and is continuing his education in the graduate program in Homeland Security in Public Health Preparedness through the Penn State College of Medicine.

Eric MaryEa, NREMT-P

Eric MaryEa, NCEMSF Director-At-Large, began working in the healthcare field at the age of sixteen as a volunteer physical therapy assistant at St. Charles Hospital and Rehabilitation

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Center on Long Island. During his freshman year at the University of Delaware, Eric became involved with the University of Delaware Emergency Care Unit (UDECU) and eventually served as the Director of Training and Captain/Coordinator. After graduating in 2003, Eric returned home to New York and enrolled in the SUNY Stony Brook Paramedic Program. Following successful completion of the Stony Brook Paramedic Program, Eric returned to Delaware where he served as a Paramedic within the ranks of the New Castle County Police Department. Eric now works for the Department of Homeland Security and also operates as a paramedic with the Nesconset Fire Department. Eric continues to practice as an EMS Instructor and American Heart Association CPR Instructor.

NCEMSF DIVISION COORDINATORS

Karolina A. Schabses, MPH

Karolina Schabses, NCEMSF Membership Coordinator, has been involved in campus EMS since 1995. While earning her bachelor's degree in biology and health at Cornell University, Karolina volunteered with Cornell University EMS. After she received her degree, she worked as a New York State Critical Care EMT in Ithaca, NY. During and after her undergraduate education, Karolina resided at the Cayuga Heights Fire Department where she served in many roles including firefighter, advanced EMT, company treasurer, and continuing medical education evaluator. Karolina joined the NCEMSF Board in 1998 as Treasurer and has remained Membership Coordinator since 1999. Karolina holds a master's in public health in environmental and occupational health from the Rollins School of Public Health at Emory University. She has worked in both federal and state government as an epidemiologist specializing in infection control and environmental and occupational health research.

Michael T. Hilton, MD

Michael Hilton, NCEMSF National Coordinator, is an emergency medicine resident at the University of Pittsburgh Medical Center. He earned his Doctor of Medicine degree in 2009, from the University of Pittsburgh School of Medicine. He received his Bachelor of Arts degree in History, focusing on American and Urban History in May 2005 from Columbia University. He has been involved with EMS and emergency service since 2000 as a member of the Town of Mamaroneck Fire Department, Town of Mamaroneck/Village of Larchmont Volunteer Ambulance Corps (both located in Westchester County, NY), and Columbia University EMS (CUEMS). While at Columbia, Michael served as the FAST Training Program Coordinator and Chief Medical Officer of CUEMS. At the University of Pittsburgh, Michael has been involved in research with the Safar Center for Resuscitation Research, the lab of the father of CPR, the late Dr. Peter Safar, as well as research of firefighter rehabilitation methods with the Human Performance Lab. He also serves as an advisor to the founders of the Pitt Student Emergency Medical Services (SEMS). Michael became involved with NCEMSF in 2001. He served for four years as the Foundation's New York Regional Coordinator before becoming National Coordinator. Michael is the 2005 recipient of NCEMSF's Website of the Year Award.

Andrew S. Mener

Andrew Mener, NCEMSF Startup Coordinator, is currently a Doctor of Medicine Candidate at The George Washington University School of Medicine and Health Sciences. Andrew

received his Bachelors of Arts degree with honors in Political Science from the University of Pennsylvania in 2007. He has been involved in EMS since 2001 as a member of the Scarsdale Volunteer Ambulance Corps (Scarsdale, NY) and the Volunteer Medical Services Corps of Lower Merion and Narberth (Ardmore, PA) where he served on the Membership Committee and as a BLS Trainer. During 2005, Andrew volunteered overseas in Israel on Magen David Adom Basic and MICU ambulances and participated in an international disaster preparedness training exercise organized by the Israeli government. While at Penn, Andrew founded the Penn Medical Emergency Response Team (MERT). Andrew is the 2006 recipient of the prestigious Robert A. Fox Leadership Award for his commitment to "entrepreneurial, civic-minded, public spirited leadership" and his dedication to collegiate EMS at Penn. He is also the recipient of the 2007 NCEMSF Collegiate Provider of the Year Award.

