

NCEMSF 2012

**The 19th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation**



February 24-26, 2012
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 nineteen 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 and networking with each other. 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 42

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	Michael T. Hilton, MD
Director-at-Large	Les Polk

Division Chairs / Coordinators

Membership	Karolina A. Schabses, MPH
Startup	Andrew S. Mener, MD
Alumni	Joshua E. Glick
Nat'l Coordinator	Stephen J. Lanieri
EMS Week	(AVAILABLE)

Hotel Liaison	Jennifer Siegel
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Regional Coordinators

Canada	Jeffrey J. Bilyk
Central	Ian Feldman
Massachusetts	Kathryn Kinzel, MPH
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Midwest	Joseph Grover, MD
New York	Eric Pohl, NREMT-P
North Central	Katie Egan, RN
Northeast	Yoni Litwok
N. New England	(AVAILABLE)
Pennsylvania	Ryan M. Hay
Southeast	(AVAILABLE)
West	Amanda Wong

About Baltimore - Home of the 2012 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 - Philadelphia, PA
2012 - Baltimore, MD
2013 - Washington, DC - *20th Anniversary!*

Conference Schedule - Friday, February 24, 2012

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 (Photo ID 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 squad) and alumni should identify themselves to receive appropriate ribbons for their badges.

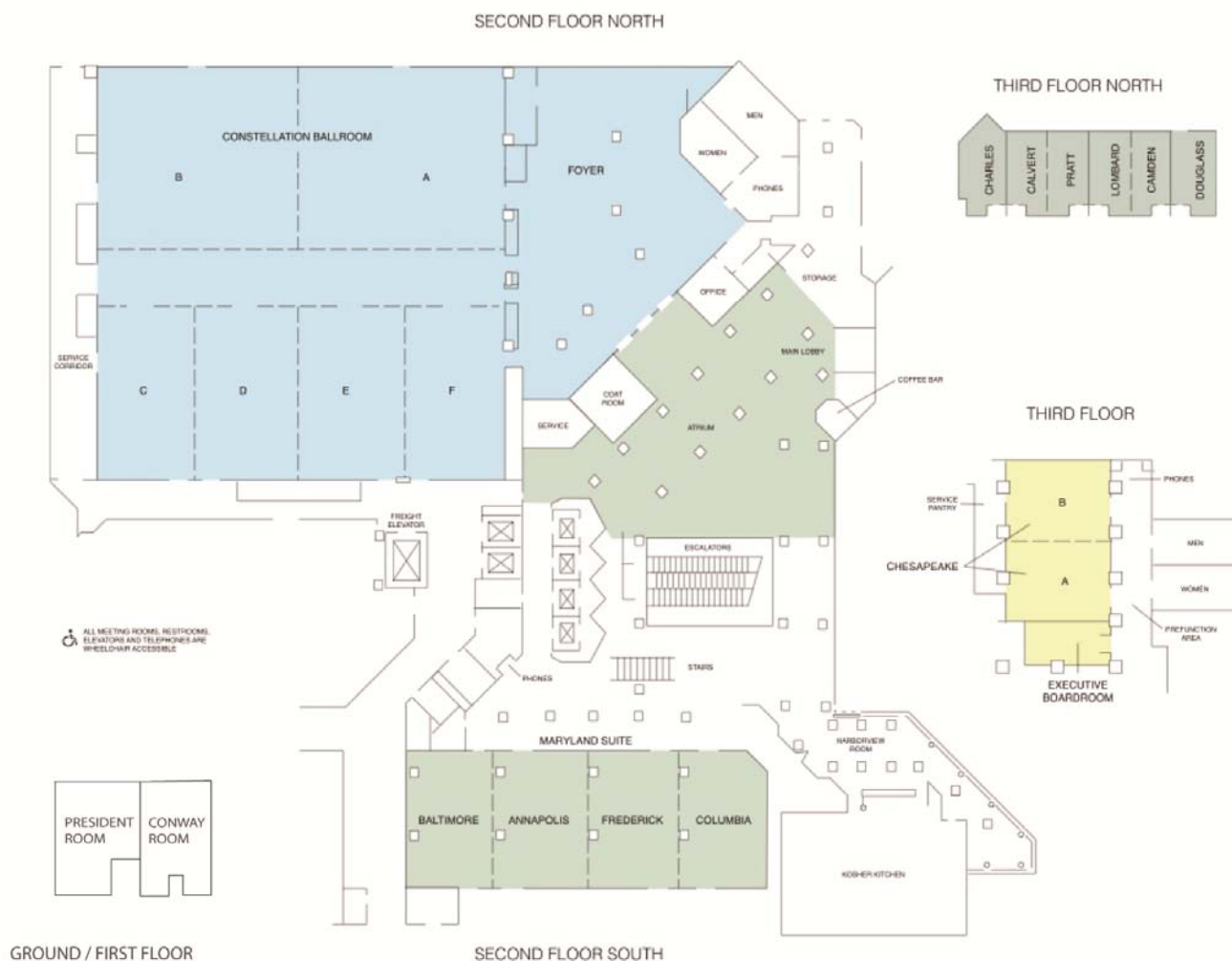
5:00 pm - 10:00 pm *Physio-Control EMS Skills Competition*

Maryland Suite

Pre-registered teams should check-in and pay at the skills competition table to receive their team number, copy of the competition rules, and approximate start time - team numbers and start times are assigned based upon check-in time (non-registered teams may inquire about space availability at the skills competition table). Each team member must check-in and sign the liability release form. Team numbers will be called when the skills judges are ready for the next group.

Top performers will compete in the grand finale - EMS as a Spectator Sport - starting at 11:00PM. Trophies will be presented to the overall winners of this always fun filled competition Saturday evening. The winner of the ALS Competition will go on to represent collegiate EMS at the *JEMS Games* the following week at *EMS Today*. Ask at the skills competition table for more information.

Hyatt Regency Baltimore Floor Plan



Conference Schedule - Friday, February 24, 2012

6:00 pm - 6:50 pm

How to Make the Most of the NCEMSF Conference Experience *Constellation F*
Stephen J. Lanieri, NCEMSF National 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. 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, exhibitors, and educators onsite Saturday and learn more about their products, programs and services in the Atrium/Foyer.

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EMS World Magazine is available to NCEMSF Personal Members free of charge for one year.



The NCEMSF Store

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



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ecoccia@rossu.edu
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St. George's University

www.sgu.edu



Conference Schedule - Friday, February 24, 2012

7:00 pm - 8:00 pm *Workshop Session 1*

✳Situational Awareness

Constellation D

Christopher B. Flanagan, EMT-P

Situational awareness involves being aware of what is happening in the vicinity of an incident and understanding how information, events, and your own actions can impact the outcome of the incident. Lacking or inadequate situational awareness has been identified as one of the primary factors in accidents attributed to human error. This interactive case-based lecture will review the dangers that you may encounter on your campus and provide you with techniques to avert potentially threatening situations.

❖Ready, Set, Go-Team:

Constellation E

Advanced Critical Care Delivered to Your Incident

David A. Vitberg, MD

The Go-Team is a physician-led team that complements Maryland's Statewide EMS System by providing critical care and surgical services that are typically considered beyond the scope of pre-hospital emergency care. Come learn about this unique rescue service which operates in conjunction with the Maryland State Aviation Command. This will be a very dynamic and informative discussion of one of the elite resources that are available to providers throughout the State of Maryland.

☪The Medical Examiner System:

Constellation F

All You Ever Wanted to Know and More

David R. Fowler, MD

This discussion will focus on the medical examiner and coroner death investigation systems. It will highlight the need for teamwork across a broad range of responders in the death investigation process.

8:10 pm - 9:10 pm *Workshop Session 2*

🚗Teenage Follies

Constellation D

Benjamin R. Usatch, MD, NREMT-P

With the widespread influence of the internet and media events like "Jackass," skateboarding from a bumper has been replaced by "the choking game", chemical branding and a mind numbing array of other risk taking behaviors found among today's teenagers. These actions are promoted by a readily available supply of new chemical stimulants as well as familiar agents making a resurgence like PCP and heroine. With these new creative feats comes a range of medical and trauma related issues that the pre-hospital provider of a decade ago could never imagine. This lecture will discuss some of these trends and focus on the medical challenges encountered.

♣Where There's Smoke, There's Fire

Constellation E

Ron Lewis, NREMT-P

"Where there's Smoke there's Fire" is a humorous (to us in the medical field) yet serious look at penetrating and impaled trauma. Geared toward what to do when you arrive and the first thing you think about is, "Uh oh," and the second thought that comes to mind is, "Sure glad that's not me," Capt. Lewis discusses mechanisms and their abilities to influence how we treat and transport these patients rarely seen but in need of immediate appropriate intervention when encountered.

☪Non-Lethal Weapons: EMS Response and Treatment

Constellation F

Carl Bittenbender, MS, NREMT-P, FP-C

Non-lethal weapons are weapons intended to be less likely to kill a living target than conventional weapons. It is often understood that accidental, incidental, and

Conference Schedule - Friday, February 24, 2012

correlative casualties are risked wherever force is applied, but non-lethal weapons try to minimize the risk as much as possible. Non-lethal weapons are used in combat situations to limit the escalation of conflict or where employment of lethal force is prohibited or undesirable or where policy restricts the use of conventional force. EMS responders may be called to treat patients who receive injuries as a result of having non-lethal weapons used on them, either intentionally or unintentionally. Come learn about tasers, pepper spray, rubber bullets and other non-lethal weapons in this informative lecture.

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

Constellation A&B

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. As has become NCEMSF tradition, show your squad's pride by making a banner to be presented by your squad at the *Meet & Greet* Saturday morning.

11:00 pm - 1:00 am *EMS as a Spectator Sport*

Constellation A&B

Watch the finalists from the trauma skills room compete in a multiple agency response scenario. In order to succeed, teams will have to work together to rapidly assess, treat, and transport multiple patients. Join our Master of Ceremonies, Dr. Ben Lawner, and show support for your colleagues as they rise to meet this challenge. This event is sure to be entertaining as well as fun for participants and spectators alike. Prizes will be awarded Saturday evening at the annual awards ceremony.

SEE YOU IN THE MORNING...

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;
❖ disaster preparedness/event planning; ☯️ 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 intentionally to 75-100 people. 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 25, 2012

- 7:00 am - 10:00 am** *Late Conference Check-in* *Atrium*
- 7:15 am - 8:30 am** *Continental Breakfast* *Foyer*
- 7:45 am - 8:30 am** *Group Introductions / Meet & Greet* *Constellation A&B*
Bring the banner you created on Friday night and show your organizational spirit. Each collegiate EMS organization will have an opportunity to briefly introduce itself (school, location, number of members, level of service, how many delegates at the conference, and one unique thing about the group). Sit by NCESF Region so you have a chance to further mingle and meet your fellow collegiate EMS providers. Anniversary awards will also be presented at this time.
- 8:30 am - 9:15 am** *Hot Topics in EMS* *Constellation A&B*
George J. Koenig, Jr., DO, NCESF 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, DO, NREMT-P; Mark E. A. Escott, MD, MPH, FAAEM; Mark Forgues, MEd, NREMT-P; Benjamin J. Lawner, DO, EMT-P, FAAEM and Christopher T. Stephens, MD, NREMT-P.
- 9:25 am - 10:25 am** *Workshop Session 3*
-  **Physiology Based Airway Management** *Constellation C*
Mark E. Pinchalk, MS, EMT-P
Advanced airway management in the pre-hospital setting has generated great controversy in recent years with a growing body of literature demonstrating worse patient outcomes with the intervention. A potential cause of these problems is application of a "one size fits all" approach to airway management that does not take into account the patients underlying pathology. This presentation will discuss the concept of matching the advance airway management strategy and procedure to the patient's underlying physiological derangement to improve patient outcomes.
-  **Hot Topics in Pediatrics** *Annapolis*
Jennifer Guyther, MD, EMT-B
Care for the sick or injured child can be an adrenaline producing experience. We will cover what is new and cutting edge in the management of pediatric patients. Topics will include intubation, resuscitation, head injuries, pain management and more!
-  **Ride the "Sound" Wave: Ultrasound Use in EMS** *Frederick*
Angela R. Cirilli, MD, RDMS
Get ahead of your colleagues and learn ultrasound imaging in the pre-hospital arena. Through case-based scenarios you will learn how to evaluate medically and traumatically ill patients and be one of the first to learn how ultrasound can help you to make a critical diagnosis to save your patients life. Special emphasis of collegiate based encounters will be presented.
-  **Shock After Trauma: Pre-hospital Considerations** *Constellation D*
For Post-Resuscitation Care in the ICU
Samuel M. Galvagno, Jr., DO, PhD
This lecture will focus on common problems encountered in the intensive care unit following resuscitation for major trauma. Considerable emphasis will be placed on pre-hospital interventions, and the downstream effects for critically injured patients.

Conference Schedule - Saturday, February 25, 2012

◆All the Stuff That Can Go Wrong With Your Head

Chesapeake

Joshua Moskovitz, MD, MPH

Ever wondered what could go wrong inside your head? This lecture, not designed for hypochondriacs, will discuss the various ailments and illnesses that are diagnosed from non-traumatic head complaints. Special attention will be given to pathophysiology seen amongst college age students.

✿Fundamental Approach to Initiating and Practicing High Performance CPR

Constellation E

Michael Smith, MPH, EMT-B

This presentation will discuss a review of related science and current practices in EMS resuscitation. "Pit Crew" CPR will be introduced as a conceptual model, and practice and implementation will be covered. The presentation will incorporate multimedia, including demonstration videos and existing protocols from systems where high performance CPR has already been instituted.

✿Thinking Outside the Box...

Columbia

John J. Cvach II, AA, NREMT-P

It is easy to be driven by protocol (black and white reasoning), but in today's world, you have to be able to "think outside the box." No longer are people calling for the run of the mill issues. You need to play detective to figure out what is wrong with these patients. Through a variety of case studies, we will see how to bridge the gap between "protocol" learning and using your skills.

◆9/11/01 - The Emergency Medical Service Response:

Constellation F

Looking Back to Plan for the Future

Michael Guttenberg, DO, FACEP, FACOEP

This lecture will review the timeline and EMS response to the World Trade Center, the importance of resource staging and logistics as well as specifically review the resources utilized over the first 36 hours. Injury patterns from the event will be reviewed with a discussion of the ongoing role of EMS over the next several weeks. Lastly, the events of 9/11 will be compared to other terrorist acts and disasters in order to review and prioritize resource management, specifically for collegiate EMS.

Skills Lab: Patient Assessment and I/O Demonstration

Calvert/Pratt

Benjamin J. Lawner, Katherine Baugher, & Robert Henderson

Participants will become familiar with proper auscultation of lung sounds, be able to perform a comprehensive pre-hospital neurologic assessment and understand proper landmark palpation and utilization of the EZ I/O drill.

** This is the first of the Skills Workshops scheduled for the conference weekend. This and all Skills Workshops are LIMITED TO THE FIRST 25 PARTICIPANTS. Sign up sheets for all Skills Workshops will be available at the registration desk Saturday morning.

Roundtable Discussions

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 core 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 roundtable conversations throughout the conference weekend and the year on NCEMSF's Web site and online discussion forum.

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Roundtable: Administrator/Advisor/Medical Director *Baltimore*

Michael S. Wiederhold, MD, MPH, NCEMSF Treasurer

In this roundtable, dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will discuss concerns of university officials and address issues that they may be facing on their campuses. This session is intended only for university administrators, advisors and medical directors.

Roundtable: From Probie to Captain... *Lombard/Camden*

Jeffrey Bilyk, NCEMSF Regional Coordinator and Matthew Topitzer

How are your members cleared and promoted? What is your squad's succession plan? In this roundtable discussion, promotional structures and operational hierarchies will be analyzed in an effort to identify best practices and areas for improvement.

