

NCEMSF 2015

The 22nd Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 27-March 1, 2015
Hyatt Regency
Baltimore, MD

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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 twenty-two 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 49

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, MPH
Director-at-Large	Yoni Litwok, MD

Division Chairs / Coordinators

Membership	Karolina A. Schabses, MPH
National Coord.	Stephen J. Lanieri
Startup	Joseph M. Grover, MD
Asst. Startup	Daniel McConnell
Alumni	Joshua E. Glick, MD
EMS Week	Jeffrey J. Bilyk
Emergency Mgmt	Eric Pohl, NREMT-P
Technologist	Timothy J. McMichael, NREMT-P
Hotel Liaison	Jennifer D. Shoemake
Asst Webmaster	Douglas R. Buchan

Regional Coordinators

Canada	(AVAILABLE)
Central	Ian Feldman
Massachusetts	David Afienko
Mid-Atlantic	Zachary Matuzsan
Midwest	Lex Martin
New York	Matthew Ricci
North Central	Katie Egan, RN
Northeast	(AVAILABLE)
N. New England	Kate Marquis, RN
Pennsylvania	Ryan M. Hay, RN
Southeast	(AVAILABLE)
West	(AVAILABLE)

Welcome to Baltimore - 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.



Celebrating the NCEMSF Conference Tradition *NCEMSF Conference Locations*

1994 - Washington, DC	2006 - Boston, MA
1995 - Philadelphia, PA	2007 - Baltimore, MD
1996 - Albany, NY	2008 - Philadelphia, PA
1997 - Huntington, WV	2009 - Washington, DC
1998 - Hartford, CT	2010 - Baltimore, MD
1999 - Syracuse, NY	2011 - Philadelphia, PA
2000 - Newark, DE	2012 - Baltimore, MD
2001 - Rochester, NY	2013 - Washington, DC
2002 - Long Island, NY	2014 - Boston, MA
2003 - Washington, DC	2015 - Baltimore, MD
2004 - Baltimore, MD	2016 - Philadelphia - February 26-28
2005 - Philadelphia, PA	2017 - Baltimore - February 24-26

Conference Schedule - Friday, February 27, 2015

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

Atrium

After checking into the hotel, stop by the conference registration table to check-in. All attendees must check-in individually regardless of how they registered. (Photo ID required). Upon check-in, attendees will receive a name badge that must be worn throughout the weekend as admittance to conference lectures and activities require it. Alumni, presenters and exhibitors should identify themselves to receive appropriate ribbons for their badges.

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

Maryland Suites

Pre-registered teams should check-in and pay at the skills information table (located in the atrium) to receive their team number, copy of the 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 event Saturday evening. The winner of the ALS match will represent collegiate EMS at the *JEMS Games* next year at *EMS Today*.

6:00 pm - 6:50 pm

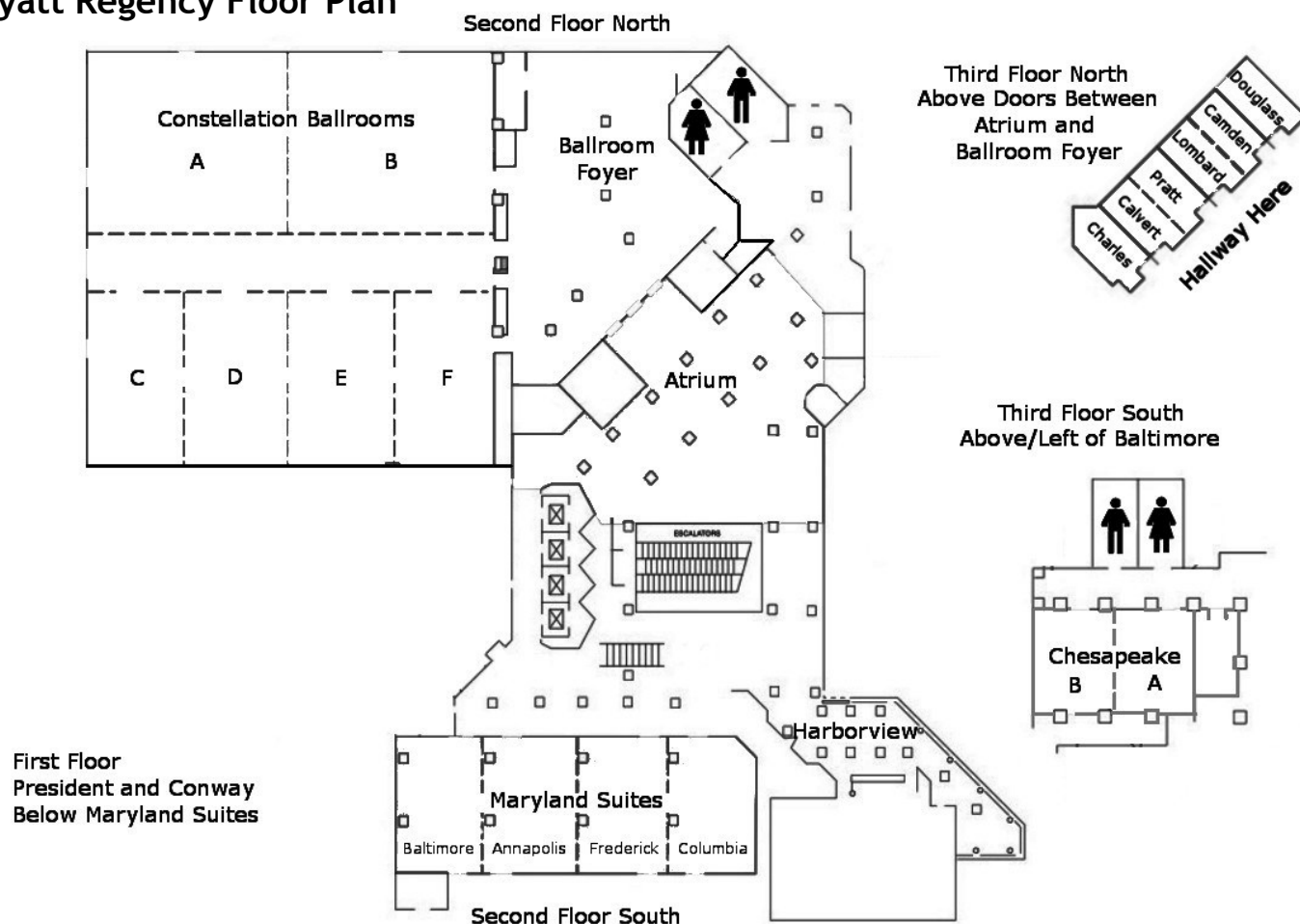
How to Make the Most of the Conference Experience

Chesapeake

Joseph M. Grover, MD, NCEMSF Startup Coordinator

What makes the NCEMSF Conference different from other conferences? While others teach basic EMS skills, NCEMSF provides participants with key tools for leading a successful collegiate EMS organization. This session is designed to help you make the most of your weekend. 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.

Hyatt Regency Floor Plan



Please visit our sponsors, exhibitors, and educators Saturday and learn more about their products, programs and services in the Atrium and Ballroom Foyer.

Sponsors

Physio Control, Inc.
David Schwartzman, Sr. Sales Rep
(800) 442-1142
david.schwartzman@physio-control.com
www.physiocontrol.com

**Wilderness Medicine Institute
of The National Outdoor Leadership
School (NOLS)**
The Leader in Wilderness Medicine
Leslie van Barselaar, Marketing Coord.
(866)-831-9001
lvb@nols.edu
www.nols.edu/wmi/

Exhibitors

Code 1 Training Solutions, LLC
Richard Shok, Owner
rich@code1web.com
www.code1web.com

EMIS Tube
Darren Wolberg, President
info@emistube.com
www.emistube.com

Gifts in Kind



Professional Associations

International Police Mountain Bike Assoc.
Maureen Becker, Executive Director
info@ipmba.org
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JEMS
AJ Heightman, Editor-in-Chief
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www.jems.com

Sudden Cardiac Arrest Association
Robert Schriever, VP of Programs
info@suddencardiacarrest.org
www.suddencardiacarrest.org

Web Hosting



Partners

EMS World
www.emsworld.com
Free subscription available to NCEMSF Personal Members.



The NCEMSF Store
Emergency Training Associates
www.ncemf.org/bookstore.ems
Up to 26% discount on EMS texts and apparel and
a portion of all sales is donated to NCEMSF.



Health Education Programs

**Boston University Healthcare
Emergency Management Program**
Teija Corse; tcorse@bu.edu
www.bumc.bu.edu/bmcm



Columbia Southern University
Wayne Hanes, EMS Outreach Representative
Wayne.hanes@columbiasouthern.edu
www.columbiasouthern.edu



**DeSales University Physician
Assistant Program**
Wayne C. Stuart, MD
wayne.stuart@desales.edu
www.desales.edu/mspas



Edward Via College of Osteopathic Med.
Julianne Jordan, Admissions Director
jjordan@vcom.vt.edu
www.vcom.edu



Philadelphia College of Osteopathic Medicine
Kevin A. Zajac; Asst. Director of Admissions
kevinzaj@pcom.edu
www.pcom.edu



Philadelphia University
Jennifer Singer; singerj@philau.edu
www.philau.edu/online/disaster-
medicine.html



Ross University
John Nwafor, Assoc. Dir. of Admissions
johndeannenwafor@rossu.edu
www.rossu.edu



West Virginia School of Osteopathic Med.
Julian Arbaugh, Admissions Counselor
jarbaugh@osteo.wvsom.edu
www.wvsom.edu



Conference Schedule - Friday, February 27, 2015

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

♦Modern Burn Care

Constellation C

Michael Carunchio, MS, NREMT-P, FP-C, CCP

Patients with burn injuries can pose a challenge to emergency medicine practitioners. Providers must be able to make quick decisions grounded in an understanding of the type of injury sustained, the symptoms the patient is experiencing, and the anticipated course and potential complications of the injury. The instructor will review burn pathophysiology, acute care treatment modalities, and current research about caring for burned patients.

✿America's Emergency Care Environment

Constellation D

Joshua Moskovitz, MD, MPH, MBA, FACEP

America's Emergency Care Environment is the third iteration of a state-by-state analysis of some of the challenges facing improving high quality emergency care. This report card addresses the needs of our country by assessing the key drivers of quality emergency care: Access to Emergency Care, Quality & Patient Safety Environment, Medical Liability Environment, Public Health & Injury Prevention, and Disaster Preparedness.

✿Thinking Outside the Box:

Constellation E

Implementing Best Practices from Other Industries

Scott Matin, MBA, NREMT-P

While developing rapidly in clinical and operational aspects, the ambulance industry is small in size compared to many industries. Scott Matin will use the innovation and expertise that can be learned and implemented from larger, more established industries to improve your EMS operations and efficiency. This session will discuss easy-to-adopt practices from the airline, hospitality and logistics industries that can be put to work in your EMS agency. He will also present case studies that have changed the way these industries do things safer, more efficiently and in a more cost effective manner.

❖Creating an MCI Exercise

Constellation F

Tim Lanese, RPh, MBA, FASHP, EMT-P, EMSI

MCI drills have become a hot button for many collegiate and community EMS organizations. In many cases, these focus on the "hot" scenarios such as active shooters, but they do not always result in a measurable improvement of the organization's ability to respond effectively. The key to an effective drill is aligning the training with actual risks and roles, and focusing on specific goals. This session will help your organization develop effective drills.

Roundtable and Panel Discussions

This session will serve as the first of many small roundtable and panel 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. Panels are open to a wider audience and provide an opportunity to directly ask questions of your peers and colleagues - either by stepping up to the microphone or texting your questions/comments through our electronic audience response system. Share your successes and failures and learn from one another. Continue conversations throughout the conference weekend and the year on NCEMSF's website and online discussion forum.

Roundtable: Startup

Chesapeake

Joseph M. Grover, MD, 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.

Conference Schedule - Friday, February 27, 2015

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

OB Emergencies

Constellation C

Benjamin R. Usatch, MD, NREMT-P

OB complications and issues present a common and challenging problem for EMS. In addition, one of the most rewarding, though anxiety provoking experiences that a prehospital provider can have is the emergent delivery of a neonate in the field. The ability to manage these cases in the austere environment which is the street, is based on the right knowledge, tools and mindset. In this lecture we will explore conditions inherent in the prenatal and delivery aspects of prenatal care. Finally we will address the unique challenges inherent in resuscitating the OB patient.

♦ EMS Darwin Awards: Strategies for Survival and Evolution

Constellation D

Benjamin Lawner, DO, MS, EMT-P, FACEP

Sit back, relax, and enjoy amazing stories of survival. Dr. Lawner reviews several “good calls, gone bad” during which the prehospital providers’ assessment and treatment significantly impacted the patient’s in-hospital care. Understand the impact of underlying medical conditions upon the presentation of acute traumatic injuries.

✿ Selfie Sabotage: Social Media Use In EMS

Constellation E

Amy Eisenhower

You never know who is watching. There is nowhere that this is truer than social media and the Internet. Many EMS agencies now have guidelines and protocols on how social media is to be used by providers representing them. This session will detail how to use social media for positive individual and agency promotion. We will highlight how to avoid common social media pitfalls and faux pas. We will also discuss traditional and creative uses for various social media platforms to improve the image of EMS as a whole.