Daren T. Spinelle

Daren Spinelle, NCEMSF Alumni Coordinator, is a graduate student at The University of South Florida College of Medicine in Tampa, FL (Class of 2010). He graduated from New York Institute of Technology in 2005 with a Bachelor of Science degree in Life Science & Allied Health. Daren then went on to The University of Tampa where he acquired a BA in Government & World Affairs in 2007. Daren began his EMS career as a high school senior in 2000 with the Dix Hills Volunteer Fire Department. In addition to being an active responder, Daren was elected to one term as Rescue Lieutenant and served on the rehabilitation and training committee. Additionally, he has served as a DHFD Junior Explorers Boy Scout Advisor. Daren is the cofounder of The University of Tampa EMS and currently is the Deputy Chief for UEMSA of USF. Daren became involved with NCEMSF in 2005 when he attended his first national conference. Daren served as chair of the NCEMSF Resource Committee in 2006 before joining the Board as the Alumni Coordinator.

Timothy J. McMichael, NREMT-P

Tim McMichael, NCEMSF EMS Week Coordinator, is a 2001 graduate of Juniata College with a BS in Information Technology and Systems. He is currently employed by Microsoft Corporation as a Support Escalation Engineer working on the Exchange Server product. He received his PA EMT-B in 1999 and recently received his NREMT-P.

Robert Fabich, RN

Robert Fabich, NCEMSF Resources Coordinator, is a graduate of Norwich University, the Military College of Vermont, where he received a Bachelor of Science in Nursing in 2007. While attending college, Robert was an active volunteer with the local ambulance service where he was a crew chief and weekend supervisor. He was also instrumental in helping form the college first response squad, Norwich University Emergency Medical Services. Robert is currently an officer in the United States Army and is a Critical Care nurse. He is stationed at William Beaumont Army Medical Center in El Paso, Texas, where he works in the Intensive Care Unit (ICU) and Emergency Department (ED). He is also the Assistant Director of Basic Life Support Programs and an active instructor in BLS, ACLS, and PALS. He maintains a National Registry EMT-Intermediate certification and is a Certified Emergency Nurse (CEN), Critical Care Registered Nurse (CCRN), and Certified Flight Registered Nurse (CFRN).

NCEMSF Leadership Bios

NCEMSF REGIONAL COORDINATORS

Jeffrey J. Bilyk

Jeffrey Bilyk, NCEMSF Canada Regional Coordinator, is the Founder and Former Director of the University of Windsor Emergency Response Team. He has extensive experience in Emergency Services including working as an EMT-B in Michigan, the UWindsor squad, as well as part-time ventures in ambulance and police communication centres. Jeff has also worked as a police officer for some years before returning to the field of EMS as a Paramedic in the province of Ontario. Jeff also has experience in emergency planning and disaster management with the Canadian Red Cross, and now owns his own company, The Bilyk Group, which provides health and safety consulting, risk management consulting, and online education. He has always been a strong advocate for Campus Based EMS in Canada.

Amy Berenbaum

Amy Berenbaum, NCEMSF Central Regional Coordinator, is a student at the University of Pennsylvania and a native of Colorado. She is majoring in Health and Societies with a concentration in Health Policy and Law and minoring in Spanish. Amy hopes to become a lawyer specializing in health law and public policy. She is the Special Projects Director for Penn MERT.

Kathryn Kinzel

Kathryn Kinzel, NCEMSF Massachusetts Regional Coordinator, joined the Mount Holyoke Medical Emergency Response Team (MERT) as a First Responder in February 2005 after completion of the squad-sponsored EMT-B class. She also became certified in her home state of Vermont, where she volunteered with the Montpelier Fire Department. Kathryn was elected Assistant Director of the Mount Holyoke MERT in 2006, and became Director in 2007. During this time she helped to bring new life to the squad, bringing the number of active members up from 14 to a peak of 43, and helped to establish a better relationship between the squad and the Department of Public Safety, College Health Services, and College administration. She was a teaching assistant for the EMT class for two years, and currently holds the all-time record for most hours worked for the squad. Kathryn graduated in May 2008 with a Bachelors degree in Biology, earning high honors in the department. She currently lives in Boston, working as a research technologist at Massachusetts General Hospital, and teaching CPR and First Aid courses for the American Red Cross. In addition, she is working on a Master in Public Health degree at Boston University School of Public Health, concentrating in Epidemiology.

David Weand

David Weand, NCEMSF Mid-Atlantic Regional Coordinator, is an EMS Technician with the Fairfax County Fire & Rescue Department in Northern Virginia. He is certified as an EMT-I and Firefighter I/II. David began his career in EMS in 1996 with the Cedar Run Volunteer Rescue Squad in Fauquier, Virginia and the Vienna Volunteer Fire Department in Fairfax, Virginia. David continued his EMS education with the Virginia Tech Rescue Squad in Blacksburg, Virginia while attending Virginia Polytechnic Institute and State University. He was an active member of VTRS from 2000 through 2004. He volunteered as a driver and then as an AIC. He became certified as a Cardiac Technician and began providing care as

an ALS provider in 2002 - both as a volunteer with VTRS and as a part-time employee with Regional EMS, Inc. in Pulaski, Virginia. He also served as the Membership Committee chairman for a year, followed by two years as the Personnel Lieutenant and a member of the VTRS Executive Board. Upon graduating from Virginia Tech, David was honored with VTRS life membership status.