10:35 am - 11:35 am Workshop Session 4

Basic and Advanced Airway Management Review *Constellation C*

Fred Ellinger, Jr., NREMT-P

In this session both BLS and ALS personnel will review key components to successfully manage airways. Particular attention will be paid to proper bag-mask ventilation technique, when to switch to "rescue" airways, and proper endotracheal intubation technique including the paraglossal technique.

The Intoxicated Patient *Constellation D*

Michael Guttenberg, DO, FACEP, FACOEP

This lecture will review the epidemiology of alcohol abuse as well as the physiologic effects on the body of alcohol abuse and acute intoxication. Evaluation of the intoxicated patient and the Big Misses associated with the intoxicated patient will be discussed. The unique concerns and consequences of managing the intoxicated patient on the college campus will be discussed.

Deadly Causes of Neck Pain *Chesapeake*

Joshua Moskovitz, MD, MPH

It's that little space that keeps your head anchored to your body but it's vitally important. A review of the pathophysiology of life threatening neck-related illnesses with their emergency treatment will be reviewed.

Pediatric Assessment Review *Annapolis*

Jason Bartell, RN(EC), PHC-NP

This session will offer a case based presentation to review basic pediatric assessment skills geared at distinguishing the most critical of kids. A review of basic assessment tools from the realm of the PALS/APLS literature will be provided to ensure that all providers have the needed skills to identify the impending failure of a sick child.

♦ Traumatic Brain Injury: What You Need to Know *Constellation E*

Deborah M. Stein, MD, MPH, FACS, FCCM

This talk will focus on what a field provider should know about traumatic brain injury. Traumatic brain injury as a public major health problem will be discussed. We will review the currently recommended interventions in the field and discuss the acute management of patients with severe traumatic brain injury.

⚙ Changing Times: Addressing Contemporary Issues *Frederick*

Frank Caria, MPA, CHC, AEMT

Patient care, documentation, staffing and budgeting -- there is an array of professional, ethical, and quality dilemmas facing EMS leaders today. What is "the

Conference Schedule - Saturday, February 25, 2012

right thing" to do and how do you do it? Understanding key elements such as education, evaluation, and enforcement will help you better prepare in advance for what will affect every agency eventually. This session will help you discover or rethink your role in EMS and the impact you have on those you serve.

✿So, You Have Updated Your CPR Card, Now What? *Columbia* *Michael Smith, MPH, EMT-B*

In this presentation, we will discuss Guidelines and relate them to clinical practice and operational policy. It is clear that implementation of Guidelines/improving survival outcomes requires more than attending an updated course.

☺Sense and Sensitivity: *Constellation F* **Applying the Tenets of CARES 12.0 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 those delicate situations, so that everyone from the survivor to the EMS crew feels less anxious? By examining various theories and real life situations, Eric will help you become aware of your own comfort levels and build on your current knowledge and training so that you and your crew are prepared for that next SA call. Every participant will be able to list the five aspects of the CARES 12.0 model and state how each applies to sexual assault calls and additional EMS and university settings.

Skills Lab: Tools For Success - How to Interview *Lombard/Camden* *Marsha Lynn Williams, MEd*

Your acceptance to professional school or your first job hinges on you performing well during the interview. This hands on session will review the basic components of an interview and provide tips for success. This interactive session will utilize role playing to allow you to test your interview skills and receive feedback on areas to improve.

Roundtable: Financing and Fundraising *Baltimore* *Yoni Litwok and Joseph Grover, NCEMSF Regional Coordinators*

For this roundtable discussion, NCEMSF Leadership will moderate a conversation addressing financing and budgeting for campus-based EMS, with a particular focus on fundraising opportunities and strategies.

11:45 am - 12:30 pm Workshop Session 5

Richard W. Vomacka Student Speaker Competition

The Richard W. Vomacka Student Speaker Competition is named for an NCEMSF mentor who died in October 2001. This symposium is a chance for students to become involved in lecturing and for students to learn formally from one another. Presenters were selected to speak based on the strength of their submitted abstracts and the overall applicability of their proposed topics. The competition is judged on a speaker's ability to deliver a relevant high-quality seminar to his/her peers.

Fighting the Good Fight: Getting What You Want *Constellation C* **While Staying Above the Water and Under the Radar** *Matthew Green and Rebecca Schwartzman, SUNY Cortland*

Collegiate EMS is often defined by what it is not allowed to do. We are made to believe that the role we play within our community is less than relevant. We have developed the playbook on how to dramatically increase your agency's credibility within your community. With a four-year turnover, there is a lot of work to be done for the sake of continuity. Increase your membership, expand your level of care, and bolster your morale without burning out or making too many enemies.

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A Critical Need to Reevaluate EMS and CEMS Ethics *Annapolis*

Scott Kobner, Emory University

While a discussion of ethics is a component of all EMS curricula, it is often an abbreviated discussion that centers on select, general ethical principles. Because of extensive work done in other fields of bioethics—in particular the ethics regarding doctor-patient interactions—the ethics of pre-hospital care has been largely overlooked and left as a patchwork of assumptions and ideas specific to other fields of medicine. Here we tackle the assumption of bioethical cross-applicability—that is the assumption that existing ethics is sufficient to tackle the unique moral dilemmas presented to EMS providers. Additionally, this lecture explores the same relationship between EMS and Collegiate EMS (CEMS) moral spheres; asking questions such as “Do the ethics currently embraced by the EMS community adequately address the moral dilemmas faced by pre-hospital emergency medical personnel? In examining three tenant principles in medical ethics—the concepts of consent, disclosure, and confidentiality—this lecture finds striking differences between conventional ethical codes and CEMS moral dilemmas highlighting the need for ethical reform and discussion amongst EMS populations.

“That’s Not What I Was Taught”

Constellation D

Changing Paradigms in EMS Practice

Tom Latosek, Bucknell University

Up until recently, almost every patient we encountered was placed on high flow oxygen, we placed anyone with a mechanism of injury in full spinal immobilization, tourniquets were used only as a last resort, and cardiac arrests were as easy as A-B-C. As evidence based medicine evolves, so does EMS and some of the longtime paradigms are shifting. In this lecture we will review some of the relevant research and evolving practices on these topics as well as some of the recent additions to the BLS toolbox including CPAP, aspirin, and carbon monoxide oximetry. This lecture will review a brief history of EMS and from where we have come and look ahead to where we are going with an introduction to the EMS Agenda for the Future and the National Scope of Practice Model.

Transmission for Disaster: Outbreaks!

Constellation E

Preparing our Campuses for the Future Contagion

Jessica LeBel, Cedar Crest College

The investigation of outbreaks is necessary in order to understand, control, and prevent the spread of disease. The study of outbreaks can provide for the development of new vaccines and drugs, change human behavior, and enable legislation to be passed for the improvement of public health. With the help of Hollywood creativity we are able to witness in major motion pictures, television series, and suspenseful novels the dangers of an outbreak as well as the severity of harmful diseases. Although the media has the ability to distort and exaggerate; some of the basic ideas are in fact true. Despite fictional characters and misrepresentations the possibility of a national or global outbreak is not impossible. Within the past few years, we have seen outbreaks of the H1N1 Flu, the Haiti Cholera epidemic, and, most recently, a new virulent strain of E. coli in Germany. As emergency responders it is critical to have an understanding of our role in these mass scale situations and maintain a concrete level of preparedness.

A Matter of Life: Talking About Suicide Prevention

Frederick

Jonathan Lyons, University of California, Los Angeles

In today’s increasingly open-minded culture, the subject of suicide remains taboo. Suicide is the second leading cause of death among college students, and the numbers of students with self-injurious behaviors is on the rise. Unfortunately suicide has affected everyone in some way, whether it be an acquaintance from

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years ago, someone on your dorm floor; or a close friend or family member. It is possible that the pressure to compete in a tough university environment has led to the marked increase in suicides across the nation's college campuses, but how can we ever know if we won't talk about it? As many as 75% of people who commit suicide indicate their intention to someone. Some warning signs of suicide are less obvious, while others scream for attention. The ability of EMS personnel to tease out these signs and act appropriately can have large influence on the patient in the moment of crisis and much further down the road. This session will discuss risk factors for suicide, what to look for in patients who may be suicidal, and how to raise awareness to this sensitive topic in your department and on your campus.

Crawl, Walk, Run: Adapting Military Training Techniques to Civilian Environments

Columbia

Sean McMullen, Arizona State University

When I enlisted as a Medic in the Army in 2009, I was fortunate to have already been an EMT for two years, and could therefore pay close attention to the differences in civilian pre-hospital training and military pre-hospital training. I learned a myriad of new techniques that were previously foreign to me: "crawl-walk-run" training, in which the trainee becomes progressively more independent; "after action reports," in which training stops and every person, from the highest ranking to the lowest, provides feedback; and a focus on realistic training versus simulation. However, the methodologies of the military can't simply be carried over; many aspects get lost in translation. For example, nobody wants to get a "drill sergeant" lecture, or be forced to low-crawl under barbed wire. No one wants to have an NPA applied to them or get stuck repeatedly in IV training. This talk will discuss how we can take the good and leave the bad from military training and apply it to the civilian world.

Special Event Medicine: Planning and Response

Chesapeake

Kevin Wickersham, Boston College

Special Events pose formidable challenges to the timely provision of quality medical care. These events are prevalent on college campuses, and there is always a need for proper planning and implementation of medical response in what can be a problematic and high patient flow environment. Small and underequipped collegiate EMS agencies may believe that they cannot support this need but with proper planning it is possible even for the smallest agency to provide high quality care to large numbers of patients in this environment. Conversely, large agencies may take comfort in their numbers and capabilities and fail to properly plan for a large event. This presentation will thoroughly discuss the fundamentals of organizing and implementing medical response for all types of planned events, and will be beneficial for representatives from any size organization. The essentials of preparing medical response for a planned special event are the same as those used in planning for disasters and other unplanned events, and this presentation will address these similarities as well as the importance of contingency planning for special events.

Original Student Research Competition

Constellation F

Moderator: Michael T. Hilton, MD, NCEMSF Director-at-Large

This session represents a new addition to the conference program focusing on original student EMS Research. During this moderated session, student presenters will have the opportunity to discuss their original EMS research. Each presenter will be allotted 12 minutes to present his/her project with an additional 3 minutes allotted for questions from either the audience or the moderator. An award will be presented to the best presentation and all participants will be recognized for participating in this inaugural research presentation program.

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Factors That Affect Response Time in Collegiate EMS

Bartholomew C. Grabman, Willamette University

Using Pre-Hospital Care Reports from the last 15 years (n=840) collected through Willamette University EMS, factors affecting response time, including time and day of dispatch, patient condition, and the mechanism of injury will be examined in detail in an effort to explain several important factors that affect response time in small (fewer than 5,000 undergraduate students) Campus-Based EMS (CBEMS) systems. Additionally, information collected from surveys sent to CBEMS throughout the nation will be examined and analyzed, focusing on such factors as number of responders, method of dispatch, population served, and location of school. Minimizing response time in CBEMS may improve provider-patient relations, increase the quality of care patients receive, and, most importantly, maximize survivability for critical patients. However, while several studies have been focused on response time in traditional EMS systems, the applicability to CBEMS is limited due to the unique populations served and additional challenges faced, such as budget constraints, limited number of responders, lack of long-term experience present in other systems.

Izibani Nokukhala Kwe-Ambulensi

Pre-hospital Emergency Medicine in Durban, South Africa

Abigail Tapper, Muhlenberg College

This project was designed to better understand emergency care in Durban, South Africa. The role of adherence to medical protocol was examined. This project was completed at the Oldham House Central EMRS base in the Warwick area of Durban. Secondary source research, interviews with experts, ambulance personnel and administrative staff, and participant observations were employed. Many aspects of emergency care were surveyed, from direct patient care, to the ambulance preparation process and the process of how a call comes in and how it is dispatched. Deviation from protocol did not seem to harm patients and indeed benefited them in many situations. EMRS is under resourced and struggling to provide the best patient care possible.

No Nap and Captain Jack:

Where are the Sleep Deprivation Policies in EMS

Charles Warner, University of Pittsburgh

In EMS, you can drink coffee to stay awake all day, as long as you leave the Baileys at home. How many EMS services have policies that discuss sleeping? While most EMS services use the 8-Hour Rule for alcohol intake (preventing providers from drinking before duty), few services have ever thought to regulate sleep instead of alcohol. In EMS (collegiate and non-collegiate) you cannot work after an all-night kegger, but you can work after an all nighter. It's time to take an in depth look at some recent research that cites an increase in risks to fatigued EMS providers, showing a 50% increase in reported Medical Errors in sleep deprived EMTs, with fatigued EMTs being 2.3 times as likely to cause a medical error. Collegiate EMS services needed to look out for the well being of their members, as well as their patients, and develop policies on Sleep Deprivation. Collegiate EMS services are a central place to evoke such change; let's face it, nobody sleeps during finals week.

Regional Roundtable Discussions

Constellation A&B

NCEMSF Regional Coordinators

The NCEMSF Regional Coordinators invite squad leaders to meet with them 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 recommended for one or two representatives per school, and are ideally attended by squad leadership/squad NCEMSF Liaisons.

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

With 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 on page 33 and consult the map in your conference folder.

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.

1:30 pm - 2:30 pm *Workshop Session 6*

☼ Bees, Roaches and Mites - Oh My!

Annapolis

Jennifer Guyther, MD, EMT-B

We will take a closer look at the triggers and management of two leading respiratory emergencies in pediatrics: asthma and anaphylaxis. You will become confident in your recognition, history taking and treatment of these diseases that can present similarly.

◆ Sticks and Stones May Break My Bones

Constellation C

Elisabeth Jannicky, MD

Common musculoskeletal injuries faced in the pre-hospital setting will be reviewed with a particular emphasis on collegiate sports. Although rarely fatal, these injuries often result in severe pain, blood loss, and potential long-term disability. Adverse outcomes can often be prevented with prompt temporary measures. The discussion will focus on appropriate traction splinting for fractures, considerations on the hemorrhaging amputated limb that cannot be controlled with direct pressure alone and when and how to suspect crush injury and compartment syndrome. Pre-hospital management will be emphasized and discussed.

◆ Acute Spinal Cord Injuries

Constellation D

Clifford T. Solomon, MD, FACS

This lecture will focus on the diagnosis, pathophysiology and initial management of acute cervical spinal cord injury.

☼ Wellness, Shift Work and the Circadian Rhythm

Frederick

Frank Sabatino, MD

Emergency care providers' overall wellness is of vital importance yet it is often overlooked. This session will examine and define wellness and techniques that may be used to achieve it. It will discuss sleep and shift work and their effect on the circadian rhythm. We will also discuss other sources of physical and mental stress that are unique to emergency care providers.

☼ Provider Suicide: It's Not Supposed to Happen to Us

Constellation E

Dwight A. Polk, MSW, NREMT-P

Each year, hundreds of public service providers die by their own hand. This presentation will provide a comprehensive review of what we know about this tragic event. In this presentation designed for supervisors, we will look at the demographics, signs and symptoms, assessment techniques, and preventative strategies that you can use when you are concerned about one of your colleagues.

◆ Forward Medical Management of HazMat Incidents

Chesapeake

Mark E. Pinchalk, MS, EMT-P

This program will discuss the concept of downrange medical care during HazMat incidents. The provision of advanced airway management and other life saving care in the hot and warm zones and the use of available antidotes will be covered.

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❖Irene is Coming; Where Do We Find Help?

Constellation F

H. Bucky Buchanan

When Hurricane Irene was poised to hit the Northeast US, unprecedented action took place up and down the eastern seaboard in preparation. Chief Buchanan will review response pre-planning, response, and recovery operations of EMS agencies in New Jersey and New York and will discuss the stresses placed on the system. The presentation will focus on the FEMA Ambulance Contract, EMAC process, and the use of strike teams that helped support local responses during all phases on the event.