❖ Introduction to Life Saving Interventions in Potentially Volatile Environments

Constellation F

Matthew Levy, DO, MSc, FACEP

Recent local and international events of mass violence have forced the EMS community to rethink how it responds to such events. Termed “Potentially Volatile Environments” these events have happened already on our college and university campuses and are bound to recur. The challenge for EMS is to intervene on those victims who have potentially survivable injuries before these victims die. Lessons learned from previous incidents have taught us that waiting for the entire scene to be totally safe and without the possibility of threat will result in more lives lost. This is a fundamental change in how EMS responds to such events and requires active planning and coordination with law enforcement. At no time should untrained or unequipped EMS personnel try to make entry into a hot zone, also known as the area of direct threat. Several potential solutions exist to meet this challenge. The session will introduce the new Maryland EMS protocol that addresses these “Life Saving Interventions” to be performed in these Potentially Volatile Environments.

Chiefs and Presidents Leadership Panel

Chesapeake

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

This panel discussion designed for squad chiefs and presidents will be devoted to addressing campus leadership issues and sharing problem solving strategies. Several campus based EMS chiefs and presidents from a variety of different types of agencies have been selected to sit on the panel to help drive the discussion, which will hopefully continue throughout the weekend.

Conference Schedule - Friday, February 27, 2015

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

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, have your picture taken with new friends and sing and dance to the tunes. 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.

Physio-Control CPR Challenge

Ballroom Foyer

Starting at 9:00 pm–10:30 pm test your strength, endurance, and precision using Physio-Control's TrueCPR Coaching Device against the Physio-Control Lucas2 in a quest to outperform the machine. Contestants will perform two minutes of CPR as per the AHA Guidelines. Prizes will be awarded Saturday evening to the top performers.

11:00 pm - 12:00 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, as he both narrates the scene and educates about MCI response and debriefs this chaotic call. Show support for your colleagues as they rise to meet this challenge. This event is sure to be entertaining as well as enlightening 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;
❖ emergency management/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.

Most session abstracts also have associated learning objectives available in the online electronic version of this program. Visit www.ncemsf.org/conf2015 to view the electronic program or to download a PDF of this printed program to your smartphone or tablet.

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 28, 2015

- 7:00 am - 10:00 am** *Late Conference Check-in* *Atrium*
- 7:15 am - 8:30 am** *Continental Breakfast* *Ballroom Foyer*
- 7:45 am - 8:20 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 NCEMSF 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.
- Roundtable: Administrator/Advisor/Medical Director** *Lombard*
Michael S. Wiederhold, MD, MPH, NCEMSF Treasurer, Moderator
In this first of two roundtables dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will begin discussing concerns of university officials and address issues that they may be facing on their campuses. This first session is designed as an introductory mixer; grab your coffee and meet your fellow university administrators, advisors and medical directors in attendance.
- 8:20 am - 9:15 am** *Learning to Lead: An Interactive Panel* *Constellation A/B*
George J. Koenig, Jr., DO, NCEMSF President, Moderator
An interactive panel discussion and question and answer session with leaders in their fields as they share their experiences with assuming leadership roles, motivating teams, and cultivating relationships. Using an audience response system, you will be able to participate and ask the panelists questions. Panelists: Gail Smith-Howard, General Manager, Hyatt Regency Washington, David Schwartzman, Senior Sale Representative, Physio-Control, and Michael Wiederhold, MD, Medical Director of Clinical Informatics at Florida Hospital.
- 9:25 am - 10:25 am** *Workshop Session 3*
-  **Recognition and Treatment of Patients with Severe Dyspnea** *Constellation C*
Vincent Mosesso, MD
This session will include case presentations of patients with subtle to obvious signs of impending respiratory failure and discuss the approach to such patients to allow the prehospital provider the ability to initiate the best appropriate treatment. Important assessment findings based on history and physical examination and diagnostic testing available in the field will be reviewed. Critical decision making regarding differential diagnosis and selection of therapy will be presented. Those attending will be asked to make and defend selection of specific therapies. Risks and benefits of different potential therapies will be presented.
-  **I Got Rhythms!** *Constellation D*
Cardiac Rate Disturbances and Basic EKGs for EMTs
Mark Forgues, MEd, NRP
This program will review cardiac rhythms and the basics of EKG rhythm interpretation. It will describe the correlation between the EKG signal and the electrical activity of the heart. It will also focus on patient presentations which may lead the EMT to suspect certain groups of rhythms. It is NOT a 12-lead EKG class. We will cover as many rhythms as possible to provide an introduction to EKG interpretation.
-  **Sense and Sensitivity:** *Constellation E*
Applying a Trauma-Informed Response Model to Sexual Assault Calls
Eric M. Garrison, MAEd, MSc, DLSHTM, CSC, ACS, FRSS
In light of the recent Rolling Stone articles and 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 more comfortable and less anxious? 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. Furthermore, Eric will discuss the latest research within forensic sexology on the mind's response to trauma.

Conference Schedule - Saturday, February 28, 2015

Psychiatric Emergencies in Collegiate EMS

Constellation F

Ari Rabkin, PhD

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

Altitude Medicine

Baltimore

Gates Richards, MEd, WEMT-I, FAWM

This talk will cover the basics of altitude physiology, common and uncommon altitude illnesses and recent trends in altitude illness research and treatment guidelines. We will focus on effective field treatment of altitude illnesses.

Essentials of Prehospital Evidence-Based Guidelines

Chesapeake

Christian Martin-Gill, MD, MPH, NREMT-P

"50% of what you learned in your EMT or Paramedic class may be wrong." This session will review recent efforts to develop prehospital evidence-based guidelines, which move us away from "how we have always done things" and toward identifying best practices for EMS. This presentation will review how evidence-based guidelines are developed, identify key components of recently published evidence-based guidelines, and describe current efforts by NAEMSP and NHTSA to create a comprehensive national strategy for the development and implementation of prehospital evidence-based guidelines. This session will provide field EMS providers of all levels, as well as EMS educators, administrators, and other EMS leaders with an understanding of how the basis for EMS practice is evolving.

The 'S' Word: Never be Called a STUDENT Again!

Frederick

John Casey, EMT-P and Matthew D. Ricci, MPA

What's the worst thing you've ever been called in your life? If you're 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 to this workshop to discuss using technology, conduct, and appearance. We'll tailor the discussion to your crew so you can fight the stigmas associated with youth, disorganization, and inexperience.

Airway, Breathing, Circulation...Personality?

Columbia

John Mercuri

In EMS, the ABC's are hammered home to use as the cornerstones of effective patient care. But, do we ever think about the P? That is, how our personality (and attitude) can shape the outcome of care? And not only that, how does the way we interact with patients, providers (campus safety, ALS, hospital staff) and the general public reflect on us as an agency? In this session, we will talk about some of the ways we can use our personalities to garner good patient care, improve our field-training standards, and create a positive image for our agency. In addition, we'll touch briefly on the benefits of using social media to help boost the personality and visibility of our squads.

EMS - The Subspecialty

Calvert

Mark E. Escott, MD, MPH, FACEP

Dr. Escott presentation will be based on his column in the Journal of EMS (JEMS) where he discusses the current EMS education system, particularly for paramedics, and a necessary transition of evidence based guidelines driving educational objectives for EMS training in the future to develop practitioners. He will also discuss the disparities between education, pay, and oversight of paramedics, and their counterparts in other specialties (Physician Assistants and Nurse Practitioners).

Conference Schedule - Saturday, February 28, 2015

📍Critical Care by Ground or Air

Annapolis

James Kish, RN, CEN, CFRN

Critical care transport is a growing sector of many EMS and hospital systems. It has arisen from a need to continue a high level of medical care from bedside to bedside throughout patient transport. This multidisciplinary approach brings experts from EMTs to ICU physicians together to safely transport critically ill patients outside the confines of hospital walls. Specialty teams are faced with many challenges to maintain the continuum of care. This lecture will describe the structure and functioning of a successfully operating critical care air and ground transport system.

Skills Lab: Train Like You Fight

Conway

Military Medicine in the Prehospital Setting

Patrick McCarthy and Frederick Lough, COL, United States Army, MD, FACS

By necessity, the military has been a long standing leader in combat casualty care in the emergency room and in the field. Since 1996, the US military has been the driving force behind a set of guidelines for medical care in the field under hostile and austere conditions. Over time, these guidelines have been incorporated in the civilian setting in the form of the Tactical Emergency Casualty Care guidelines. With the introduction of the Rescue Task Force (RTF) concept for hostile mass casualty incidents, the everyday EMT could be called upon to assist in a tactical situation. This session will feature an active shooter simulation using high fidelity, realistic training aids to help participants learn and practice critical combat medical skills under the direction of experienced physicians who have employed these same concepts in Iraq and Afghanistan. Use this high-fidelity training to be prepared for when the fight comes to your neighborhood. This lab will be repeated throughout the day on Saturday.

**** This is the first of the Skills Labs 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 at 7AM.**

Roundtable: Emergency Management & Disaster Preparedness Lombard

Eric Pohl, NREMT-P, NCEMSF Emergency Management Coordinator and

Ryan M. Hay, RN, NCEMSF Pennsylvania Regional Coordinator

During this roundtable, Eric and Ryan will moderate a discussion about campus preparedness focusing on the basic principles and phases of emergency management, the critical role for collegiate EMS, and how to get involved in the whole process, including information about NCEMSF's newest program: EMS Ready Campus.

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

📍Physiology Based Airway Management

Constellation D

Mark Pinchalk, MS, EMT-P

EMS providers are generally taught the "skill" but not the "art" of airway management. Airway management does not begin or end with the act of utilizing an airway device. Placing an advanced airway without first addressing the patient's underlying physiological issues has been demonstrated in the literature to result in worsened outcomes. This presentation will propose a physiological based approach to airway management in which the patient's underlying physiological issues are addressed and the airway is managed with a strategy to improve, not worsen, the patient's physiological problems to improve outcomes. QI data from an urban EMS system using the approach will be reviewed.

📍The Perfect Storm of Excited Delirium

Frederick

Ronald Roth, MD

Is Excited Delirium real or a trumped up diagnosis to support our law enforcement colleagues? Don't be too quick to judge. EMS is frequently called to assess and treat out of control patients. Early recognition of delirium by EMS is essential in the successful treatment of these patients. New medications are available to EMS providers, including ketamine. Is the administration of ketamine a miracle drug or just another method of potentially harming these high risk patients?

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

Joshua Moskowitz, MD, MPH, MBA

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

Cyanide Toxicity:

Constellation F

More Than Just an Overlooked Fire Ground Poison?

Benjamin N. Abo, DO, EMT-P, FAWM

Crews pull out a child from a working house fire with minimal runs in cardiac arrest. Airway, oxygen, great CPR ... Did you cover all of your bases? Are you prepared for a common fire ground toxicity like cyanide? How many cyanide toxicities have been missed over the years? We will go through the missed truths of cyanide toxicity, the risk, the treatments, and beyond, in this case-based lecture.

Concussion in Athletes

Constellation C

Vincent Mosesso, MD

This presentation will provide the participant with the latest information on concussions in athletes. A brief overview of the mechanism and pathophysiology will be presented. Videos of obvious and not so obvious impacts will be shown and students will learn when to suspect and how to recognize that an athlete has sustained a concussion. There will be a strong focus on clinical recognition and initial management for the prehospital provider. Finally, an overview of the typical hospital evaluation and subsequent management, including return to play, will be presented.

Mobile Integrated Healthcare:

Annapolis

Transforming EMS To Support Population Health

Kevin Munjal, MD, MPH

EMS systems predominantly offer a one size fits all approach of providing ambulance responses and subsequent transports to an emergency room for all 9-1-1 calls. There are many instances when this approach may neither be the best solution for the patient, nor for our high cost, fragmented health system. The EMS community has long been interested in breaking this mold and becoming a more flexible, patient-centered, clinically integrated health service working with partners in the inpatient and outpatient world to provide better care and reduce redundancies and inefficiencies in the system. However, few innovations have been put into general practice because of legal constraints and financial incentives that favor the status quo. Thankfully, the last few years have seen seismic shifts in healthcare as it tries to move away from fee-for-service and toward the triple aims of improving access, improving quality, and lowering costs through a realignment of financial incentives with value and efficiency. This session will provide an overview of the latest innovations in the expanded role of EMS systems, describe the grander visions for prehospital care and describe the opportunities available under health reform that might help us realize these visions.

Afghanistan Combat Surgery and Lessons Learned

Constellation E

Frederick Lough, COL, United States Army, MD, FACS

Presentation of one surgeon's experience in Afghanistan while assigned to a Forward Surgical Team. The talk describes events and the surgical challenges faced over several months while in direct support of combat missions in a very violent region. The approach to combat injuries will be discussed and several unusual cases will also be presented. Lessons learned and recommendations for the future will also be reviewed.

Fifty Shades of 911:

Chesapeake

Management of Kink-Related Emergencies

Mariah Swiech Henderson

Even when practiced safely, BDSM (bondage/discipline, domination/submission, and sadism/masochism) can result in a variety of medical emergencies. After an intro to kinky vocabulary and a discussion of related legal issues, this course covers management of high-risk activities and their associated emergencies.

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☉ Navigating the Labyrinth:

Columbia

EMS Response to Hoarding Situations

Amy Eisenhauer

Reality television has popularized hoarding disorder, but what happens before the “Got Junk” people show up? This session will discuss the hoarding disorder, its associated features, and possible co-morbid diseases. Situational awareness and provider safety is of particular concern during these responses: extrication and packaging techniques will be addressed as well.