Joseph Grover

Joseph Grover, NCEMSF Midwest Regional Coordinator, is a Doctor of Medicine Candidate at the Case Western Reserve University School of Medicine. Joseph graduated magna cum laude with Bachelor of Arts degree in Biology and Political Science from Case Western Reserve University in 2007. He has worked in EMS since 1999, when he first became certified as a First Responder for a Boy Scout Explorer Post. He joined the Kensington Volunteer Fire Department (KVFD) in 2001, where he has recently attained the rank of Master Medical Attendant. In 2007, Joseph received the "EMS Member of the Year" award from KVFD. While an undergraduate at Case, Joseph co-founded CaseEMS. In 2007, Joseph organized Case's first ever Mass Casualty Incident Drill, which involved a number of community participants. While in medical school, Joseph has served as both the Vice-President and Co-President of the Emergency Medicine Interest Group.

Eric Pohl

Eric Pohl, NCEMSF New York Regional Coordinator, became certified as an EMT during his first semester in college in 2003. He joined Columbia University EMS in 2004, holding the rank of Crew Chief upon his graduation in 2007. After receiving his B.S. in Chemical Engineering, Eric started his ALS career. He obtained Paramedic certifications through St. Vincent's Hospital - Institute of Emergency Care in New York City in August 2008. Aside from EMS, Eric also performs service as a volunteer firefighter in upstate New York. He is currently employed by the State of New York as an engineer.

Yoni Litwok

Yoni Litwok, NCEMSF Northeast Regional Coordinator, graduated from Brandeis University in 2007 with a degree in Economics. Prior to graduation, he was Clinical Supervisor and Director of Operations of the Brandeis Emergency Medical Corps. After graduating he worked for an investment firm before deciding to pursue a career in medicine and is currently a post-baccalaureate student at Rutgers University.

Stephen Lanieri

Stephen Lanieri, NCEMSF Northern New England Regional Coordinator, graduated from Daniel Webster College in 2008 with a Bachelor of Science degree in Aviation Management. As a freshman, he founded DWCEMS, a student-run and NH licensed EMS service. Steve held the position of Captain/President all 4 years and continues his involvement with DWCEMS as an Alumni Advisor. Steve began his EMS career at 16, volunteering as a cadet on the Branchburg Rescue Squad in his hometown of Branchburg, NJ, and later became an EMT-B at 17. He has become certified in Swiftwater Rescue, Vehicle Extrication, Airplane/Helicopter Rescue, and many levels of ICS, and continues to serve on the rescue squad as Crew Chief. Steve has also been a National Ski Patrolter since 2004 at Pats Peak Ski Area in Henniker, NH. Steve is currently a Communication Specialist/EMT-B with Boston MedFlight at Hanscom AFB in Bedford, MA.

NCEMSF Leadership Bios

Les Polk

Les Polk, NCEMSF Pennsylvania Regional Coordinator, has been involved in EMS since 2004. He graduated from Muhlenberg College in 2008 with a Bachelor of Science in Natural Science with a Minor in Music. Additionally, he has received a Graduate Certificate in Biomedical Sciences from Philadelphia College of Osteopathic Medicine. While at Muhlenberg, Les became involved with Muhlenberg College EMS and served as Infection Control Officer, Secretary, First Lieutenant, and Captain during his college years. He was named Most Improved Member in 2005, Member of the Year in 2006 and 2008, and Life Member in 2008. He remains active in EMS as a EMT-B at Cetronia Ambulance Corps, a regional ALS service. He also serves as a BLS Instructor for St. Clare's Health System and a BLS and PHTLS Instructor for Community Safety Consultants. He serves as a Task Force member of the Pennsylvania Emergency Health Services Council, the statewide independent advisory council for the PA DOH serving on the EMS Education and the Clinical/Field Committees. Professionally, he is employed as the Training and Quality Assurance Coordinator for the NJ Association of the Deaf-Blind, Inc., a non-profit, human services agency.