☺What is Wilderness Medicine?

Columbia

Gates Richards, MEd, WEMT-I

This session provides an introduction to the field of wilderness medicine. Differences from urban EMS, injury and illness profiles and a few case studies will be covered.

Skills Lab: Ultrasound - Extended FAST exam in TRAUMA *Conway Room*

Angela R. Cirilli, MD; Laura Diegelmann, MD; & Sarah Sommerkamp, MD

Master the basics of the ultrasound machine, how to operate it and how it can help you perform your job. Learn how to perform an extended FAST exam in trauma patients to detect traumatic injuries and recognize critically ill patients. Evaluate positive and negative images to help identify what abnormal findings look like.

Skills Lab: Advanced Airway Management for the EMT-B *President Room*

Fred Ellinger, Jr., NREMT-P and Christopher T. Stephens, MD, NREMT-P

Building on topics covered in Airway Management for EMT-Basics students will receive demonstration and instruction of the proper use of oral and nasal airways, bag-valve masks, esophageal tracheal combitube, LMA and King LT. Students will receive adequate hands-on practice time using airway management trainers, lung simulators, and human patient simulators to create lifelike experiences.

Skills Lab: Confronting Sexual Harassment on Your Crew, Your Campus and in Your Community

Lombard/Camden

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

Though college students might provide vague and varied definitions of sexual harassment that often even result in unintentional violations, Eric can help shed light on this matter that is anything but grey. In an hour, learn what you can do to define, recognize, reduce - perhaps eliminate - sexual harassment in your community - from the locker room to the classroom and beyond.

Skills Lab: Event Medicine

Calvert/Pratt

Giving You More to Bring to the Table

Benjamin N. Abo, DO, EMT-P and Clay Richmond, NREMT-P

Is your campus prepared to respond to high profile, high risk, high volume events? College campuses often bring together large groups of people in events like concerts, sporting events, and political rallies. With such events, EMS presence needs to be well-planned and well-executed. This hands-on session will provide you with table top experiences in planning, implementing, and evaluating EMS for these large events.

Roundtable: QA/CQI

Baltimore

Frank A. Caria, MPA

This roundtable discussion is dedicated to current issues in Quality Assurance and Improvement. Bring your issues and ideas to discuss amongst your peers and together as a group we will work through them and learn how other agencies are handling the same issues your agency is experiencing.

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2:40 pm - 3:40 pm *Workshop Session 7*

The Many Faces of Ischemia: Beyond STEMI

Constellation C

Benjamin J. Lawner, DO, EMT-P, FAAEM

Pre-hospital providers are routinely obtaining, transmitting, and interpreting 12 lead electrocardiograms. As part of regionalized systems of care, EMTs and paramedics form the front lines of emergency cardiac care. In an interactive and discussion based format, providers will review and discuss actual pre-hospital ECGs and identify findings consistent with ischemia and cardiac injury.

You're Having a What?! The Largest & Most Common Human Parasite & Associated (OB) Emergencies

Constellation D

Benjamin N. Abo, DO, EMT-P

Among all the types of emergencies EMTs and paramedics can come across, quite often obstetric related emergencies can make some of the best the most squeamish. This talk will discuss some of the common possibilities and some of the most dramatic rarities to help keep you prepared for what can often prove to be among the highest-paced emergency calls you'll have to respond to...and they are two-for-one when it comes to lives saved! The discussion will include trauma during pregnancy, common complications, rare complications, and dealing with all of the above when you're abroad or far away from care.

HIV & AIDS: Why Don't We Talk About It Anymore?

Constellation E

Dwight A. Polk, MSW, NREMT-P

It seems like the EMS world has forgotten HIV and AIDS now that it's considered a chronic disease instead of a fatal one. The truth is that over 50,000 people a year are infected with HIV in the United States. This presentation will serve as a primer for the EMS provider and discuss the incidence, symptomatology, and current treatment for those infected with this complicated virus.

Penetrating Abdominal Trauma

Chesapeake

Frank Sabatino, MD

This lecture will describe the epidemiology and most common mechanisms for penetrating abdominal trauma with review of the relevant anatomy. It will focus on the prediction of abdominal injuries based on mechanism with special attention to the need for rapid intervention and transport based on vital signs and assessment findings. This lecture will improve differentiation of abdominal injuries on the basis of patient assessment using visual stimuli and interactive case scenarios.

Don't Be Shocked When Your Patient is in Shock

Constellation F

Teresa Deak, MD

Your patient doesn't look so good and her vital signs are abnormal. Don't be in shock when you find your patient in shock. This lecture will discuss the differential diagnosis and pathophysiology of various types of shock. The lecture will focus on important signs and symptoms that differentiate each type of shock and discuss appropriate pre-hospital and hospital interventions to begin to treat each.

Follow Me! Leadership Pearls from the Sarge

Annapolis

David Adler, NREMT-P

Contrary to the popular cliché, no one is a born leader. Leadership is a privilege and a great responsibility; successful leaders take the time to master the skills necessary to inspire, mentor, and energize their subordinates. Twenty years of police and military leadership will be distilled into vignettes and pearls that identify crucial core leadership principles.

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❖ Introduction to NIMS

Frederick

Brian R. Brauer, RN, MEd

Since February 2003, emergency response agencies have been tasked with operating under a single National Incident Management System to aid in communication, coordination, and deployment of resources. In the fire service, this training is tied to funding, but many EMS agencies have not had an incentive or access to understand what NIMS is, what it can do for your agency, and how it can aid your agency in working with other responders during an emergency. This class will provide an overview of NIMS structure and terminology, and offer how it can be implemented in your collegiate EMS organization.

❖ Technical Rescue Considerations on College Campuses *Columbia*

Nicholas A. Barbu, EMT-P

EMS providers arriving first on the scene of an incident occasionally are encountered with a scenario different from the dispatch information received. Arriving on a scene and recognizing that the situation is beyond your scope or exceeds your capabilities can happen on every alarm. Through scenario based discussion, this program will offer tools for evaluating your available resources and assist you in formulating a plan to utilize them when appropriate.

Skills Lab: Ultrasound - Extended FAST exam in TRAUMA *Conway Room*

Angela R. Cirilli, MD; Laura Diegelmann, MD; & Sarah Sommerkamp, MD

Skills Lab: ALS Skill Review - Cricothyrotomy

President Room

Fred Ellinger, Jr., NREMT-P and Christopher T. Stephens, MD, NREMT-P

Cricothyrotomies may be the lowest frequency, highest risk procedure performed by ALS providers. In this skill session the ALS provider will receive expert instruction on the proper technique of needle cricothyrotomy, percutaneous cricothyrotomy (COOK Melker), and open surgical cricothyrotomy. Participants will practice all three techniques utilizing swine trachea models.

Skills Lab: Moving, Lifting & Transporting in the Wild

Lombard/Camden

Gates Richards, MEd, WEMT-I

This workshop will cover safe movement of injured patients in the wilderness in the absence of standard ambulance equipment. We will practice safe rolling, carrying and litter packaging techniques that will improve your comfort and skills in any setting.

Skills Lab: Evacuation Table Top...

Calvert/Pratt

Your School is Expecting Guests

H. Bucky Buchanan

During Hurricane Irene, several higher educational facilities were used as reception centers and shelters for those who were in harm's way. From Pre-Planning, to following the "Planning-P", to playing host. What is your role? Chief Buchanan will lead the participants through a table-top exercise that will help attendees come up with a list of action items to bring back to their organizations.

Roundtable: Research Design & Execution in EMS

Baltimore

Michael T. Hilton, MD and Kathryn Kinzel, MPH

This roundtable discussion will cover the major steps of performing a successful research project from start to finish. We will cover the generation of a research question, study design, the role of the institutional review board, and submission for abstract presentation. Project completion can open up significant opportunities for travel, building professional relationships, and networking. Please bring your project ideas and questions with you.

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3:40 pm - 3:55 pm *Snack Break*

Foyer

3:55 pm - 4:55 pm *Workshop Session 8*

◆ **Stabilization and Transport of the Multi-Trauma Patient** *Constellation C* *Mike Clumpner, PhD(c), MBA, NREMT-P*

Is the “Golden Hour” a real goal for trauma care or simply a very clever marketing ploy created by a Baltimore hospital? What is the trimodal death distribution curve, and where is time wasted in this curve leading to unnecessary deaths? Can pre-hospital and emergency department staff influence the trimodal death distribution concept? Trauma triage has evolved over the last twenty years. Despite changes in triage, some hospitals see trends in under-triage while others experience over-triage. The search for the perfect triage model seems to be elusive. Should mechanism of injury be included in triage, or should only physiologic parameters be the deciding factor? Are physicians any better at triaging patients in the field than paramedics and nurses? This lecture addresses those questions as well as discussing concepts of the trauma assessment and the ABCDE’s of trauma. This lecture will also review permissive hypotension, the use of hemostatic agents, and blood substitutes. Lastly, the future of trauma resuscitation will be discussed.

◆ **Extremity Trauma**

Constellation D

Christopher T. Stephens, MD, NREMT-P

So your patient has a broken extremity? It's bleeding...you are trying to control the bleeding and splint the extremity for transport. What about the pelvis? Is it broke too? In this session, you will learn the latest tricks on managing extremity trauma in the field. We will also cover pelvic injuries and how to manage them. What about those special "clotting" bandages out there? And tourniquets? Fear not! We will discuss all of these tools to help you manage these challenging injuries.

◆ **Helicopter EMS for Adults with Major Trauma**

Constellation E

Samuel M. Galvagno, Jr., DO, PhD

Worldwide, injuries remain the number one cause of mortality and morbidity for adults under 45 years of age. Helicopter emergency medical services (HEMS) have evolved over the past forty years as an integral part of trauma care; yet, use of this resource-intensive modality remains controversial. In this lecture, Dr. Galvagno will review the current literature, and present his own work in this area in an attempt to answer the question, “Does HEMS have a positive or negative impact for adults with major trauma?”; A brief historical perspective will be provided, followed by a clinically-applicable review of the literature.

✿ **From Good to Great: Growing a Collegiate EMS Service** *Annapolis*

Mark E. A. Escott, MD, MPH, FAAEM & Lisa M. Basgall, MA, LP, NREMT-P

How do you know when your service is doing well? What steps are you taking to help your program grow, and what resources are available to you? How can the roles of students leaders, Medical Directors, faculty, police chiefs, and campus administrators work together to help maintain a healthy tension that recognizes good work and challenges us to do better in the future? This presentation will offer tools and strategies you may consider employing to help grow your service from good to great.

✿ **A Failure to Communicate: What Works, What Doesn't?** *Frederick*

Mark Forgues, MEd, NREMT-P

We have come to realize that thousands of patients die because we can't talk to each other clearly. After having taken lessons from others (pilots, military, pit crews), we are finally making headway in communications. Through videos and presentations we will demonstrate those communication approaches which work and those that don't.

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❖Collegiate Response to a MCI:

Chesapeake

Are You Prepared...Planning for Interagency Response

John E. Gillespie, MS, NREMT, CFC

In the event of a MCI on your college campus, what is your role as a collegiate EMS agency? Campus, local, perhaps even State and Federal agencies all have key response roles. Campus personnel may be responsible for the initial response until local agencies arrive on scene to assist. In addition, campus personnel are typically responsible for establishing communications at the scene and notifying local agencies. Do you have the capability to talk to one another? Do you have preplans in place if a large scale event were to occur? This lecture will identify key areas for organizations to focus on to begin the preparation and communication process.

❖EMS Response to Active Shooter Events

Constellation F

David Adler, NREMT-P

Institutions of higher learning continue to be popular targets for active shooters. EMS must learn to function in partnership with the police in order to achieve a successful resolution to these highly stressful and challenging incidents. Learn how to build relationships with your local police and see how active shooter events change the medical triage/treatment paradigm as several incidents are debriefed and the threat from these individuals is analyzed.

❖No Longer Will Inadequate Response Be Tolerated

Columbia

Clay Richmond, NREMT-P

Special Events and mass gatherings happen everyday and in every jurisdiction. They are a source of enjoyment for the participants and anxiety for the EMS personnel charged with protecting them. This is where the SEMS Methodology which has been endorsed by the AAOS can be an indispensable resource, helping to ensure that no matter the size of the event or the size of your service you are prepared. With 16 years of experience and nearly 10,000 events serviced, Clay Richmond will share his years of experience with you.

Skills Lab: Ultrasound - Extended FAST exam in TRAUMA *Conway Room*

Angela R. Cirilli, MD; Laura Diegelmann, MD; & Sarah Sommerkamp, MD

Skills Lab: Improvisational Splinting

Lombard/Camden

Gates Richards, MEd, WEMT-I

Though it's a basic skill for any EMT, many of us have forgotten how to build splints from improvised materials. During this workshop we will review the principles of effective splints, and you'll practice building splints from materials at hand. Though focused on remote environments, this workshop will improve your splint building skills in any environment and your patients will thank you!

Skills Lab: Developing Incident Action Plans

Calvert/Pratt

Brian R. Brauer, RN, MEd

Intended for persons with a working knowledge of the National Incident Management System, this workshop will familiarize the attendee with how to apply the NIMS model to write an Incident Action Plan. The program will review the NIMS forms and their uses, as well as go over the Cardinal Rule of writing an IAP. Whether your agency provides stand-by service at sporting events, responds with an ambulance to emergency calls, or assists in a campus disaster, having a plan will help communicate with your members and prepare them for an effective response. Attendees will develop an IAP for an emergency of their choice during the session.

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Roundtable: Developing a Training Program

Baltimore

Les Polk, NCEMSF Director-at-Large and Ari Winograd

Training: the education, instruction, or discipline of a person. Education: the act or process of imparting or acquiring general knowledge, developing the powers of reasoning and judgment. This roundtable discussion will revolve around building an EMS training program that is effective, long lasting, and influential. Learn to develop curriculum, train on-scene, create a standardized training module, and practice "positive" learning.

5:00 pm - 6:00 pm *Major John P. Pryor, MD Memorial Lecture* Constellation A&B *Introduction*

George J. Koenig, Jr, DO, NCEMSF President

"Moonlighting in the Big Leagues"

Darren McAuley, DO

This lecture will highlight Dr. McAuley's pursuit of a dream and how the influence of his involvement with campus EMS molded his career. From the halls of Vassar College as an EMT caring for the injured to the big leagues as a sports medicine physician for the Philadelphia Phillies to the War in Iraq as a flight surgeon, he will inspire you to believe that through focus, commitment, and drive you can achieve your goals.

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

Learn how NCEMSF can better serve you through all of its programs and member benefits. Includes brief reports from the NCEMSF Executive Officers, Division Coordinators and Committee Chair-people.

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
- Original Student Research Competition
- Collegiate EMS Banner of the Year
- 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 NCEMSF Service Award

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

Campus EMS Alumni (over 59 registered as of this publication) are invited to join NCEMSF leadership for happy hour. Reminisce with old friends and catch up on happenings since graduation. Network with our accomplished group of speakers and exhibitors. Conference badge with "Alumni" ribbon and proper ID required.

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. Considering pairing up with another squad and eating together and continuing conversations from earlier in

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the day. See a listing of local restaurants and other nighttime suggestions on page 33 or consult the Hotel Concierge.

After dinner on the town, there is plenty to do! Stay out and enjoy the local bar scene, join us aboard the *Spirit of Baltimore* for a Monte Carlo night and/or return and join the party at Club NCEMSF!