☉ In-flight Medical Emergencies for the Prehospital Provider

Calvert

J.V. Nable, MD, NRP

On-board medical emergencies during commercial flights are not uncommon. Prehospital providers who are travelling and happen to be aboard aircraft during such emergencies may be called upon to provide assistance. This lecture will discuss some of various medical emergencies that may occur during flights along with suggested responses for dealing with such issues.

Skills Lab: First Response for the Four Legged Patient

President

Kaylin Stinski

Campus housing across the country is increasingly permitting pets larger than a hamster or fish to stay in dorms with their human owners. First responders already possess the technical knowledge to assess and treat humans suffering from a medical or traumatic injury; those skills can be applied to injured animals as well. This hands-on skills session will provide responders with information on common animal emergencies on campus (from pot and alcohol toxicity to dorm fires); the correct approach and restraint of an injured animal, first aid essentials using the tools already carried, proper assessment, wound care and bandaging techniques, oxygen therapy, and efficient animal CPR.

Skills Lab: Train Like You Fight

Conway

Military Medicine in the Prehospital Setting

Patrick McCarthy and Frederick Lough, COL, United States Army, MD, FACS

Roundtable: Technology

Lombard

Scott C. Savett, PhD, NCEMSF Vice President and Chief Technology Officer, Ian Feldman, Associate Webmaster, and Douglas R. Buchan, Assistant Webmaster

This roundtable discussion will be devoted to discussing the role of technology in running a campus EMS organization from ePCRs to social media to overall online presence. What are groups using? How are they implementing it? Who is managing it? What challenges are you facing?

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.

We Can't Stress This Enough:

Constellation C

Recognizing And Understanding PTSD as a College EMT

Mythili Ananthasayan and Brandon Chen, Bard College

As EMTs and paramedics, we face more than the normal amount of stress a college student goes through. Because we juggle the responsibilities of academics, extra-curricular activities and belonging to an emergency response organization, we often do not recognize where and how our stress manifests itself. This talk focuses on identifying symptoms of PTSD by discussing how the disorder alters your physiology and behavior. Furthermore, we plan to discuss potential ways of dealing with the stress of you and your squad mates.

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Pediatrics in the Prehospital Environment

Constellation D

Hendrik Bilek and Allison Brophy, Drexel University

So let's face it, when was the last time you had to treat a pediatric patient on campus. Children can be among the most challenging patients to assess and treat. From asthma to child abuse, and everything in-between we will cover the most common and bizarre illness that we have encountered both in the prehospital setting and working in the nation's #1 children's hospital's emergency department. We will also cover the different stages of development, the major anatomical differences between adults and kids and how to perform an accurate pediatric assessment. Most patients will let us auscultate their stridor or palpate their abdomen, but with a fussy and difficult child this can often be a challenge. Treating peds is more than just reaching for the Broselow bag.

Campus EMS Management of an Infectious Viral Outbreak

Constellation E

Gabriel Gan and Mirandy Li, Emory University

In Fall 2014, Emory University faced a sudden severe outbreak of norovirus, a highly contagious gastrointestinal disease that spread rapidly among the student body. Over a period of weeks, high volumes of patients were seen by Student Health Services, the Emory University Hospital Emergency Department, and Emory EMS. Effective communication between EMS agencies, hospitals, public health organizations, and other university departments was crucial in identifying the pathogen, treating affected students, and preventing further spread of the disease. In this presentation, we aim to highlight the lessons learned from this month-long incident, and provide recommendations for collegiate EMS agencies in managing similar outbreaks.

Evaluating the Effectiveness of a Medical Amnesty Policy

Constellation F

Brian Monahan, Georgetown University

With an increasing number of teenager and young adult deaths due to alcohol and drugs, Medical Amnesty Policies (MAPs) have seen increased interest in the higher education environment. Medical Amnesty Policies range in their scope and coverage, however, they all have the same premise: individuals experiencing a medical emergency should not worry about disciplinary or criminal sanctions when seeking medical care. In spring 2014, Georgetown University implemented a MAP that went into effect in Fall 2014. As the primary EMS providers for the Georgetown University Campus, Georgetown EMS was able to observe the effects the policy had on drug and alcohol emergencies. During the fall 2014 semester we tracked three key statistics that we believed would best model the effects of the policy. These included number of alcohol and drug calls, number of alcohol and drug transports, and transport status, including requests for ALS. Our data show a statistically significant increase ($p < 0.05$) in the number of alcohol and drug calls for eighteen year olds as well as a statistically significant decrease in the number of requests for ALS services in both 18 year olds and the college age population as a whole. Our data combined with future surveys on alcohol and drug usage on campus hope to show the effectiveness of implementing a medical amnesty policy in the collegiate environment.

Concussions - Staying aHEAD of the Injury

Baltimore

Noa Yee and Montane Silverman, Tufts University

With the prevalence of concussions on the rise, this issue has made national headlines. The number of concussed college students seen by the Tufts University Health Services has nearly tripled in the past three years. Tufts Emergency Medical Service has also seen an increase in head trauma and concussed patients both in athletes and in the general campus population. While much is known about the clinical manifestation of the injury, little emphasis exists in the realm of emergency medical services on treating a patient with said injuries. This presentation aims to give a thorough examination of the social and clinical aspects of the condition as well as present the current clinical recommendations and policies that surround concussions and mild traumatic brain injuries. This presentation utilizes information from popular culture and uses Tufts University as a case study for how to detect, treat, and implement interdepartmental policy around this common problem.

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Female EMT: We do the Same Job, Just in Heels

Annapolis

Anna Dornisch, University of California - Los Angeles

Prehospital care has always been a male-dominated profession. This is especially true in typical fire departments, but ambulance companies also follow this trend. However, campus EMS programs often times have equal numbers of male and female EMTs. This provides a unique situation for females, which comes with many challenges as well as many distinctive opportunities to develop as a leader, team player, and medical professional and sometimes even provides for a good laugh. As an EMT who regularly works with LAFD paramedics and UCLA Police Department Officers, as well as the QI Supervisor for my organization who works with our Medical Advisor, Administrative staff at the UCLA Hospital, and LA County Department of Health Services, I want to share my personal experiences as a female in EMS and all the stories that come along with it.

The Fray in EMS: How to Save a Life (With Communication)

Frederick

Hannah Peifer and Sandra Loza-Avalos, University of Pennsylvania

Communication is a vital yet often overlooked aspect of EMS. As professional student leaders, there is no doubt that collegiate EMTs are able to perform the clinical skills necessary to offer the best possible patient care. Without effective communication, however, talent and skills fall to the wayside. We practice and perfect our skills of back-boarding, administration of medications, and CPR, but how often do we practice something as seemingly basic as communication in an effort to improve it? How does communication affect the quality of patient information gathered on scene, the efficiency of crew responses and actions, or the training and the skills we use? When we transfer patient care, how does what we say matter and affect the patient later on? Let us take a step back and analyze the effectiveness of the different methods in which we interact and share information in the field of EMS.

Balance of Peer Leadership & Management in Campus EMS

Columbia

Ryan Johnson, Virginia Tech

NAEMT recognizes that "solid, strong leadership is a quality that every organization and company seeks and appreciates." Often, in typical paid or volunteer EMS systems, squad leadership is characterized by experience or time with the squad. In collegiate EMS systems though, we do not have that option. How can we earn the respect of our peers and be successful leaders and managers? How can we show college or university leadership, regional EMS councils, and state officials that they should trust our decisions? Using the fundamentals of management engineering, this lecture will address the challenges of peer leadership, what makes good leaders, and how to execute decision-making. We will go in depth about the dynamics of a decision and the biases that can affect our organizations. By the end of this lecture, all participants will have the knowledge and ability to understand dynamics of your agency and start to make and implement choices that make your squad stronger.

Regional Roundtable Discussions

Constellation A/B

NCEMSF National and 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. Meet in Constellation A/B and then spread out.

12:30 pm - 1:30 pm Lunch

With an hour for lunch, we recommend one of the Harborplace foodcourts (either in The Light Street Pavilion or The Gallery) or the hotel restaurant-Bistro 300. There are plenty of options to fit any appetite and budget. Consider taking advantage of *Baltimore's Show Your Badge Program*. See a listing of options on page 38.

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

 **Get Me That Tube! Is Endotracheal Intubation the Only Way?**

Constellation C

Christian Grant, Jr, NRP, and Domenic Corey, NRP

Advanced airway management in the prehospital environment has become a topic of much discussion and evaluation in recent years. Changes in equipment and techniques for airway management have proven to be

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evolving continuously. Although ever changing, alternative forms of airway management have become more prevalent than in the past, allowing ALS and BLS providers to secure an advanced airway without using an endotracheal tube. In this lecture we will discuss the indications for advanced airway management, which will include the devices and techniques used to accomplish this task. Topics covered will include BVM ventilations, endotracheal intubations, supraglottic airways, video laryngoscopy and surgical airways. In addition, we will also cover some recent literature on prehospital intubation and the current trends in the field. Attend the practical lab session after this lecture, which will put all of these lessons into use.

The Evidence Behind ACLS: The Importance of Good BLS *Annapolis* *Kelsey Sheak*

A detailed look at evidence based best practices in prehospital resuscitation care. The focus of this lecture will dissect the literature promoting the optimization of high quality CPR, defibrillation and the chain of survival. The lecture will also address physiologic CPR, a novel concept that seeds the idea of providing CPR tailored to patients based on their physiologic response in real-time.

ETOH: Considerations & Solutions to the Problem We Face *Baltimore* *Jonathan Blatman, NRP*

Campus-Based EMS agencies respond to a large number of calls involving alcohol. This session will look to recent research for successful solutions to alcohol-based EMS calls, as well as address some of the underlying issues that cause EMS to become involved with intoxicated persons. Bring your own ideas as well, as there will be opportunity to discuss options that have succeeded (and failed) at your own school.

Queering the Field: an LGBTQ Primer *Constellation F* *Mariah Swiech Henderson*

The LGBTQ (lesbian, gay, bisexual, trans, and queer/questioning) communities often experience discrimination and misunderstanding in the face of medical professionals and public safety workers. This awareness training aims to familiarize EMTs with terminology used by the LGBTQ communities, examine relevant medical concerns for these individuals, and provide options for potentially uncomfortable patient interview questions. All identities are welcome to attend.

The Abused Patient: Identification, Care, and Reporting *Constellation D* *Joseph Lizza, MAEd*

As care providers it is important to understand that when it comes to physical abuse and neglect just because it may not be happening to you or someone you know, does not mean it is not happening to someone. In today's society emergency medical services providers cannot wear blinders to this serious situation. However with the proper training they can play a big role in helping properly identify abused and neglected patients while understanding that at the same time it takes a team effort of all stakeholders being aware of the possibility for abuse to make the right decisions and diagnosis. In this workshop participants will learn about the various types of abuse, assault, battery, and neglect, identify physical and behavioral indicators, and identify strategies for the proper reporting of these patients.

Migraines: So Much More Than Just A Headache *Constellation E* *Rebecca Valentine*

Migraine headaches are common but not well understood by the prehospital healthcare community. If you have never experienced a migraine, count yourself lucky. During this presentation, the migraine headache will be demystified. Maybe you'll even expand your skill set for recognizing, stabilizing and treating the patient with the signs and symptoms of a migraine headache. We will also explore medical emergencies that mimic migraine but are in actuality other conditions.

Mild TBI From Pre-hospitalization to Outpatient Follow-Up: A Neuropsychology Perspective *Frederick* *Ari Rabkin, PhD*

Mild traumatic brain injuries (TBIs), also known as concussions, have been a highly debated topic for researchers, clinicians, and the popular media. To address injuries sustained during individual leisure

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activities to organized team sports, EMS providers are often called to provide initial care and transport but rarely involved in post-transport care of the injured. The purpose of this presentation will be to review the treatment and management of mild TBIs from the pre-hospitalization setting to outpatient follow-up; emphasize what empirical research says about the reality of mild TBIs (e.g., impact of a single mild TBI on neurocognitive dysfunction more than three months post-injury); and discuss the roles that neuropsychologists and other non-physicians (e.g., coaches, athletic trainers, occupational/physical therapists) often play as part of a multidisciplinary team for managing mild TBIs

♠Cheating Death through Suspended Animation

Chesapeake

Peter Adams, CCRC, NREMT

Penetrating trauma patients who experience cardiac arrest survive less than 10% of the time despite the best prehospital and in-hospital trauma care. Researchers at the University of Pittsburgh and University of Maryland think they have the solution to improve these odds. This study, called Emergency Preservation and Resuscitation for Cardiac Arrest from Trauma, involves placing the patient on a cardiac bypass pump and flushing a body with ice-cold saline to induce profound hypothermia. Once the goal temperature is reached, the patient is brought emergently to the operating room to repair the patient's injuries and subsequently rewarm the patient. This session will provide a brief review of penetrating trauma, an overview of the study procedures and their rationale, and a discussion of the ethical implications of exception from informed consent research.

✿Training the Trainer to Train:

Columbia

Tips and Ideas for New and Perspective Training Officers

Stu Rosenhaus, CIC

This highly interactive program is for training officers, instructors, or those interested in becoming one. We will discuss the basics of oral presentations and skills demonstrations. We will stress how to keep things lively in the classroom. Participants will participate in icebreakers and creative thinking exercises that they will be able to implement on their campuses.