Noah H. Prince

Noah Prince, NCEMSF Southeast Regional Coordinator, is a medical student at the Eastern Virginia Medical School. After

receiving his Bachelor of Science degree in Biology and Neuroscience in 2008 from Duke University, Noah completed his post-baccalaureate studies at Harvard University, and worked for the neurology department at Children's Hospital Boston. While at Duke, Noah was involved with research aimed at identifying pharmacological treatments for drug abuse. Noah began his EMS career as an EMT in 2004, volunteering for Duke University EMS and the Volunteer Medical Service Corps of Lower Merion and Narberth (VMSC). Noah worked at PRAMUS day camp as Medical Director, and in 2006 obtained NREMT-P certification. While at Duke, he also served as a paramedic for Person County EMS in NC.

Amanda Wong

Amanda Wong, NCEMSF West Regional Coordinator, joined the Santa Clara University EMS as an EMT-B in September 2008. Amanda was named Rookie of the Year for the 2008-2009 academic year. She was also elected as the Conduct Enforcement Officer for the 2009-2010 academic year. Amanda is currently working on two undergraduate degrees: bioengineering and biochemistry. She is also doing research in an organic chemistry lab at Santa Clara University. After graduation (June 2011), Amanda would like to enroll in an MD or MD-PhD program.

Calling all Photographers!

NCEMSF wants your photos from the conference. Before you leave Baltimore, stop by the conference registration table and upload your digital photos to one of the NCEMSF computers. NCEMSF will post the photos online for attendees to assign captions. The photos will be archived on the NCEMSF Web site and presented at future conferences.

Continuing Medical Education (CME) Credit Information *Get Continuing Education Credit for the lectures you attend!*

Because the membership of NCEMSF comes from all across the country, it is exceedingly difficult and cost prohibitive to set up a system where credit can automatically be given for attending a lecture. However, we are able to provide some assistance in obtaining credit for the workshop sessions:

- As you enter a workshop session, swipe your conference ID badge equipped with RFID tag across the RFID reader located by the doorway. The reader light will turn green indicating that your ID has been read and captured. Some workshop sessions and roundtables may use hand-held barcode scanners instead. Please see a room minder to have your attendance recorded in these sessions.
- You must enter within the first 10 minutes of a lecture to receive credit (The RFID reader light will flash red if time has expired).
- Fill out and turn in the conference evaluation form located in your conference folder at the end of the conference.
- Following the conference, visit <http://www.ncemsf.org/conf2010/>. An email will be sent once this utility is available. Please allow up to three weeks post-conference.
- Click on the CME tracking link and enter your email address and NCEMSF password.
- The NCEMSF server will generate and display a personalized PDF file with the sessions you attended including lecture topic, speaker, and duration.
- Print out the PDF document, sign, and submit it along with any other necessary identifiers (address, certification number, date of birth, etc.) to your state's EMS regulatory agency for **credit by endorsement**. Some states may require a copy of this conference program as well.

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Schedule Summary

Friday, February 26, 2010

4:00 pm - 11:00 pm	Conference Check-in	Atrium
6:00 pm - 1:00 am	Physio Control EMS Skills Competition	Maryland suite
6:00 pm - 7:00 pm	How to Make the Most of the Conference Experience	Constellation F
	Roundtable: Advisor/Administrator/Medical Director	Chesapeake
7:00 pm - 8:00 pm	Ask the Experts	Constellation B
8:00 pm - 9:00 pm	Explosives and Bomb Awareness	Constellation CD
	Collegiate EMSLive!	Constellation B
9:00 pm - 1:00 am	Welcome Social	Constellation A

(See next page for Saturday's schedule summary)

Sunday, February 28, 2010

8:30 am - 12:00 pm	ICS for Higher Education	Charles
8:30 am - 9:30 am	Workshop Session 6	
	The Acute Airway: Asthma Exacerbation and Anaphylaxis	Constellation F
	Psychiatric Emergencies in Collegiate EMS	Constellation C
	How Did We Get Here? Was Anyone Here Before?	Constellation E
	Hot Off The Press: The Vital Role of Public Relations	Constellation D
	Habits of Highly Effective Medical Educators	Frederick
	Campus EMS Response to Active Shooter Incidents	Constellation A
	Physio-Control EMS Skills Competition Review	Columbia
9:40 am - 10:40 am	Workshop Session 7	
	Fire and Ice	Constellation A
	Airway Management for EMT-Basics	Frederick
	Cardiac Arrest; A Literature Update	Constellation F
	Emergency Medical Services for Children	Constellation E
	Becoming an Exceptional EMS Educator	Constellation D
	Liability for EMS Providers	Constellation C
	EMS on Bikes	Columbia
	Roundtable: Disaster Preparedness	Baltimore
	Skills: Megacode Resuscitation for the EMT-B	Annapolis
10:50 am - 11:50 am	Workshop Session 8	
	Case Studies in Prehospital Medicine	Constellation A
	Toxicology 201	Constellation F
	Differential Diagnosis of Chest Pain	Constellation E
	Pulling Off an On-Campus Disaster Drill	Constellation D
	Emergency Communications	Constellation C
	Electronic Control Devices (Tasers)	Columbia
	Crash! What to do When a Plane "Lands" on Campus	Frederick
	Roundtable: Implementing CPR and AED Programs	Baltimore
	Skills: Airway Management for the EMT-B	Annapolis
12:00 pm - 12:45 pm	Conference Wrap-Up	Constellation A