10:00 pm - 1:00 am *The Spirit of Baltimore - Monte Carlo Night*

Board the *Spirit of Baltimore* cruise ship - just across the street from the Hyatt at 561 Light Street - and try your hand at beating the NCEMSF house at your favorite casino games including Black Jack, Poker, Craps, Roulette, etc... Space is limited - so come early. No need to fear being left ashore, as the ship will not leave dock. Great prizes are available including a Kindle Fire, iPod Nano, gift cards and a plethora of EMS supplies from fully stocked jump bags to stethoscopes. No worries, there is no penalty for losing and no real money will be exchanged. Play risk-free! At the end of the evening, cash your chips out for different priced raffle tickets. Winners will be drawn at 1AM and prizes may be claimed at the registration table the next morning. Refreshments will be served.

10:00 pm - 2:00 am *Club NCEMSF*

Constellation A

No need to congregate in the halls or cram large groups into a small hotel room, when you return to the hotel from dinner or from the *Spirit of Baltimore* join the party at Club NCEMSF! Our live DJ will get this dance party started and keep it going well into the night. 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. Light refreshments will be available.

GET SOME REST!

WE'LL SEE YOU IN THE MORNING...



Schools in Attendance

*At the time of publication, the following 90 universities (893 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>
American University	1	DC	Mid Atlantic	Startup	
Arizona State University	3	AZ	Central	BLS	QRS
Bard College	5	NY	New York	BLS	QRS
Binghamton University	36	NY	New York	ALS	Ambulance Transport
<i>Boston College</i>	7	MA	<i>Massachusetts</i>	<i>BLS</i>	<i>QRS</i>
Brandeis University	15	MA	Massachusetts	BLS	Non-emergent Transport
Brown University	4	RI	Northeast	ALS	Ambulance Transport
Bucknell University	5	PA	Pennsylvania	BLS	QRS
Carnegie Mellon University	16	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	9	OH	Midwest	BLS	Non-emergent Transport
Cedar Crest College	2	PA	Pennsylvania	BLS	QRS
<i>Clark University</i>	<i>15</i>	<i>MA</i>	<i>Massachusetts</i>	<i>FR</i>	<i>QRS</i>
College of Charleston	12	SC	Southeast	ILS	Ambulance Transport
<i>Columbia University</i>	<i>11</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Cornell University	10	NY	New York	BLS	Non-emergent Transport
Creighton University	4	NE	Central	EDU	
Dartmouth College	8	NH	Northern New England	BLS	QRS
DeSales University	11	PA	Pennsylvania	BLS	QRS
Drexel University	5	PA	Pennsylvania	BLS	QRS
Eastern Kentucky University	1	KY	Southeast	EDU	
<i>Emory University</i>	<i>12</i>	<i>GA</i>	<i>Southeast</i>	<i>ILS</i>	<i>QRS</i>
<i>Fordham University</i>	<i>10</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Franklin Pierce University	4	NH	Northern New England	BLS	QRS
<i>Georgetown University</i>	<i>30</i>	<i>DC</i>	<i>Mid Atlantic</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Hobart and William Smith Colleges	4	NY	New York	BLS	QRS
John Carroll University	8	OH	Midwest	BLS	QRS
Johns Hopkins University	17	MD	Mid Atlantic	BLS	QRS
Juniata College	11	PA	Pennsylvania	BLS	QRS
Lehigh University	6	PA	Pennsylvania	BLS	QRS
Loyola Marymount University	14	CA	West	BLS	QRS
<i>Massachusetts Institute of Technology</i>	<i>13</i>	<i>MA</i>	<i>Massachusetts</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Massachusetts Maritime Academy	4	MA	Massachusetts	Startup	
Mount Holyoke College	4	MA	Massachusetts	BLS	QRS
Muhlenberg College	8	PA	Pennsylvania	BLS	Non-emergent Transport
Northeastern University	2	MA	Massachusetts	Startup	
<i>Norwich University</i>	<i>10</i>	<i>VT</i>	<i>Northern New England</i>	<i>BLS</i>	<i>Non-emergent Transport</i>
Pennsylvania State University	36	PA	Pennsylvania	BLS/ALS	Ambulance Transport
Rensselaer Polytechnic Institute	8	NY	New York	BLS	Ambulance Transport
Rice University	9	TX	Central	ILS	QRS
Rochester Institute of Technology	15	NY	New York	BLS	Ambulance Transport
Rowan University	13	NJ	Northeast	BLS	Ambulance Transport
Saint Anselm College	7	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	6	MA	Massachusetts	BLS	QRS
St. Bonaventure University	11	NY	New York	BLS	QRS
SUNY Albany	12	NY	New York	BLS	Ambulance Transport
SUNY College at Cortland	13	NY	New York	BLS	QRS
SUNY Geneseo	5	NY	New York	BLS	QRS
<i>SUNY Oneonta</i>	<i>15</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCESMF Region</u>	<u>Type</u>	<u>Sub-Type</u>
SUNY Oswego	12	NY	New York	BLS	Ambulance Transport
SUNY Potsdam	10	NY	New York	BLS	QRS
SUNY Stony Brook	8	NY	New York	ALS	Ambulance Transport
Syracuse University	6	NY	New York	BLS	Ambulance Transport
Temple University	5	PA	Pennsylvania	BLS	Non-emergent Transport
<i>Texas A&M University</i>	24	TX	<i>Central</i>	<i>ALS</i>	<i>Ambulance Transport</i>
The George Washington University	17	DC	Mid Atlantic	BLS	Non-emergent Transport
Trinity College	8	CT	Northeast	BLS	QRS
Tufts University	9	MA	Massachusetts	BLS	Non-emergent Transport
Tulane University	10	LA	Central	BLS	Ambulance Transport
University of Arizona	3	AZ	Central	BLS	QRS
University of California-Los Angeles	4	CA	West	BLS	Ambulance Transport
University of Chicago	4	IL	North Central	FR	Event Standby
<i>University of Dayton</i>	12	<i>OH</i>	<i>Midwest</i>	<i>BLS</i>	<i>Ambulance Transport</i>
University of Delaware	37	DE	Mid Atlantic	BLS	Ambulance Transport
University of Guelph	12	ON	Canada	BLS	QRS
University of Il. at Urbana-Champaign	12	IL	North Central	BLS	Event Standby
University of Iowa	2	IA	North Central	EDU	
University of Maryland	1	MD	Mid Atlantic	BLS	Event Standby
University of Massachusetts Amherst	29	MA	Massachusetts	BLS	Event Standby
University of New England	11	ME	Northern New England	BLS	QRS
University of Pennsylvania	23	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	10	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	12	RI	Northeast	BLS	Ambulance Transport
University of Richmond	5	VA	Mid Atlantic	BLS	QRS
<i>University of Rochester</i>	13	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>
University of South Florida	8	FL	Southeast	BLS	Event Standby
University of Texas at Austin	2	TX	Central	EDU	Event Standby
<i>University of Vermont</i>	9	<i>VT</i>	<i>Northern New England</i>	<i>ILS</i>	<i>Ambulance Transport</i>
<i>University of Windsor</i>	13	<i>ON</i>	<i>Canada</i>	<i>BLS</i>	<i>QRS</i>
University of Wisconsin Madison	2	WI	North Central	FR	QRS
Ursinus College	4	PA	Pennsylvania	BLS	QRS
<i>Vassar College</i>	9	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Non-emergent Transport</i>
Villanova University	6	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Polytechnic Institute	5	VA	Mid Atlantic	BLS/ALS	Ambulance Transport
Wake Forest University	6	NC	Southeast	BLS	Non-emergent Transport
West Chester University of PA	9	PA	Pennsylvania	BLS	Non-emergent Transport
Willamette University	1	OR	West	BLS	Non-emergent Transport
Worcester Polytechnic Institute	8	MA	Massachusetts	FR	QRS
Yale University	4	CT	Northeast	BLS	Event Standby

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

**Geographic
Distribution of
Campus EMS
Groups in the
NCESMF
Database:**



Conference Schedule - Sunday, February 26, 2012

7:30 am - 8:30 am *Continental Breakfast* *Foyer*

8:00 am - 9:00 am *Workshop Session 9*

You Called Me For What?????

Constellation C

Jason Bartell, RN (EC), PHC-NP

This case based presentation will examine some of the more mundane campus EMS calls - sore throat, flu, nausea/vomiting etc. It will review critical assessment information and initial pre-hospital treatment of these illnesses frequently not requiring EMS involvement or ambulance transport.

Bath Salts and Flowers - A Not So Romantic Evening

Constellation D

Zachary Wilmer Reichenbach, MS, MEd, EMT-P

Novel trends have utilized legal substances to achieve the same effects as prohibited drugs. Emerging on the scene, the flowering plant *Salvia divinorum* continues to gain popularity as a fast acting hallucinogen through its opioid-like properties. Additionally bath salts contain ingredients similar to a combination of ecstasy and amphetamines and the DEA currently considers them a “drug of concern” as multiple states work to prohibit their sale. Here we will examine both drugs with an explanation of their pharmaceutical actions and the treatment of patients suffering from acute toxicity.

Navigating Your Patient Through Maritime Trauma

Constellation E

Diana Clapp, RN, CEN, CCRN, NREMT-P

The Chesapeake Bay and other similar water ways are enticing to weekend warriors and residents throughout the state who enjoy water recreation. Unfortunately, this beloved past time when it goes awry can cause challenges for EMS providers impeding patient recovery. This class will follow a patient from injury to trauma center admission to ultimate rehabilitation.

Achieving Your Leadership Potential in EMS

Annapolis

Ari Winograd

Being a leader in any organization is challenging; being a leader in EMS is even more so. What makes a good leader? What tools are available to you as a leader? How do you build an effective team? Learn to transfer these key skills into the EMS field.

EMS Goes to Washington:

Columbia

How Providers Can Help Shape EMS for the Future

Jonathan Blatman, NREMT-P

In recent years, various national EMS organizations have recognized that political advocacy is a necessity. What is political advocacy? Why does it matter to EVERY provider? What can you do to help? In this session, you'll learn some of the reasons behind the push for a greater presence in the political landscape. EMS Day on the Hill and other ways EMS providers can get involved at all levels will be covered.

Organizing Successful MCI Drills

Constellation F

Ryan M. Speers

We will discuss how to organize a successful mass-casualty drill that improves your squad's preparedness for large incidents and improves collaboration with local and state agencies. Further, we'll focus on doing this in a fun way. We'll cover how to pick, plan, and assemble a mass-casualty drill following applicable pieces of the FEMA HSEEP framework, and making such a drill a success in a college setting. We'll discuss resources needed (and how to get them cheaply), selecting participant agencies (and how to get them involved), and publicity benefits (and risks). The end-goal is to have each attendee leave armed with key resources to make such an undertaking feasible.

Conference Schedule - Sunday, February 26, 2012

🚌 Getting Out of - the Back of the Bus

Frederick

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 can become involved!

Physio-Control EMS Skills Competition Review

Lombard/Camden

Michael T. Hilton, MD and Eric Pohl, NREMT-P

Skills Competition participants 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. Individual team performances will not be discussed.

Skills Lab: ECG Interpretation

Calvert/Pratt

Jennifer Guyther, MD; Mike Clumpner, NREMT-P; & Emilie Cobert

This lab uses sample ECGs to help participants recognize STEMI and other electrocardiographic signs and symptoms of cardiac ischemia.

Roundtable: Startup

Baltimore

Andrew S. Mener, NCEMSF Startup Coordinator

This roundtable discussion 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.

9:10 am - 10:10 am Workshop Session 10

🚒 Really Bad Things That Can Start as a BLS Dispatch

Constellation C

Roger M. Stone, MD, MS, FACEP, FAAEM

There is frequent emphasis on calling for ALS skills to manage complex cases. In this session, Dr. Stone will use case scenarios and EMD criteria to show how the EMT-B might be dispatched to emergencies with impending seriousness; and why BLS transportation could be life or limb saving. In turn, this underscores how properly performed EMD and astute BLS providers are the backbone of EMS response.

⚡ Lightning Emergencies:

Constellation D

The Shocking Truth Behind All that Voltage

Benjamin N. Abo, DO, NREMT-P

You have a much better chance of being struck by lightning than winning the lottery... especially if you live in certain parts of the US. Do you know how to keep yourself safe? Do you know when and how to clear crowds of spectators to get to safety? Do you know what are the truths and what are the common myths regarding lightning injuries? This lecture with the latest guidelines and consensus directly from the Wilderness Medical Society will provide some of the SHOCKing truths in order to keep you CURRENT on lightning emergencies so that you can BOLT into action when needed.

⚡ Response to the Critical Burn Patient:

Constellation E

Is Your Assessment and Treatment Optimal?

Mike Clumpner, PhD(c), MBA, NREMT-P

Critical care transport providers are frequently called to transport critical burn patients. This presentation will discuss the pre-hospital management of critical burn

Conference Schedule - Sunday, February 26, 2012

patients. Recent studies have found that the care provided to burn patients in the pre-hospital setting may not be adequate. The presentation will look at the assessment of burn patients and the variety of treatment modalities that are available to ensure that they are receiving optimal care. Lastly, this presentation will discuss some of the new trends in the management of burn patients in the burn unit setting.

◆Treatment and Transport of Fire Victims:

Constellation F

Cyanide and Carbon Monoxide Poisoning

Carl Bittenbender, MS, NREMT-P, FP-C

Students will learn about treatment and transport considerations for patients who have been exposed to the toxic by-products of fire. This class will briefly cover fire chemistry and human behavior during fire, the by-products of combustion, and how these by-products produce patients who challenge our medical assessment and treatment pathways. Understanding which toxic by-products a fire victim may have been exposed to influences our treatment and resuscitation efforts. What treatment modalities do we have at our disposal? Are we treating patients appropriately for what they have been exposed to? Come learn how carbon monoxide poisoning, airway burns, and acute cyanide poisoning affect our care.

✿The 'S' Word: Never Be Called a Student Again - Part I *Annapolis*

John Casey, EMT-P and Matthew Ricci, MPA, EMT-B

What is the worst thing you have ever been called in your life? If you are a campus EMT, it's that you're just a student. Being a student leader in a professional field can feel impossible most days when your enrollment defines you more than your skills. Come learn how to leverage training, conduct, and appearance to eliminate the stigmas of youth, disorganization, or inexperience.

✿Essential EMS Documentation:

Frederick

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 documentation techniques, pitfalls to avoid, and how to transition from paper to paperless record keeping as painlessly as possible - morning, noon or night!

✿Striving for Excellence in Campus EMS:

Columbia

A Retrospective Review

Mark E. Milliron, MS, MPA

NCESMF has promoted high quality campus EMS organizations through its Striving for Excellence in Campus EMS recognition program since 1999. This presentation will summarize the best practices that have been implemented by the best of campus EMS organizations over the years. The criteria for this recognition include identifying quality attributes of campus based services including consistent and trained staffing, state licensure/accreditation, compliance with risk management policies, providing insurance for liability and workers compensation, and oversight by a medical director. This retrospective will focus on how these organizations have created innovative quality assurance programs to improve campus EMS delivery, the types of professional training and development opportunities they offer their members, community outreach they have initiated that has positively impacted their campus, and community service projects in town that demonstrate the value that campus based EMS adds to the community.

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Skills Lab: Trauma Assessment and Communication *Calvert/Pratt* Maximizing Your Time and Your Words

Diana Clapp, RN, CEN, CCRN, NREMT-P and Andrea Ball, RN, CCRN

This session will utilize scenarios to highlight techniques to maximize your trauma assessment and the use of radio communication to benefit both you and your patient.

Skills Lab: Team Planning, Leadership & Communication *Lombard/Camden* Learned through the Use LEGO!

John E. Gillespie, MS, NREMT, CFC

This hands-on interactive exercise will challenge each individual to work together as a team developing the necessary planning, leadership and communications skills to complete a specific task utilizing Lego.