✿Non-Clinical Career Paths for the Collegiate EMS Provider

Calvert

Jonathan Arthur and Geoffrey Finnegan

As collegiate EMS providers you have extensive training and experience in both clinical and operational areas. It is likely the overwhelming majority of your peers have aspirations in the clinical world; what if you have your sights set elsewhere? This session will delve into the less prevalent career paths of collegiate EMS alumnus and discuss how the traits of high performing prehospital providers translate into the professional world. The presenters will reveal how they leveraged their EMS experience to launch careers in management, consulting and research. The session will review best practices for representing your time in EMS, how skills learned in emergency services distinguish you from peers, and spotlight career success stories.

Skills Lab: Improvisational Splinting

Harborview

Gates Richards, MEd, WEMT-I, FAWM

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: Train Like You Fight

Conway

Military Medicine in the Prehospital Setting

Patrick McCarthy and Frederick Lough, COL, United States Army, MD, FACS

Roundtable: Recruitment and Retention

Lombard

Katie Egan and Lex Martin, NCEMSF Regional Coordinators

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

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

Airway Management: New Evidence & Advanced Techniques *Columbia*

Mark E. Escott, MD, MPH, FACEP

This presentation will discuss Dr. Escott's research through Baylor College of Medicine, and soon to be published prospective research on video laryngoscopy vs. direct laryngoscopy as the primary intubation technique for advanced life support providers. This will also include a discussion of the evidence and history behind our current airway management strategies, and discuss an evidence based guideline for ALS providers.

Resuscitation Review 2014: Articles You've Got to Know! *Constellation D*

Benjamin Lawner, DO, MS, EMT-P, FACEP

EMS protocols have a hard time keeping pace with the constant turnover in the medical literature. So, sit down, fasten your lap belt, close the protocol book, and take a look at the latest emerging trends in prehospital medicine. EMS providers have made significant contributions to the the fields of cardiac arrest resuscitation, trauma care, and airway management. Dr. Lawner will summarize important articles of 2014, and suggest how the findings will impact your daily practice.

Just a Headache? *Constellation E*

Michael Guttenberg, DO, FACEP, FACOEP

Headache is a common patient complaint with multiple causes, some mild and some life threatening. The college campus is not immune from seeing patients with headache complaints. This lecture will review the prevalence and epidemiology of headache, review the relevant neuro anatomy for headache complaints, and focus on the relevant components of the physical exam and differential diagnosis of headache patients.

Novel Drugs of Abuse - Identification and Treatment *Constellation F*

David Neubert, MD

Each day EMS workers come in contact with patients that are under the influence of illicit substances. There are a number of novel drugs of abuse that are being used that can cause psychosis and acute violence. It is important that EMS providers are aware of these new substances, and have techniques and tools in order to care for the patients that are under the influence of these intoxicants. This class will review the latest information on these novel drugs, and discuss patient management and deescalation techniques. The use of ketamine as a unique treatment modality for these patients will also be discussed.

Collegiate EMS Transport Policies for Intoxicated Undergraduate Students *Baltimore*

Jeffrey Luk, MD, MS, FACEP and Jamie Shah, NREMT

Management of intoxicated undergraduate students is a never-ending challenge for collegiate EMS agencies. Numerous obstacles prevent these agencies and medical directors from following the most optimal policy for the locality as a whole. As more institutions adopt Alcohol Amnesty policies every year, special attention to the current transport policies of undergraduate EMS agencies is vital. A study conducted at University Hospitals Case Medical Center compared the transport policies for intoxicated undergraduate students among undergraduate EMS agencies across the United States. This presentation will outline the many challenges higher education institutions face when managing intoxicated students, discuss the views of medical directors on the current transport policies, and explore the possibility of adopting a universal procedure for the transport of undergraduate intoxicated students by undergraduate EMS agencies.

Sticks, Stones and Broken Bones: Pediatric Injuries *Chesapeake*

Jennifer Guyther, MD

Children can and will do anything and go anywhere that looks FUN! Our first goal is to prevent injuries and our first duty is to do no harm. Jennifer Guyther from the University of Maryland will present minor and major orthopedic injuries seen in children. This session will cover how to recognize, stabilize, and treat both upper and lower extremity injuries. Injury = Pain; pain assessment and management will be emphasized.

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◆Spinal Cord Injury: Things They Left Out in EMT Class

Frederick

Gary Hecker, RN, CCRN, CIC

In this session the participant will review the anatomy and physiology of the spinal cord. Mechanism of injury will be discussed and different types of spinal cord injury will be identified. Patient assessment, including different cord syndromes will be reviewed.

❖CBRNE Terrorism Awareness and Response

Calvert

David Lebowitz, MS, NREMT-P, CPP

CBRNE Terrorism Awareness and Response is a program developed to prepare first responders with the knowledge to appropriately identify and respond to a potential WMD incident. Course participants will be exposed to topics throughout the Chemical, Biological, Radiological, Nuclear, and Explosive threat matrix, from the fire department, emergency medical services, and law enforcement viewpoints, allowing for an exposure to diverse perspectives and priorities. Beneficial for both advanced life support and basic life support providers as well as emergency services management, participants will gain a unique appreciation for the complexities of responding to a CBRNE crisis event and leave prepared to begin the planning process for their respective jurisdictions.

☉Patients with Autism: How to Respond and React

Annapolis

Katherine Koch, PhD, NRP

Individuals with autism can present in a variety of ways that can be unpredictable and create barriers to care for EMS providers. Young adults with autism are enrolling in college in increasing levels, which will increase the likelihood that college EMS responders will encounter a patient on the autism spectrum. This session is intended to provide an overview of autism spectrum disorders, the characteristics of autism spectrum disorders and ways a patient with autism might respond during a medical or trauma emergency that can impact the care provided. The discussion will also review suggestions for EMS providers who are responding to the scene, ways to facilitate communication with the patient with autism and scene and transport management.

☉Athletic Trainers are Jerks!

Constellation C

Ronald Roth, MD

EMS providers are often required to provide coverage at sporting events. However, poor interactions with athletic trainers on scene can jeopardize the health and safety of the injured athlete. In this forum we will explore the differences between the training and medical direction for Athletic Trainers and EMS providers. Athletic trainers may see EMS providers on standby at a sporting event as disinterested and confrontational. Athletic trainers are seen as cavalier and misinformed by their EMS counterparts. Through real cases, the presenter will address these differences so you don't have to on game day.

Skills Lab: Moving, Lifting and Transporting in the Wilderness

Harborview

Gates Richards, MEd, WEMT-I, FAWM

This workshop will cover safe movement of injured patients 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 environment.

Skills Lab: Get Me That Tube!

President

Christian Grant, Jr, NRP and Domenic Corey, NRP

Advanced airway management in the prehospital environment has become a topic of much discussion and evaluation in recent years. Changes in equipment and techniques for airway management have proven to be continuously evolving. Although ever changing, alternative forms of airway management have become more prevalent than in the past, allowing ALS and BLS providers to secure an advanced airway without using an endotracheal tube. In this hands-on skills session, we will continue the talk on advanced airway management from the lecture series of this presentation. We will discuss the use of these alternative airways, in addition to practice using them on airway management manikins. Instruction will be provided by ALS providers with experience in using the devices covered. Make sure to attend the lecture series that is given before this skills session to get the most out of the skills session.

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Skills Lab: Train Like You Fight

Conway

Military Medicine in the Prehospital Setting

Patrick McCarthy and Frederick Lough, COL, United States Army, MD, FACS

Skills Lab: Let's Talk About Sex:

Lombard

How to Take a Patient-Centered Sexual History

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

Whether for your student role in EMS or for later as a medical provider, this hands-on workshop will teach you the necessary skills on taking the most useful sexual history from even the shyest patients. Having earned the title at the University of London as the "Sherlock Holmes of sexual history taking," Eric has provided this workshop from Johns Hopkins University School of Medicine to Oxford and countless medical schools, STI clinics, student health centers, and hospitals in between.

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

Ballroom Foyer

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

Poor Prognostic Indicators: Critical Thinking in EMS

Chesapeake

Stu Rosenhaus, CIC

A review of key signs and symptoms will help prehospital care providers quickly identify immediate life threatening conditions. The focus will be on developing critical thinking skills needed during patient assessment, including the need for rapid interventions and transport decisions.

Managing Crashing Patients in the Field:

Constellation D

Strategies to Reduce Mortality

Mark Pinchalk, MS, EMT-P

EMS providers routinely encounter critically ill medical patients in the field. Taking a "load and go" approach with these patients will often result in increased morbidity and mortality. This presentation will review the concept of "crashing" medical patients and physiological and operation parameters associated with these patient suffering cardiac arrest in the field during care. A management algorithm will be proposed to provide more effective aggressive prehospital care to these patients and improve outcomes.

Overdose Toxidromes

Constellation E

Joseph M. Grover, MD

Toxic ingestions are unfortunately a common EMS call for college EMS providers. While every provider may be extremely comfortable with the physical exam findings associated with ethanol ingestion, many providers are not as comfortable managing mixed ingestions or other overdoses. The goal of this presentation is to introduce providers to other overdoses they may see when evaluating the overdose patient. We will cover key ECG findings, physical exam findings, as well as the prehospital and ER management for these overdoses.

◆ How Low Do We Go to Stop the Flow?

Constellation F

Prehospital Trauma Resuscitation 2014

Benjamin Lawner, DO, MS, EMT-P, FACEP

Your patient's blood pressure is dropping, and the nearest trauma center is 20 minutes away by ground. Do you pause to consider ALS? Is it appropriate to call for aeromedical evacuation? What are the most important interventions you can perform that will directly affect survival? Dr. Lawner will review the recent trauma literature and highlight EMS interventions directly linked to patient outcome.

◆ Under Pressure: Crush Injuries and Compartment Syndrome *Constellation C*

Benjamin N. Abo, DO, EMT-P, FAWM

Coming to you from one of the largest EMS services and busiest trauma centers, this talk will take us through the recognition of, the decision making for, and varying treatments for crush injuries and compartment syndrome of all sorts of body parts.

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✿EMS Research During Your Undergraduate Years

Annapolis

Jeffrey Luk, MD, MS, FACEP and Jamie Shah, NREMT

Have you ever thought about conducting research in an EMS setting? It is being done by the Emergency Medical Research Division in the Department of Emergency Medicine at University Hospitals Case Medical Center, the primary teaching affiliate for Case Western Reserve University School of Medicine, in Cleveland, OH. This unique division is composed of students majoring in various fields of study, such as english, engineering, mathematics, nursing, and business. Many of the members are also involved in the campus EMS organization, Case EMS, and use this liaison as inspiration for clinical research projects relating to EMS. The organization trains and provides undergraduate students with the opportunity to perform clinical research in conjunction with Emergency Department faculty and residents. Members are extensively trained in HIPAA compliance, IRB procedures, and specific study protocols. This presentation will describe the new member education process, discuss the ability of undergraduate students to conduct clinical research, and give an overview of some of the EMS-related studies.

✿From QA to QI:

Frederick

Ensuring that Your Agency is Prepared for the Next Decade

Scott Matin, MBA, NREMT-P

Does your agency have a Quality Assurance or a Quality Improvement program? In healthcare today, these phrases are often blurred and used interchangeably when they are actually vastly different concepts. With pay for performance almost upon us, quality in the ambulance industry is more important today than ever before. This presentation will serve as a template for EMS managers who want to establish and maintain a program for continuously monitoring and improving the quality of services in their organization.

❖MCI Medical Management - Myth vs. Reality

Columbia

Michael Guttenberg, DO, FACEP, FACOEP

Many college and university campuses are a reflection of the greater surrounding community. They are not immune to mass casualty incidents and disasters, both natural and man made. Although no two MCIs are the same, many of them share unique characteristics. This lecture will review what makes a mass casualty incident and by studying prior events, help the participant to define injury count expectations, injury patterns, and match limited resources to anticipated needs. Case studies from MCIs and disasters both nationally and internationally will be reviewed.

☺Funny, You Don't Look Deaf

Baltimore

Rebecca Valentine

This session provides a closer look at the Deaf and Hearing Impaired Community. Medical mistakes, omissions and delays can happen when miscommunication occurs. Additionally, EMS professionals puts their own hearing at risk every day. Tips to avoid further hearing loss will be explored. During the last part of the session, everyone will get a chance to learn and practice key signs in American Sign Language to assist in communication with the Deaf and Hard of Hearing.

☺Community Paramedicine in the Philippines

Calvert

James Wilmerding, MS, MEd, EMT-P

On November 8, 2013, Typhoon Haiyan (Yolanda) slammed into the Country of The Philippines raking over many of the 7,100 islands with 190+ mph winds and devastating levels of storm surge for 24 hours. In the end, over 6,300 fatalities, 29,000 injuries, and 16 million people were affected/displaced. Leading a team of healthcare providers from Remote Area Medical Volunteer Corps., Jim and his son Andrew spent the month of January working in rural villages treating over 4,000 patients. Come learn about this life-changing medical mission and how the community paramedicine model played an integral part contributing to its success.

Skills Lab: Improving Your Use of Supraglottic Airways

President

Sean McMullen, CEP, AAS

Many people describe supraglottic airways as “foolproof.” While it is true that they are much simpler to place than traditional endotracheal tubes, there is still a degree of knowledge and skill required to effectively use supraglottic airways. This hands-on workshop will discuss some of the common pitfalls, how to avoid them,

Conference Schedule - Saturday, February 28, 2015

and how to troubleshoot issues when they arise. An advanced airway mannikin, King LT-D airways, Combitubes, and LMAs will be provided for hands-on practice. Providers that use other types of supraglottic airways are encouraged to bring an extra device for practice.