See You Next Year!

Thank you for attending this year's conference. We look forward to seeing you next year. Please **fill out your conference evaluation forms** in your conference folders and return the forms to the registration table.

Please also **return your RFID cards** from your conference IDs so that we may recycle them for future years.

Requests for proposals to host the 2011 (February 25-27) conference are available through April 1 at www.ncemsf.org/conf2011

Schedule Summary

Saturday, February 27, 2010

8:00 am - 9:00 am	Group Introductions/Meet & Greet	Constellation AB
9:00 am - 10:00 am	General Session - Advocacy in Washington for EMS and Your Role	Constellation AB
10:10 am - 11:10 am	Workshop Session 1	
	Termination of Resuscitation	Constellation F
	The Intoxicated Patient	Chesapeake
	Crisis Response: More Than Just Psychological Band-aids	Constellation E
	Pediatric Assessment Tips	Constellation D
	Blunt Trauma	Constellation C
	Essential EMS Documentation	Columbia
	Interagency Communication and Collaboration	Frederick
	Roundtable - Startup	Baltimore
	Roundtable - Expanding Your Level of Service	Annapolis
11:20 am - 12:20 pm	Workshop Session 2	
	Noninvasive Monitoring in the Prehospital Arena	Constellation F
	Role of EMS in End of Life Situations	Constellation E
	Controversies in Spinal Immobilization	Constellation D
	Burns	Constellation C
	No Subpoena Unless It's a Subpoena Colada	Chesapeake
	Running a Collegiate EMS Training Program	Frederick
	Sense and Sensitivity	Constellation A
	Getting Out of - The Back of the Bus	Columbia
	Roundtable - Financing	Baltimore
	Roundtable - Recruitment and Retention	Annapolis
1:30 pm - 2:20 pm	Workshop Session 3	
	Richard W. Vomacka Student Speaker Competition	
	Prescription Drug Abuse in American Colleges	Constellation C
	Integrating EMS in Campus Emergency Planning	Constellation D
	Implementing Incident Command on College Campuses	Constellation E
	Training in the Collegiate EMS Environment	Constellation F
	How Last Night's Binge Affects Tomorrow's Call	Chesapeake
	Regional Roundtables	Constellation AB
	Life After Collegiate EMS Panel	Columbia
	Roundtable: Advisor/Administrator/Medical Director	Baltimore
2:30 pm - 3:30 pm	Workshop Session 4	
	Tips & Tricks for the Clinical Side of Event Medicine	Chesapeake
	Hypothermia and Cardiac Arrest	Constellation D
	EMS Mythology	Constellation C
	You Be the Judge : Prehospital Case Review	Constellation E
	Penetrating Trauma	Constellation A
	A+ Quality Assurance	Constellation F
	Handling In-Flight Medical Emergencies	Columbia
	Roundtable: Training	Baltimore
	Skills: How to Ace Your Next Job Interview	Frederick
	Skills: HazMat Table Top	Annapolis
3:40 pm - 4:40 pm	Workshop Session 5	
	Vital Signs: What Do They Really Tell You?	Constellation C
	Traumatic Brain Injury	Constellation D
	Shock	Constellation E
	Public Health and EMS	Frederick
	Pandemic Influenza Planning for EMS Organizations	Columbia
	Tactical EMS	Constellation F
	What is the Size of Your D.O.G?	Chesapeake
	Roundtable: QA/CQI	Baltimore
	Skills: ALS Assist for BLS Providers	Annapolis
4:40 pm - 4:55 pm	Snack Break	
4:55 pm - 6:00 pm	Major John P. Pryor, MD Memorial Lecture	Constellation AB
6:00 pm - 7:00 pm	NCEMSF Leadership Presentation, Business Meeting and Awards Presentations	Constellation AB
7:00 pm - 8:30 pm	Alumni Social and Networking Event	Harborview