Roundtable: Making the Case - *Baltimore* A Guide to Communicating with Administrators

Andrew S. Mener, NCEMSF Startup Coordinator and Jessica L. Mener

Meeting with school administrators to start an organization, or simply to maintain one, can at times feel like an uphill battle. You will be asked difficult and probing questions. You will have to explain yourself to people with very little, if any, medical background. You will be met with skepticism at every turn. But, if you can develop effective communication techniques for speaking with your administration, half the battle will have been won. In this interactive small group, learn how to make the most of your meetings with your school's administration. Engage with a mock panel of administrators comprised of familiar characters such as a police chief, student health director, university dean, and risk management director. Student participants are encouraged to present real-life scenarios, either in the form of a start-up proposal or expansion plans. Participants will receive personalized guidance and pointers for how best to communicate with their administrations.

10:20 am - 11:20 am Workshop Session 11

What's Shaking *Frederick*

David Silver, MD

Responding to a seizure call can be a scary experience; seeing a patient flopping or unresponsive on the ground. However it does not need to be. Once you are armed with the cutting edge knowledge of different types of seizures and their treatment you will be ready to handle anything. Videos will help augment this session with an emphasis on seizures that may be encountered by the collegiate first responder.

Common Patient Medications *Constellation C*

Mark Forgues, MEd, NREMT-P

Ever run into a "laundry list" of patient medications when you ask for a patient history? Ever wonder what they were for or what they indicated? Although not "all encompassing" this presentation will cover the more commonly prescribed patient medications, why they are prescribed and what they mean to your treatment.

Breaking News: EMTs are Doing What? Interventions that Make a Difference! *Constellation D*

Kevin G. Seaman, MD, FACEP

Pushing the envelope connotes cutting edge pre-hospital care. When does the benefit of this new care tip the balance into practice? This discussion will cover treatments and procedures, some of which traditionally were thought to be ALS skills, that have been implemented by BLS providers. A framework, using an evidence-based approach, will be used to analyze where that tipping point may be for your service.

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◆ Penetrating Thoraco-Abdominal Trauma

Constellation E

Kent A. Stevens, MD, MPH

Penetrating trauma to the torso presents a complex diagnostic and therapeutic challenge. Injuries can occur to the heart, lung, abdomen, flank, back, and pelvis. Injuries often occur simultaneously in several body cavities with each of these regions requiring a different approach for both diagnosis and treatment. This lecture will review the initial management and stabilization of thoraco-abdominal injuries. It will also discuss the long term sequelae of such injuries.

✿ The 'S' Word: Never Be Called a Student Again - Part II *Annapolis*

Matthew Ricci, MPA, EMT-B and John Casey, EMT-P

What is the worst thing you have ever been called in your life? If you are a campus EMT, it's that you're just a student. Being a student leader in a professional field can feel impossible most days when your enrollment defines you more than your skills. Come for an *in-depth technology session* to discover tools that will eliminate the stigmas of youth, disorganization, or inexperience from your campus EMS organization.

☺ The History of EMS: Where We Have Been and Where We Are Going

Constellation F

Roger M. Stone, MD, MS, FACEP, FAAEM

Now that modern EMS is over 40 years in the making, our latest generation of EMS providers and those in collegiate systems have no recollection of "back in the day". In this trip down memory lane, Dr. Stone will recap some milestones in the genesis of modern EMS systems that every young enthusiast should know, and discuss some of the newest trends and future directions in EMS. This includes the pendulum swinging on cardiac arrest and trauma management, where ALS makes the most difference, regionalizing of specialty care, and the future of the EMS physician specialty.

☺ Introduction to Tactical Emergency Medicine Support *Columbia*

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

Tactical Medicine refers to the medical support of special operations resources such as SWAT teams. TEMS or Tactical Emergency Medicine Support has emerged as a new specialty within pre-hospital care. TEMS utilizes emergency care equipment and principles that have been modified for the realities of the tactical environment. This presentation will provide the EMS provider with an overview of TEMS and the capabilities of the Tactical Medic. Participants will gain strategies to ensure the effective transition of care between the tactical medic and conventional EMS.

Roundtable: Recruitment and Retention

Baltimore

Stephen J. Lanieri, Katie Egan, and Amanda Wong

NCEMSF National Coordinator & Regional Coordinators

For this roundtable discussion, NCEMSF Leadership will moderate conversations addressing recruitment and retention issues on college campuses.

11:30 am - 12:30 pm Final General Session - Closing Keynote

Constellation A&B

Wait, Wait, Don't Tell Me!

Interesting Facts of Knowledge Across the Spectrum of Emergency and Critical Care Medicine

Mike Clumpner, PhD(c), MBA, NREMT-P

Loosely based on the National Public Radio show, "Wait, Wait, Don't Tell Me", in dynamic lecture the facilitator will discuss many different "gems" of knowledge that have been passed along through numerous conferences, and lectures that the facilitator has attended. This fast-paced class will teach and discuss numerous fun and

Conference Schedule - Sunday, February 26, 2012

interesting facts regarding pre-hospital and critical care medical treatment. Imagine a class where the instructors have gone back through years of notes on classes and picked out only the exciting and interesting points to share! Great information for those providers who enjoy trying to stump others with lesser known but important facts of medical care!

12:30 pm - 1:00 pm *Conference Wrap-Up*

Constellation A&B

NCESMF leadership will 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 *NCESMF News*.

SEE YOU NEXT YEAR!



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

Because the membership of NCESMF 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 assistance in obtaining credit for the workshop sessions:

- As you enter a workshop session, swipe your conference ID badge equipped with RFID tag (must have requested CME upon check-in to have received) across the RFID reader located by the doorway. The reader light and monitor indicator will turn green indicating that your ID has been read and captured. Skills labs and roundtables will use paper attendance sheets instead. Please make sure you sign-in.
- You must enter within the first 10 minutes of a lecture to receive credit (The RFID reader will turn off if time has expired).
- Fill out and turn in the conference evaluation form located in your conference folder at the end of the conference at the conference registration table.
- Following the conference, visit <http://www.ncemsf.org/> to download your CME report. An email will be sent once this utility is available. Please allow up to three weeks post-conference for information processing.
- Click on the CME link under the conference heading and enter your NCESMF username and password.
- The NCESMF 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 or other information as well.

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. 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 also 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 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. Group up with another squad and eat together. After dinner, join your fellow NCEMSFers aboard the *Spirit of Baltimore* and at Club NCEMSF!

Inner Harbor

www.harborplace.com

Cheesecake Factory
(410) 234-3990

Edo Sushi
(410) 843-9804

Five Guys Burgers and Fries
(410) 244-7175

Hooter's of Baltimore
(410) 244-0367

J Paul's
(410) 659-1889

La Tasca Spanish Tapas
(410) 209-2562

Lenny's Deli

M&S Grill
(410) 547-9333

McDonald's
(410) 539-3134

Moun Wok
(410) 419-5983

Noodles & Company
(443) 220-0060

Oasis
(410) 727-1329

Saku Saku

Salad Works
(410) 605-0777

Sbarro
(410) 244-5899

Tir Na Nog Restaurant and
Irish Bar
(410) 483-8968

Uno Chicago Grill
(410) 625-5900

Food Court Also Includes

Barker's Frozen Custard

Ben & Jerry's

Chicken Gourmet

The Fudgery

Jasmine Smoothie
Marble Slab Creamery
Phillips Seafood Express
Roman Delight
Subway
Thai Noodle Bowl
Turkish Kabob & Taco Place

Powerplant Live!

www.powerplantlive.com

Premier dining and
entertainment destination
a block from Inner Harbor

Restaurant Row

Havana Club
(410) 468-0022

Joe Squared
(410) 962-5566

Leinenkugel's Beer Garden

Luckie's Tavern
(410) 223-1105

MEX
(410) 528-0128

Ruth's Chris Steal House
(410) 783-0033

TATU
(410) 244-7385

Bars/Clubs/Entertainment

Angels Rock Bar -
Nightclub/Lounge/Music
(410) 528-1999

Baltimore Comedy Factory
(410) 547-7798

Howl at the Moon -
Rock n' Roll Dueling Pianos
(410) 783-5111

Mosaic - Dance Club
(410) 262-8713

PBR Baltimore
Country and Southern Rock
(443) 680-9433

Rams Head Live! -
National & Local Music Acts
(410) 244-1131

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 one of the world's only stand alone trauma hospitals 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; (443) 220-0290

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; (443) 573-1700

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*, *Math Midway*, *Energy Efficient Cars*, *RACE: Are We So Different*, *Cells: The Universe Inside Us* and *BodyLink*. Current Imax features include *The Secret of Life on Earth*, *The Magic of Flight* and *Cirque du Soleil: Journey of Man 3D*. 601 Light St; (410) 685-5225

The National Aquarium in Baltimore - Exhibits include *Animal Planet Australia*, *Wild Extremes*, and *Jellies Invasion: Oceans Out of Balance* Pier 3, 501 E. Pratt St; (410) 576-3800

Presenter Bios

Benjamin N. Abo, DO, NREMT-P

Ben is a man without borders. Recently hooded as a graduate from medical school in San Francisco, he received his undergraduate degree in Emergency Medicine from the University of Pittsburgh. Ben has over 15 years of international emergency medicine/EMS experience. He remains active in research, education, speaking engagements, consulting and providing medical care with RockMed and PA-1 National Disaster Medical Assistance Team (DMAT). His strong interest in international emergency medicine has lead him to a career as an Emergency Medicine physician. Ben is the president and founder of U.R.G.E.N.T. (www.URGENT-Aid.org), a non-profit organization charged with developing emergency care and access to care in developing countries that currently are operating in Ethiopia & Uganda. Ben also is a proud graduate of the Carolina Wilderness EMS Externship and is currently completing his fellowship in wilderness medicine from the Wilderness Medical Society as well as a master of public health from Touro University.

David Adler, NREMT-P

A former United States Army combat medic, David Adler is a decorated police sergeant with 20 years of service. He has held leadership positions in various and diverse venues, including the US Army, police patrol divisions, and a multi-jurisdictional narcotics task force. A member of the University of Pennsylvania Police Department's Emergency Response Team, he currently serves as the team's tactical paramedic and leads its tactical emergency medicine program.

Andrea Ball, RN, CCRN

Andi is an extremely experienced nurse currently active in the Trauma Resuscitation Unit of the R Adams Cowley Shock Trauma Center and is committed to the education of her colleagues and the EMS providers with which she interacts.

Nicholas A. Barbu, EMT-P

Nicholas Barbu is a former member of Franklin Pierce University EMS in Rindge, NH serving 3 of his 4 years of undergraduate time as Chief of Department. Nick is currently a Paramedic, Firefighter and a Lieutenant for the Dix Hills Fire Department on Long Island, NY and a Medical Specialists on Suffolk County's Urban Search and Rescue Task Force 1.

Jason Bartell, RN(EC), PHC-NP

Jason Bartell is a primary health care nurse practitioner who graduated from the Council of Ontario University Programs in Nursing Primary Health Care Nurse Practitioner program at the University of Windsor. Jason initially obtained his Bachelor of Science in Nursing from the University of Windsor. After graduating from nursing, he worked as a registered nurse in intensive care unit/coronary care unit in Windsor. He is actively involved in educating health care professionals in the area of basic life support and pediatric advanced life support. His practice as a nurse practitioner focuses on health promotion and prevention, chronic disease management and acute/urgent care.

Lisa M. Basgall, MA, LP, NREMT-P

Lisa Basgall is currently the EMS Director at Rice University, where she has served for the past three years. Lisa completed her undergraduate degree at Marquette University ('93), and her master's degree at Villanova University ('99). She is also an EMS Educator, serving as a Texas certified ALS Course

Coordinator and EMS educator at Rice, teaching EMT-Basic and Advanced EMT courses. Prior to moving to Houston, Lisa worked and volunteered as a paramedic and EMS educator in the Greater Philadelphia area for ten years.

Carl Bittenbender, MS, NREMT-P, FP-C

Carl Bittenbender has more than 14-years experience as a firefighter/medical provider. He has been teaching various fire and EMS related topics for more than 9 years. Currently, Carl is employed as a Lieutenant with Evesham Fire-Rescue located in southern New Jersey (Philadelphia suburbs). He is also employed by Virtua Health System as a paramedic. He holds a Master of Science in Public Safety Administration and is nationally-certified as a fire officer and fire instructor and is a state-certified EMS instructor. His career in emergency services started as a member of the University of Delaware's Emergency Care Unit.

Jonathan Blatman, NREMT-P

Jon Blatman is active across many forms of EMS. He is the Pennsylvania State Advocacy Coordinator for the NAEMT. He works part time as both a street and critical care transport paramedic, and is also a part-time health sciences student. Jonathan still volunteers as an EMT and is a Lieutenant with West Chester University's Campus EMS organization.

Brian R. Brauer, RN, MED

Brian Brauer has worked in EMS since 1987. He became interested in first aid as a Boy Scout, and has progressed from an EMT with the University of Illinois student EMS group, Illini EMS, to a paramedic with an emergency ambulance service. He then worked as a Trauma Nurse Specialist and EMS System Coordinator. He has volunteered with the Edge-Scott Fire Protection District as a Captain and EMT since 1992. Since 2000 he has worked at the Illinois Fire Service Institute, the statutory state training agency for Illinois, where he currently works as the Associate Director. He shares advising responsibilities for IEMS, and conducts collaborative research on topics related to Homeland Security.

H. Bucky Buchanan

Bucky Buchanan is an EMT/Rescue Technician with the Clinton First Aid & Rescue Squad in Hunterdon County, NJ, responsible for EMS Operations. He holds positions with FEMA Region II as a DAE Planning Specialist, with the Center for Domestic Preparedness as an Indirect Trainer, is Senior Instructor and President of RVESCUE, LLC a consulting firm in Central NJ. Chief Buchanan also serves on the NJ EMS Task Force's Incident Advance Team as the State's Staging Officer.

Frank A. Caria, MPA, CHC, AEMT

Frank has been active in EMS for 16 years in many roles. He has developed and revamped QA Programs, Compliance Programs and CME systems. While under his command, Dix Hills Rescue received the NY State EMS Agency of the Year. He earned his Masters in Public Administration in 2003, and his National Certification in Healthcare Compliance in 2009. He obtained his BA from Muhlenberg College 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 and consults in Risk Management.

Presenter Bios

John Casey, EMT-P

John was the Director of Field Operations for UMass Lowell EMS from 2007-2010. He is currently the Assistant Operations Manager for a private 911 provider responsible for five cities in Massachusetts and New Hampshire. John has extensive experience as a clinical educator and has won many awards, including the 2010 NCEMSF Collegiate EMS Provider of the Year.

Angela R. Cirilli, MD, RDMS

Angela Cirilli is an Assistant Professor of Emergency Medicine at the Hofstra North Shore-LIJ School of Medicine. After graduating with a medical degree from the Medical College of Wisconsin, she completed an emergency medicine residency medicine at Henry Ford Hospital in Detroit, followed by an Ultrasound Fellowship at North Shore University Hospital, where she works currently.

Diana Clapp, RN, CEN, CCRN, NREMT-P

Diana began her medical career as an EMS provider and subsequently moved forward into nursing, focusing on critical care and emergency care. Currently, she is a senior clinical nurse at the R Adams Cowley Shock Trauma Center in Baltimore, MD and is active in pre-hospital and hospital education.