Skills Lab: Hands-on Childbirth Concepts and Scenarios

Harborview

Samantha Sawan and Grace Thole, MA, Collette O'Connor, and Alethea Granberg, MSM

Emergency Childbirth is an often-unpracticed, but vital skill for EMTs. During this course, attendees will review basic concepts of emergency childbirth and practice assessing and managing a patient through emergency childbirth during active, hands-on scenarios. Participants will work in small groups with instructors and childbirth manikins to conduct full assessments, guide the mother through childbirth, and assess and manage both the mother and the newborn during and post-delivery. Come join a unique skills lab experience.

Skills Lab: Train Like You Fight

Conway

Military Medicine in the Prehospital Setting

Patrick McCarthy and Frederick Lough, COL, United States Army, MD, FACS

Roundtable: Fundraising and Financing

Lombard

Matthew D. Ricci and David Afienko, 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.

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

George J. Koenig, Jr, DO, NCEMSF President

Improving Prehospital Trauma Care via Health Services Research

Elliott R. Haut, MD, PhD, FACS

Prehospital trauma care practices for victims of penetrating trauma are based more on tradition rather than scientific evidence. Many patients are transported by EMS providers capable of performing medical procedures. But just because procedures CAN be performed, does not mean they SHOULD be. Procedures such as spine immobilization, IV fluid administration and endotracheal intubation may delay the transport of trauma patients to definitive care. As these procedures have been scrutinized in clinical research studies, data have shown that the associated harm may far outweigh any small potential benefit. In this lecture, Dr. Elliott Haut will summarize current controversies in the prehospital care of trauma victims. He will explain different clinical research approaches to investigate outcomes in trauma. He will also give concrete examples of how evidenced-based changes have been translated into routine EMS protocols and practice for trauma victims.

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

Learn how the Foundation continues to grow and mature, where the Foundation is heading and how you can participate. Learn how NCEMSF can better serve you through all of its various programs and member benefits. Includes brief introductions and reports from the NCEMSF Executive Officers, Division Coordinators and Committee Chair-people followed by the annual awards ceremony.

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Awards Ceremony

NCEMSF recognizes outstanding efforts made by individuals and organizations through its awards program. The winners of the Physio-Control EMS Skills Classic and CPR Challenge will be announced. New additions to NCEMSF's HEARTSafe Campus and EMS Ready Campus Programs will be acknowledged as well. Campus EMS providers who have participated directly in a CPR save over the past year also will be commended by the Sudden Cardiac Arrest Association (SCAA).

Striving for Excellence

Richard W. Vomacka Student Speaker Competition

Collegiate EMS Week Celebration of the Year

Collegiate EMS Video of the Year

Collegiate EMS Web Site of the Year

Collegiate EMS Advisor of the Year

Collegiate EMS Provider of the Year

Collegiate EMS Organization of the Year

George J. Koenig, Jr. DO NCESMF Service Award



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

Campus EMS Alumni are invited to join NCESMF leadership for happy hour. Reminisce with old friends and catch up on happenings since graduation. Network with our accomplished group of speakers (a significant number also alumni) 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 for reservations. Consider pairing up with another squad and eating together and continuing conversations from earlier in the day. See a listing of local restaurants and nighttime suggestions on page 35 or consult the Hotel Concierge.

After dinner, there is plenty to do! Stay out and enjoy Baltimore or return to the party at Club NCESMF and Casino!

10:00 pm - 2:00 am *Club NCESMF and Casino* *Constellation A/B*

Join the party at Club NCESMF and Casino! No need to congregate in the halls or cram large groups into a small hotel room, when you return to the hotel from dinner, join the party!

Hop in the photo booth and create memorable souvenirs of you and your collegiate EMS friends from across the country (9:00 pm - 1:00 am). Join the rest of your fellow collegiate EMS providers and "gamble", dance and sing the night away with our live DJs. Try your hand at beating the NCESMF house at your favorite casino games including Black Jack, Poker, Craps, Roulette, etc... Great prizes are available including TVs, gift cards, and a plethora of EMS supplies. 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 a chance at winning big. The casino will close at 1:00 am, but the music, by DJ Ju Lee, will continue until 2:00 am, 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 also be served.

GET SOME REST!

WE'LL SEE YOU IN THE MORNING...

Notes on Saturday’s Program:

Schools in Attendance

*At the time of publication, the following 99 universities (1,041 + 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>
Amherst College	14	MA	Massachusetts	FR	Non-Emergent Transport
Arizona State University	11	AZ	Central	BLS	QRS
Bard College	8	NY	New York	BLS	QRS
Binghamton University	26	NY	New York	ALS	Ambulance Transport
Boston College	8	MA	Massachusetts	BLS	QRS
Boston University	1	MA	Massachusetts	BLS	QRS
Brandeis University	22	MA	Massachusetts	BLS	Non-Emergent Transport
Brown University	3	RI	Northeast	ALS	Ambulance Transport
Bryn Mawr College	2	PA	Pennsylvania	Startup	
Carnegie Mellon University	18	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	12	OH	Midwest	BLS	Transport
Clark University	17	MA	Massachusetts	FR	QRS
Clarkson University	3	NY	New York	BLS	Non-Emergent Transport
<i>College of Charleston</i>	5	SC	<i>Southeast</i>	<i>ILS</i>	<i>Ambulance Transport</i>
Columbia University	14	NY	New York	BLS	Ambulance Transport
Cornell University	12	NY	New York	BLS	Non-Emergent Transport
Daniel Webster College	1	NH	Northern New England	ILS	Non-Emergent Transport
<i>Dartmouth College</i>	8	<i>NH</i>	<i>Northern New England</i>	<i>BLS</i>	<i>QRS</i>
DeSales University	10	PA	Pennsylvania	BLS	QRS
<i>Drexel University</i>	17	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
Duke University	4	NC	Southeast	BLS	QRS
Emory University	8	GA	Southeast	ILS	QRS
Fordham University	20	NY	New York	BLS	Ambulance Transport
Franklin and Marshall College	6	PA	Pennsylvania	BLS	QRS
Franklin Pierce University	8	NH	Northern New England	BLS	QRS
Georgetown University	16	DC	Mid Atlantic	BLS	Ambulance Transport
Harvard University	16	MA	Massachusetts	BLS	QRS
John Carroll University	8	OH	Midwest	BLS	QRS
Johns Hopkins University	8	MD	Mid Atlantic	BLS	QRS
<i>Juniata College</i>	3	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
Lehigh University	7	PA	Pennsylvania	BLS	QRS
Loyola Marymount University	13	CA	West	BLS	QRS
<i>Macalester College</i>	7	<i>MN</i>	<i>North Central</i>	<i>BLS</i>	<i>QRS</i>
Massachusetts Institute of Technology	12	MA	Massachusetts	BLS	Ambulance Transport
McMaster University	7	ON	Canada	BLS	Non-Emergent Transport
Mount Holyoke College	5	MA	Massachusetts	BLS	QRS
Muhlenberg College	10	PA	Pennsylvania	BLS	Non-Emergent Transport
Northeastern University	6	MA	Massachusetts	Startup	
Norwich University	12	VT	Northern New England	BLS	Non-Emergent Transport
Ohio State University	1	OH	Midwest	Startup	
Paul Smith's College	4	NY	New York	Startup	
Pennsylvania State University	10	PA	Pennsylvania	BLS/ALS	Ambulance Transport
Radford University	2	VA	Mid-Atlantic	BLS	QRS
Rensselaer Polytechnic Institute	7	NY	New York	BLS	Ambulance Transport
Rice University	9	TX	Central	ILS	QRS
Rochester Institute of Technology	20	NY	New York	BLS	Ambulance Transport
Rowan University	12	NJ	Northeast	BLS	Ambulance Transport
Saint Anselm College	1	NH	Northern New England	BLS	QRS
Saint Michael's College	4	VT	Northern New England	ILS	Ambulance Transport

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>
Santa Clara University	11	CA	West	BLS	QRS
Skidmore College	10	NY	New York	BLS	QRS
Stockton College	9	NJ	Northeast	BLS	QRS
SUNY Albany	13	NY	New York	BLS	Ambulance Transport
SUNY Geneseo	6	NY	New York	BLS	QRS
SUNY Oneonta	25	NY	New York	BLS	QRS
SUNY Potsdam	2	NY	New York	BLS	QRS
<i>SUNY Stony Brook</i>	<i>1</i>	<i>NY</i>	<i>New York</i>	<i>ALS</i>	<i>Ambulance Transport</i>
Syracuse University	7	NY	New York	BLS	Ambulance Transport
<i>Temple University</i>	<i>19</i>	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
<i>Texas A&M University</i>	<i>5</i>	<i>TX</i>	<i>Central</i>	<i>ALS</i>	<i>Ambulance Transport</i>
The College of New Jersey	2	NJ	Northeast	BLS	QRS
The George Washington University	29	DC	Mid Atlantic	BLS	Ambulance Transport
<i>Tufts University</i>	<i>10</i>	<i>MA</i>	<i>Massachusetts</i>	<i>BLS</i>	<i>Non-Emergent Transport</i>
Tulane University	14	LA	Central	BLS	Ambulance Transport
University of Arizona	4	AZ	Central	BLS	QRS
University of California-Los Angeles	11	CA	West	BLS	Ambulance Transport
University of Chicago	4	IL	North Central	FR	Event Standby
University of Dayton	12	OH	Midwest	BLS	Ambulance Transport
University of Delaware	43	DE	Mid Atlantic	BLS	Ambulance Transport
University of Guelph	7	ON	Canada	BLS	QRS
University of Il. at Chicago	5	IL	North Central	BLS	Ambulance Transport
University of Il. at Urbana-Champaign	14	IL	North Central	BLS	Event Standby
University of Iowa	7	IA	North Central	EDU	Education
University of Maine	6	ME	Northern New England	ALS	Ambulance Transport
University of Massachusetts Amherst	16	MA	Massachusetts	BLS	Event Standby
University of Massachusetts Lowell	8	MA	Massachusetts	BLS	QRS
University of New England	13	ME	Northern New England	BLS	QRS
University of New Haven	1	CT	Northeast	BLS	QRS
University of Pennsylvania	30	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	13	PA	Pennsylvania	EDU	Event Standby
<i>University of Rhode Island</i>	<i>27</i>	<i>RI</i>	<i>Northeast</i>	<i>BLS</i>	<i>Ambulance Transport</i>
University of Richmond	8	VA	Mid Atlantic	BLS	QRS
University of Rochester	10	NY	New York	BLS	QRS
University of San Francisco	2	CA	West	BLS	QRS
University of the West Indies	3		Rest of World	ILS	Ambulance Transport
University of Vermont	9	VT	Northern New England	ALS	Ambulance Transport
University of Windsor	7	ON	Canada	BLS	QRS
University of Wisconsin Madison	1	WI	North Central	FR	QRS
Ursinus College	5	PA	Pennsylvania	BLS	QRS
Vassar College	11	NY	New York	BLS	Non-Emergent Transport
Vermont Technical College	2	VT	Northern New England	BLS	QRS
Villanova University	14	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Polytechnic Institute	16	VA	Mid Atlantic	BLS/ALS	Ambulance Transport
<i>Wake Forest University</i>	<i>16</i>	<i>NC</i>	<i>Southeast</i>	<i>BLS</i>	<i>QRS</i>
Washington University - St. Louis	3	MO	Central	BLS	QRS
West Chester University of PA	6	PA	Pennsylvania	BLS	Non-Emergent Transport
Western Carolina University	4	NC	Southeast	BLS	Ambulance Transport
<i>Willamette University</i>	<i>2</i>	<i>OR</i>	<i>West</i>	<i>BLS</i>	<i>Non-Emergent Transport</i>
<i>Yale University</i>	<i>4</i>	<i>CT</i>	<i>Northeast</i>	<i>BLS</i>	<i>Event Standby</i>

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

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

Ballroom Foyer

8:00 am - 9:00 am *Workshop Session 9 - Young Alumni Series*

Forget Everything That You Know About CPR

Constellation C

John-Paul Couce, NRP

Every year in the US, there are nearly 400,000 incidents of out-of-hospital cardiac arrest with only a 10% survival rate nationwide. When provided with the world's highest survival rate - 62% in King County, WA - one can only ask: why is there such a disparity? With the 2015 Guidelines rolling out at the end of this year, there is no better time to conceptually and critically think about and reconstruct the manner of arrest management. When should I transport? Do I really need to clear the patient before shocking? Is oxygenation actually necessary? When shouldn't resuscitation be attempted? Does ALS have a purpose in arrests? Why are we even worrying about arrests? Come and explore these questions and more as we dig deep into the clinical practicality, research development, effectiveness, and bioethics surrounding cardiac arrest management. Buckle up and forget everything that you know about CPR.

Acting FAST with Strokes

Constellation D

Kathryn Marquis, RN

Early identification of signs and symptoms of a stroke are imperative for improved outcomes. This lecture will discuss the types of stroke, how to identify the signs and symptoms of a stroke and the importance of rapid transport to the nearest stroke center.

Pediatric Patient Assessment

Constellation E

Sean McMullen, CEP, AAS

Seizure. Respiratory distress. Cardiac arrest. Many EMS providers get a little rush of adrenalin when they hear these chief complaints over the radio -- after all, these are the real" medical emergencies we train for! So why, then, do we perform a complete 180 when we find out that the patient is a child? For most providers, emergencies in children are high risk, low frequency events that lead to a lot of nervousness. However, by understanding the basic differences and how to improve your pediatric assessment skills, you can remain confident when working with kids and provide better overall care.

Trauma: The Do's and Don'ts

Constellation F

Ross Feinman, RN, CEN, EMT-CC

Traditionally, as EMS providers we have been taught to get the patient to the hospital alive." However, we also have the opportunity to provide the first and most important interventions to not only get our patients to the hospital alive, but greatly reduce their length of stay and disability. This lecture will explore interventions such as tourniquets, limited IV fluid administration, and blood products that will reduce the three major factors contributing to increased mortality in trauma (hemodilution, hypothermia, and coagulopathy). Students will engage in real life case studies, determine what went wrong, and how we can do it right. This seminar is geared towards both ALS and BLS providers."

Battling Bureaucracy: University, City, and State

Baltimore

Brandon Murphy, NREMT

Building an organization is difficult. Building an EMS organization is just insane. This lecture isn't just for start-ups, it's also for those long standing organizations who have tirelessly worked with a university administration on a daily basis, only to hit one wall after the next. You may want to go 24/7, you may want more members, you may need new equipment, or you're even looking to get an ambulance. Each of these goals require working with your university, city, and state officials and it all comes down to communication. When should you meet with who? When should that email go out? What should it say? How are you as a student supposed to come across as someone officials will listen to? This lecture will lead you on the journey through the red tape.

Prehospital Simulation and EMS

Annapolis

William Sanna

When used in the context of EMS, the word simulation usually brings Mass Casualty Incidents to mind. While effective there, it has many other applications that can help better prepare you and your EMTs not only in

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terms of technical skills, but mentally as well. Psychiatric emergencies, obstetric emergencies, suicide attempts, major trauma, we train for these, see them infrequently, but have little room for error when encountering these in the field. Simulation allows us to prepare ourselves mentally as well as technically for difficult or rare scenarios, improving the care given to the patient, patient outcome as well as team work between providers. This lecture aims to provide some basics in how to apply sim-based education.

✿Life After Graduation:

Chesapeake

A Career in Public Health Emergency Management

Sean Britton, NRP, CEM

What am I going to do after college? If you are like many undergraduate students, you may be asking yourself this same question. This presentation will introduce the field of public health emergency management and explain how your background in emergency medical services can help launch your career within the field. Public health is an exciting field which provides an opportunity to serve your community. Health departments throughout the nation continue to prepare for, mitigate, respond to, and recover from emergencies and disasters. In the last 15 years alone, public health departments across the nation have responded to bioterrorism, pandemic influenza, natural disasters, and Ebola Virus Disease. Learn how your experience in emergency medical services can prepare you for a leadership position during the next public health threat!

❖A Bad Day at the Lab:

Frederick

Responding to Campus Lab Emergencies

Arman Fardanesh and Krista Murray

So you're dispatched to a chemistry lab on campus... Now what? EMS may be requested to respond to unique settings on campus including research laboratories. This presentation will take a closer look at the special hazards associated with responding to laboratories and the unusual situations with which EMS providers may be presented. An emphasis on crew safety as well as making a determination as to when to enter a laboratory will be discussed. Chemical, biological, and radiological threats will be presented including demonstrations to emphasize key points. Laboratory equipment hazards and treatment of laboratory injuries will be reviewed. Collegiate EMS entities will be encouraged to foster and maintain good working relationships with their respective Environmental Health and Safety offices, explore what resources are available to them, and train for these situations on a regular basis.

❖EMS Interaction with Bomb Squads

Columbia

James Kutz

This program will cover how the EMS unit is integrated into a hazardous device response with the Bomb Squad. It will cover what the squad will expect from the EMS crew, the type of injuries that might occur at a bomb site, as well as overall safety on the scene. Also covered will be an overview of the bomb technician, importance of rehab and the PPE he/she wears and how to remove it in the event of a medical emergency.

Physio-Control EMS Skills Classic Review

Calvert

Michael T. Hilton, MD, MPH 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.

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

🚑CPR Under the Hood

Constellation C

Andrew Randazzo, NRP, AAS

Healthcare professionals get tired of taking CPR classes every 2 years, and as a result, they become inoculated to this subject area. This interactive lecture will take attendees beyond the basics of a CPR class, and take an in depth look at the physiological affect of CPR. We are going to review the upcoming 2015 AHA guidelines, look at current research studies, and raise a lot questions about why we do what we do. There are also a few myths and misconceptions that we will debunk. When we understand the why behind what we do, we become high-functioning providers. Included in this lecture, we'll also discuss some of the trending tools that are increasing survival rates, including: Automated Compression Decompression devices, CPR feedback monitors, waveform capnography, circumferential compressions, impedance threshold devices, and more.

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🚑 Prehospital and Hospital Acute Stroke Care in 2015

Constellation D

Ray Bennett, RN, CFRN, CTRN, NREMT-P

This session will discuss the current systems and new opportunities in the treatment of acute stroke patients. The speaker will explore opportunities for improvement in decreasing the rapid assessment and door to needle times. Current therapies available and the differences between primary and comprehensive stroke centers will be explored.

♠ Controversies in Prehospital Trauma Care

Constellation E

Joshua A. Marks, MD

Using trauma case vignettes, this session will explore some of the ongoing controversies in prehospital trauma care. Much of our care is protocol based, but what is the evidence to support it? Studies have examined airway management, IV fluid administration, spinal immobilization techniques, application of tourniquets and the role of medications such as steroids in the management of traumatic brain injury and spinal cord injury. Other studies even challenge the premise behind prehospital care, advocating for a "scoop and run" approach. In the City of Philadelphia, for example, police often do not wait for EMS and transport severely injured penetrating trauma victims directly to the nearest trauma center in the back of the patrol car, but is this a good strategy and, if so, is it reproducible in other communities? Through an analysis of some of the data, this session will highlight the pivotal role prehospital providers play in the care of trauma patients, suggest some areas where EMS makes an undeniable positive contribution, and underscore some of the exciting opportunities for ongoing investigation.

✳ Essentials of EMS Documentation:

Constellation F

The Patient Sign-Off - What you need to know!

James Wilmerding, MS, MEd, EMT-P

Most of us are not lawyers but there are some basic concepts that we need to be aware of and follow as we document that patient care refusal call. It can be the most difficult task, yet important component of your overall PCR. Come hear what other providers are doing and review policies, procedures, guidelines and forms utilized in documenting an effective patient refusal.

✳ Why Do We Need To Do That? - Developing Policy

Baltimore

Derrick Jacobus

Do you dread the thought of having to put down your company's policies and procedures in writing? Are you positive that you can effectively produce documentation that conveys your policies and procedures appropriately while protecting your organization from legal liability?

❖ Scene Safety: What Does that Really Mean?

Annapolis

Daniel Maas

We give it lip service in training, stating that we are checking to make sure that the scene is safe. The EMT textbook devotes all of 5 pages to scene safety and focuses mostly on vehicle crashes and acts of violence. Have you trained and practiced on the skills you need to fully size up an incident scene and make sure it is safe for you and your crew? College and university campuses provide a variety of unique hazards and situations that are never discussed in EMT class. This talk will highlight some of those hazards and present some concepts for improving scene safety skills within your organization.

❖ The Hulk Problem:

Frederick

Radioactivity Gone Awry in a Complicated World

Eric Pohl, NREMT-P

Everyone knows that to get superpowers like Spiderman and The Hulk, all you need to do is be exposed to a radioactive substance, and soon you'll be endowed with super-strength and speed! Did you know that stories like these that we all hold true are actually the stuff of fiction? Today we'll talk about the scientific foundations of radioactivity, some real-world stories of what really happens when you're exposed to sources, and their impact on shaping the counter-terrorism posture in the US. We will discuss management and treatment of the injuries and illnesses that can result, and the EMS component in caring for victims, including patient decontamination.

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❖ Active Shooter Response

Columbia

Ian Feldman

While uncommon, active shooter incidents are nonetheless a threat that concerns emergency responders and emergency managers. Preparedness is key to ensuring survival as well as a successful emergency response. This session covers tips for civilians and EMTs in responding to an active shooter incident, including discussion of preventable causes of trauma fatalities.

🕒 State Department Emergency Medical Training Programs

Chesapeake

James Howson, CEM, NRP

The Department of State trains hundreds of non-medical personnel each year on the basics of operational emergency medical care in harsh and non-permissive environments. Groups that participate in this training program include: Foreign Service and Diplomatic staff; Diplomatic Security Special Agents, Embassy Marine Security Guards, and Post Security Officers. This presentation will cover the State Department's emergency medical training program and how it fits into the Foreign Affairs Counter Threat (FACT) and High Threat Tactical Course (HTTC) programs that are provided to Foreign Service and Diplomatic staff going overseas. It will also cover the specialized medical training provided to Diplomatic Security Special Agents (DSSA), and Marine Security Guards (MSG) assigned to US Embassies and Consulates. The program will describe the unique challenges and special requirements faced in training these various groups for overseas deployments.

Skills Lab:

Calvert

In Pursuit of Authentic Excellence - Leading Without Fear

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

Prior to attending this workshop, attendees should take the Life Values Inventory at <http://www.lifevaluesinventory.org> and print the first page of results, or be able to view them on their phone or tablet. In this skills workshop, Eric will help you clarify your values and show you how to be a more effective student, leader, and citizen of a global community. Fear is one of the most common guiding principles for our lives, but you can learn to set it aside and use positive values to build resilience and redefine success.

Roundtable: QA/CQI

Lombard

Frank Caria, MPA, CHC, AEMT

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.

Roundtable: Administrator/Advisor/Medical Director

Charles

Michael S. Wiederhold, MD, MPH, NCEMSF Treasurer, Moderator

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

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

🔧 Making Sense of EKGs

Baltimore

Yoni Litwok, MD

My patient is having crushing chest pain. The paramedic places the EKG leads on the patient, and now what? I wish I knew what to make of an EKG. What can it tell me about my patient? Is my patient having a heart attack? Is he/she having an arrhythmia? Is there anything I can do based on this EKG? In this interactive lecture, we will review how the heart works, how to interpret a normal EKG, and how EKGs correlate with cardiac disease. Learn the basics of EKG interpretation so that you can shine on your next cardiac call.

🔧 Patient Technologies and the EMT

Constellation C

J. Dominic Singh, NREMT-P

Medical science is moving forward at pace not seen in the recent past. Patients have access to high-tech and innovative technologies faster than EMS are able to utilize or be trained on them. These devices prolong and

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improve the quality of life for patients while at the same time creating unique emergency management and safety issues for EMS providers interacting with them. While college students typically don't have a need for these devices, many staff or patrons of large events on the campus are likely to be wearing them. The objectives of this program are to bring EMS providers to the awareness level of some of these newer patient technologies and leading edge EMS devices through lecture, videos, and discussion from real-world experience. Items to be discussed include automated injectors, wearable defibrillators, ventricular assist devices, and self-contained infusion pumps.

♠Trauma and the Eye

Constellation D

D. Chimene Richa, MD

This lecture reviews basic ocular anatomy, basic exam skills, and the different ways that trauma can affect the eye. This will include, but not be limited to: globe rupture, retro-bulbar hemorrhage, foreign bodies in the eye, retinal detachment, etc. Many times, when ocular trauma is suspected, the patient may need to be transferred to an institution where there is ophthalmology in-house, as a timely treatment is necessary. Other times, the trauma may require initial treatment in the field. This lecture will cover not only diagnoses, but also the necessary field treatments, the level of urgency, and degree of severity that would warrant transfer to a tertiary care center.

♠Determining the “Usual Suspects”:

Constellation E

Clues to Injury Patterns in Trauma

Mark Forgues, MEd, NRP

Often, clues to injuries can be found by looking at the situation and evidence surrounding the patient. Although mechanism of injury has been discounted by some, it remains a valuable and useful tool in determining patient injuries. This program will review motor vehicle accidents, falls, penetrating wounds and other traumatic injuries to demonstrate what indications can and cannot be used in your diagnostic decision making. We will examine actual cases and presentations to test your thought process. Bent metal does not necessarily mean a broken patient and a small wound can be lethal.

✿Developing a Leadership Training Program

Constellation F

Patrick McCarthy and Lisa Basgall, LP, MA, NREMT-P

Collegiate EMS systems vary in purpose, size, organization and structure. This session will invite participants to consider varied leadership styles and models, to examine different volunteer structures, and will offer analysis and evaluation tools to examine current organizations. Students who participate in a collegiate EMS service are called on to serve as leaders in a variety of capacities, ranging from leadership on scene of a medical emergency, to running budget meetings, recruiting peers to join the organization, updating campus officials about emergency planning and response, and building relationships with community partners. How does one acquire all of these skills in one or two years? How are these skills passed down to new leaders? Does everyone need the same skill set, and how are each person's strengths and skills best applied for the good of the organization today and long term? Taking the time to consider these topics may be helpful for both individual leaders and for those tasked with building the future of their campus' EMS service.