Mike Clumpner, PhD(c), MBA, NREMT-P

Mike Clumpner is the CEO and senior partner with Nimshi International, a Charlotte, North Carolina based-company specializing in providing homeland security training and consulting, public safety training, disaster response training, tactical medicine training and response, critical care medical education, expert medical legal review, and healthcare consulting. Mike is also a full time fire captain/paramedic with the Charlotte Fire Department - Special Operations Division. Mike is a decorated 20-year veteran of the fire service. Mike is a FEMA Medical Task Force Leader assigned to North Carolina Urban Search and Rescue Task Force 3 (NCTF-3) and has worked since 2004 as a helicopter flight paramedic with Regional One Air Medical Service, located at a large Level I trauma center in Spartanburg, South Carolina. Mike is also an assistant professor in the Emergency Health Science Department at the University of Maryland at Baltimore County where he is responsible for program development and instruction.

John J. Cvach II, AA, NREMT-P

John Cvach has been involved in emergency services for the past 16 years. Currently, he is a full-time Paramedic/Firefighter with the Anne Arundel County Fire Department and part-time Paramedic in Queen Anne's County. He also serves as the Medical Team Manager for Maryland USAR Task Force 2 and is a Maryland certified emergency services instructor. He teaches for the University of Maryland and Anne Arundel Community Colleges, as well as, the Johns Hopkins, and Sinai Hospitals.

Teresa Deak, MD

Teresa Deak is a third year emergency medicine resident at North Shore - Long Island Jewish Medical Center. She received her medical degree at Northeastern Ohio Universities College of Medicine. Throughout her career Dr. Deak has been actively involved in teaching.

Laura Diegelmann, MD

Laura Diegelmann is a Clinical Instructor in Emergency Medicine at the University of Maryland School of Medicine in Baltimore where she also trained in Emergency Medicine. She sub-specialized in Pre-hospital Aero-medical Retrieval with CareFlight in Queensland, Australia and is currently in an Ultrasound Fellowship at the University of Maryland and working clinically at Maryland General Hospital.

Fred Ellinger, Jr., NREMT-P

Fred Ellinger, Jr. has over 20 years of EMS operations, EMS management, instruction, firefighting and rescue experience. He is the owner/operator of SafeTec Training Services, a Pennsylvania Bureau of EMS approved continuing education sponsor and trainer for many healthcare agencies and corporations in the tri-state area. He is the Operations Chief of Clinton First Aid and Rescue Squad, Clinton, NJ and also serves as a flight paramedic for MidAtlantic MedEvac, Hahnemann University Hospital, Philadelphia, PA and is an original/active Medical Specialist with PA Urban Search and Rescue Response System's PA Company 2 and the Bucks County Technical Rescue Task Force.

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

Mark 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 Assistant Director for EMS and Disaster Medicine at Baylor College of Medicine.

Christopher B. Flanagan, EMT-P

Chris Flanagan has served as Chief of Operations of the Volunteer Medical Service Corps of Lower Merion & Narberth in suburban Philadelphia for the past 20 years. In 2009, he was named as volunteer of the year by the Pennsylvania Health Services Council. He has dedicated his life to public service. In addition to his EMS accomplishments, he is a police Sergeant in Radnor Township and is in charge of the Traffic Safety Division. He is committed to further education and serves on the training committee for the Lower Merion Fire Department. He also is the training officer and Assistant Chief of the Gladwyne Fire Company.

Mark Forgues, MEd, NREMT-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.

David R. Fowler, MD

David Fowler is Chief Medical Examiner for the State of Maryland. He is a forensic pathologist by training and has worked at the OCME since 1993, and been in forensic

Presenter Bios

pathology since 1986. He started his medical career at age 18 as a medic in the Rhodesian army and then attended medical school. He is Board Certified by the American Board of Pathology in Anatomic and Forensic Pathology and is an Assistant Professor of Pathology and of Pediatrics at the University of Maryland. He teaches nationally and internationally for the FBI and the State Department.

Samuel M. Galvagno, Jr., DO, PhD

Major (Dr.) Samuel Galvagno is the Deputy Chief of Professional Services and Director of Critical Care Air Transport Team Operations at the 459th Aeromedical Staging Squadron, Joint Base Andrews, MD, United States Air Force Reserve. He is also an Assistant Professor at the University of Maryland School of Medicine and an attending trauma anesthesiologist and intensivist at the R Adams Cowley Shock Trauma Center. He is an active investigator with an interest in aeromedical critical care and pre-hospital medicine. He holds a PhD from the Johns Hopkins Bloomberg School of Public Health, and is board certified in Anesthesiology, Critical Care Medicine, and Public Health.

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

Eric Marlowe Garrison is a forensic and clinical sexologist, university administrator, consultant for universities and NCAA teams, medical school lecturer, and internationally bestselling author. In the areas of sexual assault and intimate partner violence prevention, Eric has devoted two decades to training groups around the world - from Oxford, Mississippi, to Oxford University. Eric has presented on sexuality and healthful relationships to countless universities with NCEMSF membership. You may learn more about Eric at www.ericmgarrison.com.

John E. Gillespie, MS, NREMT, CFC

John graduated from Villanova University in 1992 with a Bachelor of Arts in Sociology and Minor in Business Management. John holds a Master of Science degree in Public Safety Management from Saint Joseph's University. While at Villanova he was one of the founding members of Villanova Emergency Medical Service (VEMS), served a few years as the Operations Specialist, and has been the Staff Advisor for the last 3 years. John is currently employed as the Communications Coordinator for PennSTAR Flight, the aeromedical service of the Hospital of the University of Pennsylvania. He is the EMS Chief of the Radnor Fire Company Ambulance, Wayne, PA and has been an active firefighter / EMT there for over 15 years. In addition, John is a PA State Certified Fire Instructor and a member of the Montgomery County Urban Search and Rescue Team and Incident Support Management Team

Michael Guttenberg, DO, FACEP, FACOEP

Michael Guttenberg is an Assistant Professor in Emergency Medicine at the Hofstra North Shore-LIJ School of Medicine and the Director of Emergency Medicine at North Shore Forest Hills Hospital in New York City. Dr. Guttenberg's career in EMS and Emergency Medicine has included The Fire Department City of New York EMS Fellowship (an on site Medical Director on 9/11/01), Chair of the New York City REMAC Medical Standards Committee, Board of Directors of NY Chapter of the American College of Emergency Physicians (ACEP), and Chair of the NYACEP EMS Committee. He has published several abstracts and articles related to disaster preparedness and pre-hospital care. He is a former NYC Paramedic and former Director of the Brandeis Emergency Medical Corps.

Jennifer Guyther, MD, EMT-B

Jennifer Guyther is a fourth year resident in Emergency Medicine and Pediatrics at the University of Maryland. She has been involved in EMS for the past 10 years and was coordinator of her college EMS squad. She is also an active member of the Jacksonville Volunteer Fire Department and is EMS Captain.

Elisabeth Jannicky, MD

Elisabeth Jannicky is currently a third year resident in Emergency Medicine at North Shore University Hospital in Manhasset, NY. She has a particular interest in sports related injuries. She will begin a Sports Medicine fellowship in July working with Division I athletes at the University of Arizona.

Benjamin J. Lawner, DO, EMT-P, FAAEM

Ben Lawner obtained his EMT certification in 1994 and worked as a paramedic/firefighter prior to his emergency medicine residency at the University of Maryland. Dr. Lawner completed fellowships in faculty development and pre-hospital care. Dr. Lawner was a founding member of the University of Florida's BLS rescue squad. He currently serves as the Deputy Medical Director for the Baltimore City Fire Department. Dr. Lawner provides medical oversight for regional pre-hospital education programs including the EMT program at the Community College of Baltimore County and the Critical Care Transport Course at the University of Maryland, Baltimore County.

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

Matthew Levy has been involved in pre-hospital emergency medical services for over 16 years. Dr. Levy's career began as a volunteer EMT-B, later becoming a paramedic and now as an emergency physician. Dr. Levy is an Assistant Professor of Emergency Medicine at Johns Hopkins University School of Medicine. Dr. Levy is a Senior Medical Officer with the Johns Hopkins Center for Law Enforcement Medicine. He is the Medical Director for the Department of Emergency Health Services at the University of Maryland Baltimore County and is the Associate Medical Director of Howard County (Maryland) Fire & Rescue.

Ron Lewis, NREMT-P

Capt. Ron Lewis is the commander of the Maryland State Police Eastern Troop. Prior to assuming that role in August of 2011, he was the commander of the Maryland State Police Special Operations Division, overseeing units that include SWAT, K-9, Search and Rescue, Incident Command and Control, Underwater Recovery, and Tactical Medicine. The majority of his career with the Maryland State Police has been as a flight paramedic and he is a former assistant commander of the Aviation Command. Capt. Lewis has been actively involved in EMS for 36 years and a nationally registered paramedic since 1981. His experience includes pediatric and neonatal transport, heavy and tactical rescue, advanced open water SCUBA, and tactical medicine. He was named the 1987 "Paramedic of the Year" in Norfolk, Virginia, and has twice received the Maryland "Star of Life" Award. One of the original flight paramedics for Nightingale Air Ambulance Service in Norfolk, Virginia, he holds a bachelor's degree from the University of Maryland University College, is a graduate of the National Fire Academy EMS Command Management School, is on the EMS program teaching staff at Wor-Wic Community College, and is an EMS and ACLS instructor at Peninsula Regional Medical Center in Salisbury, MD.

Presenter Bios

Daren McAuley, DO

Daren McAuley started in EMS at the age of 14 at the Plainfield Rescue Squad in Plainfield, New Jersey. He subsequently moved on to be the coordinator of EMS at Vassar College prior to attending medical school. He completed his medical education and internship at the University Of Medicine & Dentistry of New Jersey (UMDNJ). He then completed a dual residency program in neuromuscular medicine and osteopathic manipulative medicine. In an effort to provide additional procedures to his patients he then undertook a primary care sports medicine fellowship in Reading, Pennsylvania. Currently Dr. McAuley is an assistant professor of OMM at the Philadelphia College of Osteopathic Medicine and is the osteopathic consultant for the Philadelphia Phillies. Dr. McAuley is also a flight surgeon with the Delaware Air National Guard and has been on multiple deployments.

Mark E. Milliron, MS, MPA

Mark Milliron has been an EMS provider for 30 years, including 17 years with Penn State University EMS. A life member of NCEMSF, he served on the Board of Directors from its inception until 2011. While on the Board, he served as Chairman of the Temporary Governing Committee during the formal organization of NCEMSF, Treasurer, and Director-at-Large. He conceived and oversaw the Striving for Excellence in Campus EMS recognition program, promoting quality campus EMS organizations since the inception of the program in 1999. He is a full-time faculty member in the Department of Health Policy and Administration at Penn State. He holds master's degrees in public administration and health policy.

Joshua Moskovitz, MD, MPH

Joshua Moskovitz is a former Chief of the Stony Brook Volunteer Ambulance Corps and helped his group achieve NYS 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 completed 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. He is a practicing Emergency Physician and Assistant Professor of Emergency Medicine at the Hofstra North Shore-LIJ School of Medicine.

Mark E. Pinchalk, MS, EMT-P

Mark Pinchalk is a paramedic crew chief with the City of Pittsburgh EMS with over 26 years of experience. 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 serves as an advisor to the University of Pittsburgh Student EMS organization.

Dwight A. Polk, MSW, NREMT-P

Dwight Polk is the Paramedic Program Director at the University of Maryland Baltimore County (UMBC) in Baltimore, MD. 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. In addition to being a fulltime educator, he is a volunteer paramedic and co-author of two textbooks by

Jones & Bartlett - "Prehospital Behavioral Emergencies and Crisis Response" and "Law Enforcement Responder: Principles of Emergency Medicine, Rescue, and Force Protection." Dwight has written for JEMS, publishing several articles on mental disorders, and he has an interest in behavioral emergencies, suicide, and wellness issues.

Zachary Wilmer Reichenbach

Zachary's first exposure to EMS came from the times he would steal his brother's EMT textbook. During high school, Zachary volunteered as a First Responder and then an EMT at Cetronia Ambulance Corps in Allentown, PA. Zach attended Temple University as a Medical Scholar and graduated with a degree in Biology in 2007. During his time at Temple, Zachary helped found Temple University EMS. After graduation Zachary stayed at Temple University to pursue a dual MD/PhD. Currently Zachary is working on the graduate portion of the program in the Department of Cellular and Molecular Physiology. His research interests focus on the use of cannabinoid agents in cerebral ischemia and their ability to ameliorate the effects of stroke. He also remains active in TUEMS and serves as the Director of the program overseeing day to day operations and long term planning and development.

Matthew Ricci, MPA, EMT-B

Matt Ricci was the Director of Operations for UMass Lowell EMS from 2007-2010. He has since moved to New York City to pursue a career in Emergency Management. He is currently an Emergency Planner for a Manhattan hospital and a member of NY-5 DMAT. Matt's work with emerging technologies streamlined campus EMS operations and is now being used toward new solutions in emergency management.

Gates Richards, MEd, WEMT-I

Gates Richards was a member of the Georgetown Emergency Medical Response Service in 1994 for the inaugural NCEMSF conference. Since then, he has worked in EMS and outdoor education across the country. He has been an EMT in Washington, DC; Seattle, WA; Pitkin, CO; and is currently an EMT-I in Lander, WY. He has worked with Search and Rescue teams in Gunnison County, CO and Fremont County, WY. He has been a wilderness instructor for Wilderness Ventures, The Overlake School and the National Outdoor Leadership School (NOLS) throughout the western US and Alaska. He is the Special Programs Manager and EMT Director for the Wilderness Medicine Institute of NOLS, and has been teaching wilderness medicine around the world since 1998.

Clay Richmond, NREMT-P

Clay Richmond is the President and Chief Executive Officer of Special Events Medical Services, a private special event EMS company that he founded in 1997 and the author of the book *Special Events Medical Services* published by Jones and Bartlett. Clay began his career in EMS at Franklin Pierce University in 1991 as an EMT-Basic, then rapidly progressed to become a paramedic. In 1993 he joined the Baltimore City Fire Department where he worked on Medic 7, the busiest paramedic unit in the country at that time. Clay also instructed paramedic courses during these years, as well as taught rescue technician and counterterrorism courses. He holds Black Belts in Aikido, Ju-Jitsu and Judo and in 2000, he was named a Young Business Person to Watch, and in 2007 was named in Top 40 Under 40—a top business person under age 40 years. Clay also volunteers with the Cystic Fibrosis Foundation and the Multiple Sclerosis Foundation in his spare time.

Presenter Bios

Frank Sabatino, MD

Frank Sabatino completed residency training in emergency medicine at Synergy Medical Education Alliance at Michigan State University College of Human Medicine. He is a Clinical Instructor and board certified practicing emergency medicine physician at North Shore-Long Island Jewish Medical Center.

Kevin G. Seaman, MD, FACEP

Kevin Seaman is a 20th century graduate of Georgetown University (pre-GERMS) and a double Hoya! Early EMS experiences were shaped by Hap Arnold at GU. Following Medical School, serving in the US Navy, he transported many patients via ground and air ambulance to tertiary care. Currently he serves as the full time medical director for Howard County (Maryland) Department of Fire and Rescue with interests including maximizing cardiac arrest survival and improving STEMI cardiac care.

David Silver, MD

David Silver was a volunteer firefighter and certified first responder in his home town of Port Washington. In college he was the captain of the Hopkin's Emergency Response Unit. He completed medical school at the University of Chicago and then an emergency medicine residency at the University of Cincinnati where he served as a flight physician and a tactical physician for the Cincinnati Police SWAT team. He is currently working in the North Shore/LIJ Hospital System in New York.

Michael Smith, MPH, EMT-B

Michael Smith has been involved in EMS for over 20 years. His current full time occupation is in Account Management for the American Heart Association's Emergency Cardiovascular Care Programs. Mike's EMS experience includes work in career and volunteer departments, serving as EMS Supervisor at Rutgers University, New Brunswick, NJ. Michael continues to volunteer in EMS, currently serving as Captain at the Milltown Rescue Squad (NJ). He also volunteers as an EMS Officer for the Middlesex County Office of Emergency Management. Michael completed his MPH Degree, which included a study of resuscitation practices of Emergency Medical Technicians. He is a Life Member of NCEMSF.