❖Emergency Management: It's More Than Just ICS

Annapolis

Daniel Maas

Emergency Management is a year round activity that starts long before and continues long after an emergency response. NCEMSF has acknowledged the importance of coordinated emergency management programs through development of the EMS Ready Campus recognition program. This session will introduce you to the basic concepts of all-hazard emergency management. We'll discuss the four phases of emergency management, some of the EM alphabet soup (such as THIRA, EOP, COOP, HSEEP, IMT, IAEM), and examples of emergency management related activities for EMS squads.

❖Bioterrorism: Are We Ready?

Frederick

Mark E. Milliron, MS, MPA, MHS

Bioterrorism continues to be a public health preparedness priority at the national, state, and local levels. Among the agents and diseases of concern are anthrax, botulism, plague, smallpox, and viral hemorrhagic fevers. Using scenario #2, Biological Attack - Aerosol Anthrax, from the National Planning Scenarios as an

Conference Schedule - Sunday, March 1, 2015

example, this session will look at the effects of this pathogen, the potential impact on major metropolitan areas, and the response needed to stabilize an incident of this magnitude. This session will review the background of anthrax as a weapon and its effects, detection methods including the BioWatch program, the decision making process utilizing various computer modeling methods, the distribution process for the Strategic National Stockpile, and the dispensing process utilizing local points of dispensing (POD) sites and other dispensing methods. College and university campuses can play key roles in preparedness and response.

❖See Something, Say Something:

Columbia

The Importance to Remain Vigilant in the Post 9/11 World

James Kutz

The lecture will cover the importance of remaining vigilant during responses, events, and everyday life. America is the land of soft targets from sea to shining sea and terrorists use our complacency to inflict terror into our lives. Also covered will be the response to suspicious packages and their associated dangers.

❖The Secret Service and Local Emergency Services:

Chesapeake

A Protective Partnership (Part I)

David Lebowitz, MS, NREMT-P, CPP

Beneficial for both administrators and field providers, the US Secret Service will provide an opportunity to discuss the intricacies of the protective mission during a Protectee visit or National Special Security Event (NSSE). During the session, we will explore the advance team's composition and processes, typical requests of the jurisdiction, response plan development, and introduce assets that the agency can provide in order to form a cohesive response partnership. Additionally, mission-specific threats will be discussed in order to demonstrate the additional concerns and challenges that will face local emergency services during operations.

Skills Lab: EMS Assessment of the Acute Stroke Patient

Conway

Ray Bennett, RN, CFRN, CTRN, NREMT-P

This session will use a case study approach to using the appropriate stroke assessment tool(s) to rapidly evaluate the acute stroke patient. As the case study progresses the critical thinking skill of choosing between a primary and comprehensive stroke center to provide for the best patient outcome will be discussed. This session will discuss the treatment options available to patients based on the time of symptom onset and the last time they were known to be normal.

Roundtable: Research Design & Execution in EMS

Calvert

Michael T. Hilton, MD, NCEMSF Director-at-Large and Research Coordinator

This roundtable discussion will focus on the major steps of performing a successful research project from start to finish. We will use participants ideas to 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 research ideas and questions.

Roundtable: Startup

Lombard

Joseph M. Grover, MD, NCEMSF Startup Coordinator

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learned at this year's conference and helping them determine the next steps in furthering their organizations as they prepare to return to their campuses.

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

🚒De-escalation Techniques: Let's Talk About It!

Constellation C

Dwight Polk, MSW, LCSW-C, NRP

One of the best skills in the emergency responder's bag of tricks is the ability to communicate with patients. So how do you go about talking down individuals in crisis who are panicked, scared, or out of control. This class will focus on how to conduct a quick scene-safety check, assess the client, and provide you a model on how to de-escalate patients who need your assistance.

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✿Keeping EMT Students Engaged Through Dynamic Teaching Methods

Constellation D

Nicholas Parks

Attention EMS Instructors! With media and technology ever evolving, finding new and exciting ways to teach your students the theory and skills of an EMT can help keep students engaged in your curriculum. In this interactive presentation, we will discuss what makes for a beneficial teaching environment as well as what instruction techniques Illini EMS has utilized to become recognized as one of the top EMT-B courses in the state of Illinois with a NREMT-B Exam pass rate of 96%. This presentation will help inspire EMS instructors to move past the monotony of simple lecture slide shows and toward a dynamic, hands-on approach to educating new EMTs of all levels.

✿EMS Bike Patrol: Scene Safety and Special Events

Baltimore

Kevin Sullivan, NREMT and Michael Glaubach and Frank Demes

EMS Cycling on campus presents unique challenges as well as unique rewards. This program will present an overview of EMS Cycling and its place in campus EMS and will address challenges that are specific to the campus environment. Participants will learn how bicycle EMS can significantly increase publicity, revenue, and relations with the community through special events services. Finally, participants will be able to interact with EMS bicycles that were deployed for events such as the 2013 Presidential Inauguration, Concert For Valor (Washington, DC), and other various events.

❖Active Threat EMS, What's the Difference?

Constellation E

Jody Heckman, PHRN

Active Threat/Shooter events are becoming alarmingly more prevalent. EMS is a dangerous profession. We are more likely to be injured responding to a call than in an active shooter event. There is no reason EMS can not perform our responsibilities safely in an active shooter situation. With a few changes in priorities, joint training, and breaking out of the old text book 'ABC' paradigm, we can continue to save lives in these horrible events. Waiting hours for PD to clear the scene while injured die is not acceptable. We CAN do better.

❖Where Do We Fit?

Frederick

Tim Lanese, RPh, MBA, FASHP, EMT-P, EMSI

Over the past decades the way the country and communities respond to large emergencies has changed and gone thru many evolutions. When a large event occurs it can be confusing to the individual players where they fit in the big picture. Understanding this structure and how to train within it will increase your effectiveness.

❖Pediatric Issues in Asymmetric Warfare

Annapolis

James Howson, CEM, NRP

Children are being increasingly targeted by criminal and terrorist groups. The attack on the school in Beslan, Russia in 2004, and the Kidnaping of over 200 girls from the village of Chibok, Nigeria in 2014 demonstrate that criminal and terrorist groups are willing and able to attack large numbers of children. This presentation will examine the physiological, developmental, and psychological issues that are of significant concern when responding to a terrorist or critical incident involving children. Additionally, PPE and pediatric decontamination issues will be discussed. The presentation also will review a critical incident that occurred in the US and resulted in the decontamination of over 50 children. The case review will cover the emergency management aspects of the incident, as well as the EMS and hospital response.

❖The Secret Service and Local Emergency Services: A Protective Partnership (Part II)

Chesapeake

David Lebowitz, MS, NREMT-P, CPP

Beneficial for both administrators and field providers, the US Secret Service will provide an opportunity to discuss the intricacies of the protective mission during a Protectee visit or National Special Security Event (NSSE). During the session, we will explore the advance team's composition and processes, typical requests of the jurisdiction, response plan development, and introduce assets that the agency can provide in order to form a cohesive response partnership. Additionally, mission-specific threats will be discussed in order to demonstrate the additional concerns and challenges that will face local emergency services during operations.

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☺Hooah! US Army MEDEVAC and Civilian EMS:

Constellation F

Lessons We Have Learned From Each Other

Christopher Stephens, MD

We will explore the history of civilian EMS, aviation, and military MEDEVAC. What have we learned from each other over the years? How has training of medics and EMTs evolved over the past few decades? A brief review of the research that has changed the way we care for the wounded. How U.S. Trauma systems assist with training military healthcare providers and how recent military experience has shaped the way civilian emergency care is delivered.

Panel Discussion:

Calvert

I <3 EMS, Now What?!? Turn Your Passion into a Paycheck

Jennifer D. Shoemaker, RN

You love being a part of EMS... and you also need a job. Did you know that being a part of EMS and a college degree alone could qualify you for some exhilarating non-EMS careers? Or that building your squad, training your crew, filling a schedule or meeting with administrators are actually job qualifications? Just because medical school or full-time EMS isn't for you doesn't mean that your collegiate EMS experience isn't going to be the ticket to an extraordinary career. Consider a variety of jobs that can be coupled with your experience in EMS to build the perfect career for you. We will highlight people who have successfully transformed their EMS careers into something outside the typical EMS or pre-med box. You will hear their stories, tricks, and secrets and be able to ask questions so you will be ready to take the next step after graduation.

Roundtable: Training for the Training Officer

Lombard

Raymond Levy, MPH, Samantha Sawan and Alethea Granberg, MSM

Filling the role of Training Coordinator for a collegiate EMS service is a great opportunity that is infinitely adaptable to fit the needs and goals of any organization. However, the role also comes with much responsibility. Your team looks to you to develop and run internal training programs, implement measures for Continuous Quality Improvement (CQI), offer continuing education courses, maintain training records and perform many other administrative functions. You are challenged with creating educational programs that are fun, interesting, interactive and relevant. CQI measures are expected to be conducted in a professional and meaningful way and you are accountable for staying up-to-date on the most current protocols and policies in your region. During this session we will hear from folks who have served in the Training Coordinator role, those new to the function and those interested in doing it in the future. Come join the conversation to exchange ideas, experiences, best practices and brainstorm about ways to excel in leading training.

12:40 pm - 1:40 pm *Final Plenary - Closing Keynote*

Constellation A/B

Introduction

George J. Koenig, Jr, DO, NCEMSF President

Challenging Your Clinical Boundaries

A.J. Heightman, MPA, EMT-P

The delivery of out-of-hospital emergency medical care is constantly evolving; with EMS personnel continually being called on to deliver more advance care. But what are our weak spots and where is the delivery of prehospital care headed in the future? Join A.J. Heightman as he looks in his clinical crystal ball and presents his vision of our future.

1:40 pm - 2:00 pm *Conference Wrap-Up*

Constellation A/B

NCEMSF 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 *NCEMSF News*.

SEE YOU NEXT YEAR — February 26-28, 2016!

Notes on Sunday's Program:

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

All NCEMSF conference sessions are eligible for continuing medical education credit. A maximum of 15 hours of CME are available for those that attend an educational offering every hour of the 2015 conference. In order to receive certification for your conference attendance and the sessions that you attended, please follow the directions below:

- At the conclusion of the conference, login to the NCEMSF website with your personal credentials (NCEMSF username and password) and complete the online post-conference evaluation form (CME link on the conference webpage).
- The online form provides opportunity to select, evaluate, and claim credit for the sessions that you actually attended. Attendees are reminded to claim credit only for those sessions in which they actually participated. Only one credit can be claimed per conference hour.
- After the feedback form is submitted, wait a few minutes and then click on the "My CME Records" link on the main menu and the NCEMSF server will generate and display a personalized PDF file with the sessions you attended including lecture title, 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.

Baltimore, MD - Welcome to Charm City!

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	

Lunch and Dinner Options

After a full morning, take a brief break to refuel. For lunch, we recommend one of the **two Harborplace foodcourts** (either in The Light Street Pavilion or The Gallery) or the hotel restaurant - Bistro 300. There are plenty of options to fit any appetite and budget - partial listing below (* indicated available discounts with Show Your Badge Program)

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 further, head to Little Italy or Fells Point. Group up with another squad and eat together. After dinner, join your fellow NCEMSFers at Club NCEMSF and Casino!

Inner Harbor www.harborplace.com

Bubba Gump Shrimp Co.*
(410) 244-0838

Cheesecake Factory
(410) 234-3990

Crepe Lena
(571) 33-3926

Five Guys Burgers and Fries
(410) 244-7175

Hooter's of Baltimore*
(410) 244-0367

Jonny Rockets
(410) 347-5757

La Tasca Spanish Tapas
(410) 209-2562

Lenny's Deli
(410) 230-0222

M&S Grill
(410) 547-9333

Noodles & Company
(443) 220-0060

Shake Shack
NEW: 400 East Pratt Street

Tir Na Nog Restaurant*
(410) 483-8968

Uno Chicago Grill*
(410) 625-5900

Powerplant Live!
www.powerplantlive.com
Premier dining and
entertainment destination

Restaurant Row
Aggio
(410) 528-0200

Havana Club
(410) 468-0022

Joe Squared*
(410) 962-5566

Leinenkugel's Beer Garden*
(443) 909-7578

Luckie's Tavern*
(410) 223-1105

MEX *
(410) 528-0128

Bars/Clubs/Entertainment
Angels Rock Bar - Nightclub/
Lounge/Music
(410) 258-4289

Baltimore Comedy Factory
(410) 547-7798

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

Mosaic - Dance Club
(443) 468-5308

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

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

Best of Baltimore

Restaurant: *Bottega*

BBQ: *Las Delicias*

Beer: *Anthem*

Breakfast: *Jimmy's*

Burger: *Of Love & Regret*

Cheap: *Ebenezer Ethiopian*

Chinese: *Hunan Taste*

Crab Cake: *Koco's Pub*

Falafel: *Yomna's*

Farm to Table: *Maggie's*

Food Truck: *DaRua*

Indian: *Café Spice*

Italian: *Luigi's*

Lebanese: *Byblos*

Mexican: *La Sirenita*

Middle Eastern: *Cazbar*

Pizza: *Verde*

Sandwich: *Johnny Rad's*

Taco: *Riptide by the Bay*

Taco: *Holy Frijoles*

Thai: *My Thai*

Vegetarian: *Liquid Earth*

Vietnamese: *Pho Dat Thanh*

Pizza Delivery

Home Slyce - (443) 501-4000

Ultimate - (410) 457-7234

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 attractions in and around the city. Take advantage of **Baltimore's Show Your Badge Program**. You are eligible for exclusive discounts! Just show your conference badge at the participating establishments to receive a special promotion or discount. Information, including a full list of participants, is available on the NCEMSF Conference website.