Clifford T. Solomon, MD, FACS

Dr. Solomon is a board certified attending physician and Assistant Professor of Neurosurgery at the Johns Hopkins Hospital in Baltimore. He completed his medical school education at the Medical College of Pennsylvania and did the majority of his clinical training at Johns Hopkins. He completed a fellowship in neuro-oncology at Memorial Sloan Kettering in New York. He is well published and a member of all the expected academic societies. He is also Co-Director of Angels of the OR, a foundation established to provide state-of-the-art neurosurgical services to patients when financial and insurance availability does not exist.

Sarah Sommerkamp, MD

Sarah Sommerkamp is a Clinical Instructor in the Department of Emergency Medicine at the University of Maryland School of Medicine, here she completed her residency in emergency medicine and fellowship training in emergency ultrasound. She has taught emergency ultrasound locally and internationally. She is the Director of Emergency Ultrasound at Maryland General Hospital, where she works currently.

Ryan M. Speers

Ryan entered EMS as a freshmen at Dartmouth College, and served as Training Officer, Operations Officer, and Director of Dartmouth EMS. During his four years, the squad grew from cell-phone dispatched campus response in personal vehicles to toned-pager and radio response in an entirely squad-funded fast response vehicle. Ryan's focus outside of Collegiate EMS became disaster medicine, and he served on a Dept. of Homeland Security Metropolitan Medical Response System team as well as a US Dept. of Health & Human Services Disaster Medical Assistance Team (DMAT). He holds Tactical EMT and HazMat Ops training. Ryan enjoys applying the lessons-learned from these experiences to the Collegiate EMS setting to help squads better practice and prepare for mass-casualty scenarios as well as improve day-to-day campus care.

Deborah M. Stein, MD, MPH, FACS, FCCM

Deborah Stein is an Associate Professor in the Department of Surgery at the University of Maryland School of Medicine. She is the Medical Director of the Neurotrauma Critical Care Unit and the Chief of Critical Care at the R Adams Cowley Shock Trauma Center. Dr. Stein's primary research interests are in traumatic brain injury, biomechanics of injury, and functional outcome following traumatic injury.

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

Chris 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.

Kent A. Stevens, MD, MPH

Kent Stevens is an Assistant Professor in the Department of Surgery, Division of Acute Care Surgery: Trauma, Critical Care, Emergency and General Surgery, at Johns Hopkins Hospital. He also holds a joint appointment at the Johns Hopkins Bloomberg School of Public Health. Dr. Stevens' research centers on the burden of injury and injury prevention in the developing world. As the Associate Director for Clinical Services and Trauma Care in the International Injury Research Unit (IIRU) at the Johns Hopkins Bloomberg School of Public Health, Dr. Stevens oversees the ongoing efforts to define, prevent, and treat injury in the developing world.

Roger M. Stone, MD, MS, FACEP, FAAEM

Roger Stone is a life-long Marylander, educated at three campuses of the University of Maryland. An early interest in care of the ill and injured dates back to age 11, growing up in Montgomery County, MD as a son of NIH researchers. During college and medical school, he trained and volunteered as an EMT in Mount Airy. While in EM residency in Delaware, he was involved in EMS research with New Castle County ALS that added pulse oximetry to their skills. After four years in community EM, he returned to academics as the first fellow of the UMB/UMBC EMS fellowship, which he completed in 1998 with a Master's in Emergency Health Services. He remains on Faculty at Maryland. His current interests remain resident and fellow teaching, EMS quality management, physician oversight of EMS systems, elevating the status of the vocation of EMS, hands-on provider teaching, and 911 dispatch oversight.

Presenter Bios

Matthew Topitzer

Matthew Topitzer is a sophomore Business Management student at the University of Delaware. He holds the position of Director of Training with the University of Delaware Emergency Care Unit. Topitzer is also an Army ROTC cadet and certified as a Combat Life Saver (CLS).

Benjamin R. Usatch, MD, NREMT-P

Ben Usatch is an Emergency Medicine Physician serving in the Philadelphia area. He has been involved in EMS for over 25 years and currently serves as the Montgomery County regional medical director as well as the medical director for several hospital and community based organizations. He has written several articles and is involved in EMS education at the local and national levels.

David A. Vitberg, MD

David Vitberg is an Assistant Clinical Professor of Emergency Medicine at the University of Maryland School of Medicine and is the Associate Medical Director of the Baltimore County Fire Department. He remains an active emergency responder as an attending physician on the R Adams Cowley Shock Trauma Center Go-Team and as a firefighter in Baltimore County. Dr. Vitberg is an AQA graduate of Upstate Medical University, completed his combined residency in Emergency Medicine and Internal Medicine at the University of Maryland Medical Center, and fellowship in Critical Care Medicine at the National Institutes of Health. He is triple boarded and practices Critical Care Medicine at Mercy Medical Center in Baltimore. He is a proud alumnus of the Brandeis Emergency Medical Corp.

Marsha Lynn Williams, MEd

Marsha Lynne Williams has a BA in Speech Communications from Hampton University and a MEd in Education from Neumann University. She is currently enrolled in a doctoral program in Higher Education at Immaculata University. As the Assistant Director of Admissions, at Philadelphia College of Osteopathic Medicine (PCOM), Marsha is responsible for the recruitment of the Doctor of Osteopathic Medicine and the Doctor of Pharmacy programs. She is a strong supporter of the Student National Medical Association (SNMA) and is committed to reducing health disparities among minority populations. She is an active board member of National Association of Minority Medical Educators-NE serving as secretary and a member of Delta Sigma Theta Sorority.

James W. 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.

Ari Winograd

Ari Winograd is an EMT and Training Officer with a Boston based EMS service. He has been involved in EMS since his second semester of freshman year at Clark University in Worcester, MA. He has served as a volunteer with Magen David Adom and has worked extensively helping to redesign the training program at his ambulance service.



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 communities.



Richard W. Vomacka Student Speakers and Original Research Presenters

Bartholomew C. Grabman

Bart Grabman is a senior biology major and chemistry minor at Willamette University in Salem, Oregon. He is a current Co-Director and Supervisor of Willamette University EMS, and plans to attend Paramedic school in Oregon in the fall.

Matthew Green and Rebecca Schwartzman

Matt and Becky have been an integral part of SUNY Cortland Campus Rescue leadership since 2008. As graduating seniors and current Chiefs of the department, these two have several millennia of combined experience in being told what they cannot accomplish, and doing it anyway. Matt is a New Communication Media major, and Becky an Athletic Training major. The two enjoy being full-time superheroes.

Scott Kobner

Scott is a junior at Emory University majoring in Biology and minoring in Ethics. Scott became interested in medicine, biomedical research, and the ethics associated with both after placing as a National Finalist in the Young Epidemiology Scholars competition in 2008. From then on, Scott has been actively engaged in biomedical research at both the University of Pennsylvania's Gene Therapy Program, devising novel genetic treatments for familial hypercholesterolemia, and Emory's Yerkes National Primate Research Center, helping to elucidate many features of the lesser-studied *Plasmodium vivax* malaria infection. After obtaining his EMT-I85 certificate and Georgia licensure, Scott has been a highly active medic for Emory EMS—serving as a mentor for the Emory EMS EMT education program and a member of the Planning and Development committee. Scott has also put his clinical skills to use internationally as the treasurer for Emory's Global Medical Brigades organization. Apart from his academic and clinical interests, Scott is an avid musician, SCUBA diver, snowboarder, and supporter of education reform.

Tom Latosek

Tom is a second year undergraduate student at Bucknell University studying Biology and Psychology. Tom currently serves as the EMS Chief for Bucknell EMS. Tom is a CT certified Advanced EMT and PA certified EMT and has five years of experience in volunteer and commercial EMS. In addition to volunteering and working as an EMT, Tom works for Bucknell Sports Medicine with its varsity football club hockey programs and is an AHA BLS instructor.

Jessica LeBel

Jessica is an undergraduate student pursuing a degree in social work at Cedar Crest College. For the past four years Jess has served the public as an EMT-B and is Lieutenant of the Cedar Crest College EMS service. She has worked in a number of capacities in Emergency Medical Services for the Lehigh Valley community as well as in her home state of Massachusetts. She is a center midfielder and captain of the NCAA Cedar Crest College Women's Soccer team. Jessica is interested in a career in public health and hopes to become an ER physician and travel abroad working with international relief organizations.

Jonathan Lyons

Jonathan is a Southern California native and currently an undergraduate student in his fourth year at the University of California, Los Angeles in pursuit of a Psychobiology degree. Jon began working in the emergency medical field during his second year as an undergraduate with UCLA EMS as an EMT-B,

and currently is the squad's Maintenance Coordinator. Jon has also worked as a Critical Care Transport EMT. He is an avid fan of the outdoors. Whenever Jon is able to get out of town he enjoys competing in triathlons, mountain biking, any team sport, as well as fishing and camping. Jon likes to live his life by the slogan "Be Bold, Every Day!"

Sean McMullen

Sean is currently attending both Arizona State University for a BS in Microbiology and Scottsdale Community College for an AAS in Emergency Response and Operations, Paramedic track. In 2008, Sean began the Student EMS program at ASU, and has served as its Chief ever since. In 2009, he enlisted in the US Army National Guard as a Healthcare Specialist, colloquially known as a Combat Medic. The Army has sent Sean to various locations around the US and Germany as part of his training, and he also teaches various healthcare-related courses to both medical and non-medical Soldiers.

Abby Tapper

Abby is a second semester junior at Muhlenberg College. She was born and raised just outside of Boston, Massachusetts. She is a theatre major, with a minor in public health. She aspires to receive her paramedic certification before continuing on to graduate school where she will study for her Master's degree in Public Health. She spent August to December 2011, in South Africa conducting the research she is presenting at NCEMSF.

Charley Warner

Charley is a senior undergraduate student at the University of Pittsburgh, majoring in Emergency Medicine. He has completed his paramedic training at the University of Pittsburgh: School of Health and Rehabilitative Science / Center for Emergency Medicine. His focus is on EMS Education, with a career goal of EMS education. He is currently completing an internship at the Center for Emergency Medicine as an instructor in its EMT-Basic program. Mr. Warner has been involved in the EMS field for 7 years, serving with various types of Emergency organizations. He is the Assistant Chief of Foxwall EMS, and works as a paramedic for local Pittsburgh EMS agency Monroeville Fire Department #1. Charley is also a research assistant for the EMSARN research study (www.emsarn.org) at the University of Pittsburgh Department of Emergency Medicine, and was recently a coauthor of an article presented in Prehospital Emergency Care.

Kevin Wickersham

Kevin is a junior at Boston College double-majoring in Psychology and Sociology. He plans to attend graduate school for a degree in emergency management and pursue a career in firefighting and paramedicine. Kevin joined Eagle EMS of Boston College as a freshman and rapidly progressed through the ranks to supervisor and Co-Director of Operations midway through his freshman year. He served as Director of Operations as a sophomore and currently serves as Vice President. Kevin was instrumental in writing and instituting Eagle EMS' first formal set of Standard Operating Guidelines. He worked with the Boston College administration to propose the acquisition of a Class V ambulance, and to license Eagle EMS as an ambulance service in Massachusetts. He has worked closely with the Boston College Office of Emergency Management and Athletics Department to establish Eagle EMS as the primary medical response agency for all athletic events and as a key stakeholder in all special events and disaster planning.

NCEMSF Leadership Bios

NCEMSF EXECUTIVE BOARD

George J. Koenig, Jr, DO

George Koenig, NCEMSF President, is an Assistant Professor of Surgery in the Division of Acute Care Surgery at Thomas Jefferson University Hospital. He completed a surgical critical care fellowship at The Johns Hopkins Hospital in 2010. Prior to that, he did his general surgery residency training at the Mercy Catholic Medical Center in Philadelphia. 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. He has served as President since 1996.

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, 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 FD and EMS, eventually upgrading his level of training to NREMT-I and becoming cross-trained in the fire service. In May 2000, Scott received a PhD in analytical chemistry from Clemson University. Professionally Scott is a senior implementation analyst with the Informatics section of the Scientific Instruments 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 Whitemarsh Ambulance in the Philadelphia suburbs and serves on the board of trustees of that organization.

Joshua A. Marks, MD

Joshua Marks, NCEMSF Secretary, is a senior general surgery resident at Thomas Jefferson University Hospital in Philadelphia, PA. He spent last year as a research fellow in the Division of Traumatology, Emergency Surgery and Surgical Critical Care at the Hospital of the University of Pennsylvania. He received his Doctor of Medicine degree from Jefferson Medical College in June 2007, and his BA in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998 as a member of VMSC of Lower Merion and Narberth. Joshua sits on VMSC's Board of Directors and currently serves as Treasurer. He has served as the Corps' Secretary, Membership Chair, and BLS Training Coordinator. While at Columbia, Joshua served as the Chief Medical Officer and Executive Director of Columbia University EMS. Joshua became involved with NCEMSF in 2000. 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. He obtained his MD from the University of Arkansas for Medical Sciences. 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, he volunteered as an NREMT-I with Emory EMS and served as Vice-President of CPR @ Emory, an organization designed to provide low-cost CPR training to the community. He became involved with NCEMSF in 1998 as Director-at-Large and has served as Treasurer since 2001.

Michael T. Hilton, MD

Michael Hilton, Director-at-Large, is an emergency medicine resident at the University of Pittsburgh Medical Center in Pittsburgh, PA. He received his Doctor of Medicine degree from the University of Pittsburgh School of Medicine in 2009, and his Bachelor of Arts degree in History from Columbia University in 2005. While at Columbia, Michael served as Captain of Columbia University EMS. He has also been a member of the Town of Mamaroneck Fire Department and Town of Mamaroneck/Village of Larchmont Volunteer Ambulance Corps. After residency, Michael will complete an EMS Fellowship in the Department of Emergency Medicine at UPMC. He is the recent recipient of the Society for Academic Emergency Medicine (SAEM)/Physio-Control EMS Fellowship grant. He is currently involved in EMS research, EMS education, medical direction and field response as a City of Pittsburgh EMS Physician and flight physician with STAT MedEvac. Michael became involved with NCEMSF in 2001. He served for four years as NCEMSF's New York Regional Coordinator and six years as the National Coordinator before becoming a Director-at-Large.

Les Polk

Les Polk, NCEMSF Director-at-Large, has been involved in EMS since 2004. He graduated from Muhlenberg College in 2008, with a BS in Natural Science with a Minor in Music. He has completed graduate coursework in Biomedical Sciences from Philadelphia College of Osteopathic Medicine. He is furthering his EMS education at the Freda and Robert N. Brown Paramedic Program at Union County College in Plainfield, NJ with Clinical Sponsorship from Robert Wood Johnson-University Hospital. While at Muhlenberg, Les served as Infection Control Officer, Secretary, First Lieutenant, and Captain of Muhlenberg College EMS. He was named Most Improved Member in 2005, Member of the Year in 2006 and 2008, and Life Member in 2008. He serves as a Task Force member of the PA Emergency Health Services Council, the statewide independent advisory council for the PA Department of Health-Bureau of EMS, serving on the EMS Education and the Clinical/Field Committees and represents NCEMSF's interests as a PEHSC Council Member. He previously served as NCEMSF's Pennsylvania Regional Coordinator. Professionally, he is the Training and Quality Assurance Coordinator for the NJ Association of the Deaf-Blind, a private, non-profit, human services agency. He is a BLS Instructor for St. Clare's Health System in Dover, NJ and a BLS and PHTLS Instructor for Community Safety Consultants in Metuchen, NJ.

NCEMSF Leadership Bios

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. She is currently employed in state government as a health information technology program manager, implementing innovative data transport and HL7 messaging solutions to meet public health needs.

Andrew S. Mener, MD

Andrew Mener, NCEMSF Startup Coordinator, is currently an internal medicine resident at GW in DC. He earned his MD from The George Washington University School of Medicine and Health Sciences in 2011. 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 VMSC 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 for 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 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.

Joshua E. Glick

Josh Glick, NCEMSF Alumni Coordinator, is a Doctor of Medicine Candidate at the Penn State College of Medicine. He received his BA in Biological Basis of Behavior and Modern Middle Eastern Studies from the University of Pennsylvania in 2010. While at Penn, Josh began his involvement with EMS as a member of the Penn Medical Emergency Response Team, ultimately serving as the organization's Training Lieutenant and Chief. He has also served with Llanerch Fire Company as an EMT and has worked as a technician in the Emergency Department at the Hospital of the University of Pennsylvania.

Stephen J. Lanieri

Stephen Lanieri, NCEMSF National Coordinator, graduated from Daniel Webster College in 2008 with a BS 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 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. 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. Steve has also been a National Ski Patrolroller since 2004 at Pats Peak Ski Area in Henniker, NH. Steve has worked as a Communication Specialist/EMT with Boston MedFlight in Bedford, MA. He currently works in the Operations Center at Boston Logan International Airport where he manages logistics for airport operations and security, and coordinates airport emergency responses with Massport Fire/Rescue. He previously served as NCEMSF's Northern New England Regional Coordinator.

Jennifer D. Siegel

Jennifer Siegel, NCEMSF Hotel Liaison, began her involvement in EMS in 1998. She attended Texas A&M University where she worked as an EMT for TAMU EMS and Care Team. After graduating in 2002, she moved to Philadelphia and started a career in hospitality management working for luxury hotels as a sales manager and customer service lecturer. Jennifer's experience allowed her role within the organization to evolve into the Hotel Liaison, responsible for ensuring a seamless conference experience since 2004. Jennifer recently re-certified as an EMT and is transitioning back into student-life to pursue a career in nursing.

Timothy J. McMichael, NREMT-P

Tim McMichael, NCEMSF Information Technologist, is a 2001 graduate of Juniata College with a BS in Information Technology and Systems. He is employed by Microsoft Corporation as a Support Escalation Engineer working on the Exchange Server product. He became an EMT in 1999.

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 the University squad, working as an EMT-B in Michigan, as well as part-time ventures in ambulance and police communication centers. Jeff has also worked as a frontline police officer for some years before returning to EMS. He was educated and certified in Ontario as both a ground and flight paramedic and currently works as a flight paramedic in northern Ontario. He casually works as an industrial paramedic in the Alberta oil sands providing critical care to remote pipeline projects/camps and oil refineries as well. In addition to his EMS work, Jeff owns a successful health and safety consulting company providing a wide variety of product sales and training services. He has always been a strong advocate for campus based EMS in Canada and endeavors to continue to grow the number of Canadian campuses with CBEMS teams.

Ian Feldman

Ian Feldman, NCEMSF Central Region Coordinator, started his EMS career at Rice University in 2006. He served as an EMS Supervisor and officer during his time at Rice. After graduating in 2009 with a degree in mathematics, he remained active with Rice EMS assisting with administrative tasks and later becoming an EMS Instructor. Outside of collegiate EMS, he works as an In-Charge Paramedic at Harris County Emergency Corps, where he

NCEMSF Leadership Bios

also coordinates the department's Reserve Program. In addition, he volunteers with the Northwest Volunteer Fire Department. He received a Master of Science in Threat and Response Management from the University of Chicago in 2011.

Kathryn Kinzel, MPH

Kathryn Kinzel, NCEMSF Massachusetts Regional Coordinator, joined the Mount Holyoke Medical Emergency Response Team in February 2005 after completion of the squad-sponsored EMT-B class. Kathryn was elected Assistant Director of the Mount Holyoke MERT in 2006, and became Director in 2007. She was a teaching assistant for the EMT class for two years, and holds the all-time record for most hours worked for the squad. Kathryn graduated from Mount Holyoke in 2008 with a Bachelors degree in Biology, and in 2012 received a Master of Public Health degree from the Boston University School of Public Health, concentrating in Epidemiology. She currently lives in Boston, working as a research assistant at Brigham and Women's Hospital.

Joseph Grover, MD

Joseph Grover, NCEMSF Midwest Regional Coordinator, is currently an emergency medicine resident at the University of Virginia. He earned his MD from Case Western Reserve University School of Medicine in 2011. 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 served as both the Vice-President and Co-President of the Emergency Medicine Interest Group.

Eric Pohl, NREMT-P

Eric Pohl, NCEMSF New York Regional Coordinator, was certified as an EMT during his first semester of college. He joined Columbia University EMS in 2004, holding the rank of Crew Chief upon graduation in 2007. After receiving his Bachelor of Science in Chemical Engineering, Eric started his ALS career. He obtained Paramedic certification through St. Vincent's Hospital - Institute of Emergency Care in New York City in August 2008. Eric currently works as a Hazardous Materials and Weapons of Mass Destruction Specialist for the elite Division of Emergency Response & Technical Assessment within the New York City Department of Environmental Protection. DEP DERTA has primary jurisdiction in managing most toxic chemical releases in the City of New York. Eric also continues his involvement with EMS as a paramedic, working the streets for the Jersey City Medical Center, where he provides ALS in a busy, urban 911 system.

Katie Egan, RN

Katie Egan, NCEMSF North Central Regional Coordinator, graduated from the University of Wisconsin-Madison with a BSN in 2011. Katie currently works as a Registered Nurse in the Pediatric Intensive Care Unit at the American Family Children's Hospital in Madison, WI. Katie became involved in EMS in 2006 while in high school when she joined her hometown department, the Hazel Green Area Rescue Squad, as an EMT-

Basic. Katie founded the University of Wisconsin Police Department First Responders, which began operating as an event response team in 2009. Katie served as director of the UWPD First Responders from 2009-2011 and worked to advance the service level to a First Responder / Non-transport service. Katie continues her involvement with UWPD First Responders and runs as an EMT-Advanced with McFarland, WI EMS.

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. Yoni completed his post-baccalaureate studies at Rutgers University and is now a medical student at New Jersey Medical School.

Ryan M. Hay

Ryan Hay, NCEMSF Pennsylvania Regional Coordinator, graduated from DeSales University in 2011, with a BA in Political Science and is now finishing his BSN in the DeSales University accelerated nursing program. While at DeSales, Ryan co-founded DeSales University EMS in 2007, serving as its director until May 2010. Ryan is currently a Hazardous Materials Specialist with Lehigh County Special Operations; a regional hazardous materials and Urban Search and Rescue (USAR) team in Eastern Pennsylvania. Additionally, he is an active fire fighter at the Nancy Run Fire Department of Bethlehem Township, PA and a part-time EMT for Dewey Fire Company Ambulance in Hellertown, PA. Dedicated to emergency services, he volunteers as an Emergency Management Specialist at Northampton County Emergency Management and teaches EMS providers as an Instructor for Lehigh Valley Health Network's Emergency Medicine Institute through Lehigh-Carbon Community College.

Amanda Wong

Amanda Wong, NCEMSF West Regional Coordinator, joined Santa Clara University EMS as an EMT-B in 2008. Amanda was named Rookie of the Year 2008-2009. She was elected the Conduct Enforcement Officer for the 2009-2010 academic year and was later elected the Co-Training Director for the 2010-2011 academic year. Amanda graduated from Santa Clara University in 2011 with a Bachelors degree in biochemistry and minors in biology and biotechnology. She currently lives in Mountain View, California, working as a research assistant at the Stanford Genome Technology Center.



NOTES:

Schedule Summary

Sunday, February 26, 2012

7:30 am - 8:30 am	Continental Breakfast	Foyer
8:00 am - 9:00 am	Workshop Session 9 (Page 26) You Called Me For What????? Bath Salts and Flowers - A Not So Romantic Evening Navigating Your Patient Through Maritime Trauma Organizing Successful MCI Drills Achieving Your Leadership Potential in EMS Getting Out of - the Back of the Bus EMS Goes to Washington Skills Lab: ECG Interpretation Physio Control EMS Skills Competition Review Roundtable: Startup	Constellation C Constellation D Constellation E Constellation F Annapolis Frederick Columbia Calvert/Pratt Lombard/Camden Baltimore
9:10 am - 10:10 am	Workshop Session 10 (Page 27) Really Bad Things That Can Start as a BLS Dispatch Lightening Emergencies Response to the Critical Burn Patient Treatment of Fire Victims: Cyanide and Carbon Monoxide Poisoning The 'S' Word: Never Be Called a Student Again - Part I Essential EMS Documentation Striving for Excellence in Campus EMS Skills Lab: Trauma Assessment and Communication Skills Lab: Team Planning with Lego Roundtable: Making the Case	Constellation C Constellation D Constellation E Constellation F Annapolis Frederick Columbia Calvert/Pratt Lombard/Camden Baltimore
10:20 am - 11:20 am	Workshop Session 11 (Page 29) Common Patient Medications Breaking News: EMTs Are Doing What? Penetrating Thoraco-Abdominal Trauma The History of EMS The 'S' Word: Never Be Called a Student Again - Part II What's Shaking Introduction to Tactical Emergency Medicine Support Roundtable: Recruitment and Retention	Constellation C Constellation D Constellation E Constellation F Annapolis Frederick Columbia Baltimore
11:30 am - 12:30 pm	General Session - Closing Keynote - Wait, Wait, Don't Tell Me!	Constellation A&B
12:30 pm - 1:00 pm	Conference Wrap-Up	Constellation A&B

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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.

Join us next year - February 22-24, 2013
Washington, DC - 20th Anniversary Conference and Gala Celebration

Schedule Summary

Saturday, February 25, 2012 (Continued)

12:30 pm - 1:30 pm	Lunch	
1:30 pm - 2:30 pm	Workshop Session 6 (Page 16) Sticks and Stones May Break My Bones Acute Spinal Cord Injuries Provider Suicide: It's Not Supposed to Happen to Us Irene is Coming; Where Do We Find Help? Forward Medical Management of HazMat Incidents Bees, Roaches and Mites - Oh My! Wellness, Shift Work and the Circadian Rhythm What is Wilderness Medicine? Skills Lab: Event Medicine - Giving You More to Bring to the Table Skills Lab: Confronting Sexual Harassment Skills Lab: Ultrasound Skills Lab: Advanced Airway Management Roundtable: QA/CQI	Constellation C Constellation D Constellation E Constellation F Chesapeake Annapolis Frederick Columbia Calvert/Pratt Lombard/Camden Conway Room President Room Baltimore
2:40 pm - 3:40 pm	Workshop 7 (Page 18) The Many Faces of Ischemia: Beyond STEMI You're Having a What?! OB Emergencies HIV & AIDS: Why Don't We Talk About It Anymore? Don't Be Shocked When Your Patient is in Shock Penetrating Abdominal Trauma Follow Me! Leadership Pearls from the Sarge Introduction to NIMS Technical Rescue Consideration on College Campuses Skills Lab: Evacuation Table Top Skills Lab: Moving, Lifting & Transporting in the Wild Skills Lab: Ultrasound Skills Lab: Cricothyrotomy Roundtable: Research Design & Execution	Constellation C Constellation D Constellation E Constellation F Chesapeake Annapolis Frederick Columbia Calvert/Pratt Lombard/Camden Conway Room President Room Baltimore
3:40 pm - 3:55 pm	Snack Break	Foyer
3:55 pm - 4:55 pm	Workshop 8 (Page 20) Stabilization and Transport of the Multi-Trauma Patient Extremity Trauma Helicopter EMS for Adults with Major Trauma EMS Response to Active Shooter Events Collegiate Response to a MCI: Are You Prepared... From Good to Great: Growing a Collegiate EMS Service A Failure to Communicate No Longer Will Inadequate Response Be Tolerated Skills Lab: Developing Incident Action Plans Skills Lab: Improvisational Splinting Skills Lab: Ultrasound Roundtable: Developing a Training Program	Constellation C Constellation D Constellation E Constellation F Chesapeake Annapolis Frederick Columbia Calvert/Pratt Lombard/Camden Conway Room Baltimore
5:00 pm - 6:00 pm	General Session - Major John P. Pryor, MD Memorial Lecture	Constellation A&B
6:00 pm - 7:00 pm	NCMSF Leadership Presentation, Business Meeting and Awards Presentations	Constellation A&B
7:00 pm - 8:30 pm	Alumni Social and Networking Event	Harborview Room
10:00 pm - 2:00 am	Club NCMSF	Constellation A

(Sunday on Previous Page)

Schedule Summary

Friday, February 24, 2012

4:00 pm - 11:00 pm	Conference Check-in	Atrium
5:00 pm - 10:00 pm	Physio Control EMS Skills Competition	Maryland Suite
6:00 pm - 6:50 pm	How to Make the Most of the Conference Experience	Constellation F
7:00 pm - 8:00 pm	Workshop Session 1 (Page 7) Situational Awareness Ready, Set, Go-Team The Medical Examiner System	Constellation D Constellation E Constellation F
8:10 pm - 9:10 pm	Workshop Session 2 (Page 7) Teenage Follies Where There's Smoke, There's Fire Non-Lethal Weapons: EMS Response and Treatment	Constellation D Constellation E Constellation F
9:00 pm - 1:00 am	Welcome Social	Constellation A&B
11:00pm - 1:00 am	EMS as a Spectator Sport	Constellation A&B

Saturday, February 25, 2012

7:15 am - 8:30 am	Continental Breakfast	Foyer
7:45 am - 8:30 am	Group Introductions/Meet & Greet	Constellation A&B
8:30 am - 9:15 am	General Session - Hot Topics in EMS	Constellation A&B
9:25 am - 10:25 am	Workshop Session 3 (Page 9) Physiology Based Airway Management Shock After Trauma Initiating and Practicing High Performance CPR 9/11/2001—Looking Back to Plan for the Future All the Stuff That Can Go Wrong with Your Head Hot Topics in Pediatrics Ride the "Sound" Wave: Ultrasound Use in EMS Thinking Outside the Box... Skills Lab: Patient Assessment and I/O Demonstration Roundtable: From Probie to Captain... Roundtable: Administrator/Advisor/Medical Director	Constellation C Constellation D Constellation E Constellation F Chesapeake Annapolis Frederick Columbia Calvert/Pratt Lombard/Camden Baltimore
10:35 am - 11:35 am	Workshop Session 4 (Page 11) Basic and Advanced Airway Management The Intoxicated Patient Traumatic Brain Injury: What You Need to Know Sense and Sensitivity Deadly Causes of Neck Pain Pediatric Assessment Review Changing Times: Addressing Contemporary Issues So You Have Updated Your CPR Card, Now What? Skills Lab: Tools for Success - How to Interview Roundtable: Financing and Fundraising	Constellation C Constellation D Constellation E Constellation F Chesapeake Annapolis Frederick Columbia Lombard/Camden Baltimore
11:45 am - 12:30 pm	Workshop Session 5 (Page 12) Richard W. Vomacka Student Speaker Competition Fighting the Good Fight That's Not What I Was Taught Transmission for Disaster: Outbreaks! Special Event Medicine: Planning and Response A Critical Need to Reevaluate EMS and CEMS Ethics A Matter of Life: Talking About Suicide Prevention Crawl, Walk, Run: Adapting Military Training Original Student Research Competition Factors That Affect Response Time Pre-hospital Emergency Care in Durban, South Africa No Nap and Captain Jack Regional Roundtable Discussions	Constellation C Constellation D Constellation E Chesapeake Annapolis Frederick Columbia Constellation F Constellation A&B

(Continued on Inside Back Cover)