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, EMT-P, FAWM

Ben is a man without borders who still gets excited over hearing and seeing woo-woos and bling-bling. With an undergraduate degree in Emergency Medicine from the University of Pittsburgh, he then went on to graduate from medical school at Touro University College of Osteopathic Medicine in San Francisco. With over 16 years of international emergency medicine/EMS experience, Ben remains active in research, education, speaking engagements, and consulting. His strong interest in international emergency medicine has lead him to a career as an EM physician as he currently is an EM resident at Mount Sinai Medical Center in Miami Beach. Ben is also the president and founder of U.R.G.E.N.T. (www.URGENT-Aid.org), a nonprofit organization charged with developing emergency care and access to care in developing countries. Clinically beyond residency, Ben remains active with FL-5 DMAT disaster team and enjoys remaining "MD-5" for Burke County Emergency Services in North Carolina.

Peter Adams, CCRC, NREMT

Pete is a Clinical Research Coordinator with the Multidisciplinary Acute Care Research Organization (MACRO) at the University of Pittsburgh. He manages two prehospital and one in-hospital trauma resuscitation research studies along with a staff of 30 undergraduate research assistants. Pete started in EMS in 2008 and volunteers with Foxwall EMS in Pittsburgh, where he is a Crew Chief. He earned his BS in Neuroscience from the University of Pittsburgh in 2011, and obtained his Certified Clinical Research Coordinator credential in 2013.

Jonathan Arthur

Jon Arthur is a management consultant and Senior Associate with PwC's national Health Industries Advisory Practice where he works with clients across all areas of the healthcare system. He began his EMS career in college with Penn State EMS and held roles as the Company Supervisor, Operations Officer, and the Course Coordinator for the Department of EMS Education. Jon holds a BS in Health Policy and Administration and is a certified EMT and firefighter. He continues to work in emergency services serving as both a volunteer firefighter and EMS event supervisor for Penn State University.

Lisa Basgall, LP, NREMT-P, MA

Lisa is the EMS Director at Rice University. She is a staff member, in charge of the EMS Service, and on the Faculty, overseeing all of the EMS Courses at Rice. She has a Bachelor of Arts degree from Marquette University, a Master of Arts degree from Villanova University, and has been a paramedic for sixteen years. Lisa is a Texas certified Advanced EMS Education Coordinator, and a certified teacher.

Ray Bennett, RN, CFRN, CTRN, NREMT-P

Ray Bennett started in EMS as an EMT in 1979. His career progressed to a medic in 1983, and a RN in 1985. He has a background in critical care/emergency nursing, and he has worked in the critical care ground transport and rotor wing flight environment. He has recently moved into caring for acute stroke patients at a Comprehensive Stroke Center in NJ.

Jonathan Blatman, NRP

Jonathan is a graduate of West Chester University with a BS in Health Sciences. He works a paramedic in suburban Philadelphia, working as a street and critical care transport

provider. In EMS since 1999, he served as an educator, preceptor, and as an ALS and BLS provider.

Sean Britton, NRP, CEM

Sean J. Britton is a Nationally Registered Paramedic and the Public Health Emergency Preparedness Coordinator for Broome County, New York. He is currently on the Board of Directors for the National Association of Emergency Medical Technicians and the Vice President of the Susquehanna Regional EMS Council. He was previously the Program Coordinator for Emergency and Trauma Services at UHS Hospitals in Johnson City, New York. He earned his Bachelor of Science in Community and Human Services, with a concentration in Emergency Management, from SUNY Empire State College. His career in emergency services began at Harpur's Ferry Student Volunteer Ambulance Service.

Frank Caria, MPA, CHC, EMT-CC

Frank has served in healthcare since 2003 including working for hospital systems and NFP agencies. He earned his Master's in Public Administration from Fairleigh Dickinson University after his Bachelor's Degree from Muhlenberg College. He currently works as a Senior Compliance Officer for the NYC Health & Hospitals Corporation where he supports the work of the Office of Corporate Compliance. Frank is the founding member of Muhlenberg College EMS and an active participant in past NCEMSF events. He obtained his Certification in Healthcare Compliance and is an active member of the American College of Healthcare Executives. He continues to practice as a NYS Advanced Emergency Medical Technician-Critical Care.

Michael Carunchio, MS, NREMT-P, FP-C, CCP

Mike Carunchio is a full-time critical care paramedic with Christiana Care in Delaware. He also works part-time as a 911 paramedic for Southern Chester County EMS in Pennsylvania. He is an Adjunct Instructor for Wilmington University's graduate Homeland Security program and Delaware Tech's paramedic program. He got his start in EMS as a campus EMT with the University of Delaware Emergency Care Unit (UDECU).

John Casey, EMT-P

John was the Director of Field Operations for UMass Lowell EMS from 2007-2010. He is currently the Emergency Preparedness and EMS Manager for the University of Massachusetts Lowell overseeing emergency preparedness and Emergency Services for the university's 4.2 million sq. feet of real estate. John is a Paramedic in both high volume urban and rural settings. John is Massachusetts certified Emergency Manager and Master Continuity Practitioner. John also has extensive experience as a clinical educator and has won many awards, including the 2010 NCEMSF Collegiate EMS Provider of the Year.

Domenic Corey, NRP

Domenic (DJ) Corey is a paramedic field training officer providing dedicated ALS 911 to the City of Everett, MA for Cataldo Ambulance Service. An NCEMSF Alum, he was a founding member and previous President of NUEMS. He holds a BS in Health Science, and is currently finishing his Master of Public Health at Northeastern. DJ is also a research fellow working on the Vicarious Trauma Toolkit project, creating a nationally pilot-tested toolkit of best-practices first responder agencies can implement to reduce vicarious trauma among staff. He is passionate about EMS education, and helping the next generation of providers excel in EMS.

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John-Paul Couce, NRP

JP is a current graduate student at Harvard University investigating international health economics. He is a cardiology researcher at Brigham & Women's and Boston Children's Hospitals, an ACLS/BLS/PALS instructor between Beth Israel Deaconess and Boston Medical Centers, and a paramedic serving Greater Boston.

Frank Demes

Frank Demes is the Interim Chief of the GW University Police Department. He received his BA from the State University of New York and a MFA from the George Washington University. He is also a graduate of the Military Police Academy. He is an IPMBA Instructor-Trainer for both Police and EMS programs and has trained thousands from federal, state, local, institutional and international organizations.

Amy Eisenhauer

Amy Eisenhauer has been an EMT in NJ for over 18 years working in both volunteer and professional roles within the EMS community. She is also an educator and training officer for a local EMS agency. Amy is currently pursuing her Bachelor's degree in political science. She hosts a blog on EMS that engages providers and aims to improve the EMS community.

Mark E. Escott, MD, MPH, FACEP

Dr. Mark Escott started the Rice University Collegiate EMS Program, going on to serve as its Director for the first three years. He completed an MPH, then moved to Australia with his family to attend medical school at Flinders University. Dr. Escott completed his residency in Emergency Medicine at PennState University. He is currently board certified in Emergency Medicine and subspecialty board certified in EMS. He serves as the Medical Director of Rice University EMS, and the Montgomery County Hospital District in the Greater Houston Area.

Arman Fardanesh

Arman Fardanesh has been a volunteer firefighter and emergency medical technician for over 10 years. He serves as the Deputy Chief of EMS for the Aetna Hose, Hook & Ladder Company of Newark, DE. Prior to holding this position, Deputy Chief Fardanesh served as EMS Captain, EMS Lieutenant, and Special Operations Coordinator in volunteer capacities with the fire company. Deputy Chief Fardanesh is a member of the International Association of Emergency Medical Service Chiefs (IAEMSC) and currently holds the position of Vice President with the New Castle County Ambulance Association. He is the Operational Adviser to the University of Delaware Emergency Care Unit (UDECU) and a member of the National Volunteer Fire Council's EMS/Rescue section. Deputy Chief Fardanesh is training center faculty with the American Heart Association's CPR/AED training center at the University of Delaware.

Ross Feinman, RN, CEN, EMT-CC

Ross Feinman is a full time Flight Nurse specializing in trauma and critical care. His EMS career began at Binghamton University where he volunteered with both Vestal Ambulance and Harpur's Ferry Student Volunteer Ambulance Service. After college, he began working as a trauma nurse at a level I trauma center in Nassau County, NY. During this time he remained a professional ALS provider with a local fire department. In order to combine his love for EMS with his career in Nursing, he moved to Western NY to become a Flight

Nurse. Ross currently lectures as an emergency medical consultant while perusing his masters in nursing education.

Geoffrey Finnegan

Geoff is a graduate of The Pennsylvania State University with a BS in Security and Risk Analysis. Geoff was a member of University Ambulance Service at Penn State serving as Training Officer and EMS Instructor. Currently, Geoff is a Program Specialist in emergency medicine at The Ohio State University. He is the project coordinator for Project RED STAMP; a R18 study from AHRQ in paramedic airway management and proficiency. He works as a simulation technologist in the Clinical Skills Labs at Ohio State. He also serves a co-advisor to the students for a campus EMS initiative at Ohio State.

Mark Forgues, MEd, NRP

Mark Forgues, MEd, EMT-P, has more than 30 years of EMS experience in municipal, hospital-based, volunteer, private, fixed-wing, collegiate and fire-based EMS agencies. He is director of Medical Resources Group, LLC, an education and consulting firm; Technical Director of the Massachusetts Institute of Technology Emergency Medical Services. He is an Adjunct Professor with the Massachusetts College of Pharmacy and Health Sciences University. He continues his street work as a per diem paramedic with Wayland (MA) Fire Department.

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

At William & Mary, Eric serves as their sexual assault prevention specialist and teaches the first course in Masculinity Studies at the historic college. This year, he brings his expertise and signature wit back to Baltimore, where he was introduced to NCEMSF members in 2004. For twenty-one years, Eric has trained EMS providers, police, firefighters, doctors, medical students, Greek Letter Organizations, and college athletic teams from around to the corner to around the globe - from Oxford, Mississippi, to Oxford University. As a consultant sexologist and world-renowned author, Eric also presents on sexuality and healthful relationships to countless universities with NCEMSF membership. You also can find out more about him or invite him to speak to your university and crew through www.ericmgarrison.com.

Michael Glaubach

Capt. Michael Glaubach has been with the GW Police Department since 2000 and currently serves as the Captain of Patrol and EMS Operations. He is a certified instructor for IPMBA, ASHI, APCO, the DC Dept. of Health, and in multiple use of force systems. Capt. Glaubach has been involved with campus EMS (EMERG) as an instructor or provider since 2003.

Alethea Granberg, MSM, NREMT-P

Alethea started her career in EMS during high school, becoming an EMT in Pennsylvania. When she came to Boston University as an undergraduate she started working as an EMT with BUEMS in athletic facilities around campus. In 1997, she joined the teaching staff and has taught CPR, First Aid, First Responder, Initial EMT and continuing education classes at both the BLS and ALS levels. Alethea has been a volunteer EMT on a squad in PA, has worked as an EMT and Paramedic for a 911 service in suburban Boston and is an EMT examiner in Massachusetts.

Christian Grant, Jr, NRP

Christian Grant is an alumnus of Northeastern University Emergency Medical Services (NUEMS), graduating from Northeastern in 2014 with a Bachelor's Degree in Chemistry. In

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addition to serving on the e-board of NUEMS as the Director of Operations during his undergraduate career, he also works as a Paramedic at Worcester Emergency Medical Services (WEMS), which provides primary emergency response to the City of Worcester. Christian loves to teach and has a profound interest in airway management and 12-lead ECG interpretation. Christian hopes to one day be an Emergency Room Physician and is currently in the process of applying to medical school.

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 Chairman of Emergency Medicine at North Shore Forest Hills Hospital in New York City. He also serves as the Medical Director for the Center for Emergency Medical Services- North Shore LIJ Health System, the largest hospital based EMS provider in the Northeast. 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

Dr. Guyther is board-certified in emergency medicine and pediatrics and works for University of Maryland School of Medicine. She is also a fire surgeon for Baltimore County Fire Department. She started her EMS career at Vassar College and has never looked back.

Elliott R. Haut, MD, PhD, FACS

Elliott Haut is Associate Professor of Surgery, Anesthesiology/Critical Care Medicine, and Emergency Medicine at The Johns Hopkins University School of Medicine. He also has a joint appointment in the Department of Health Policy and Management at The Johns Hopkins University Bloomberg School of Public Health and is a core faculty member in the Armstrong Institute for Patient Safety and Quality. Dr. Haut is the Director of the Trauma/Acute Care Surgery Fellowship at The Johns Hopkins Hospital where his clinical practice covers all aspects of trauma, acute care surgery, and surgical critical care. Dr. Haut completed his PhD from the Graduate Training Program in Clinical Investigation at the Johns Hopkins Bloomberg School of Public Health. His research has been funded by the Agency for Healthcare Research and Quality (AHRQ) and the Patient-Centered Outcomes Research Institute (PCORI). He has authored over 150 peer-reviewed articles, as well as dozens of invited editorials, books and chapters.

Gary Hecker, RN, CCRN, CIC

Gary has over 28 years of experience in EMS, including paid and volunteer positions in the New York City 911 system. Gary got his start in EMS with the SUNY Stony Brook Volunteer Ambulance Corps (SBVAC), and later with the Brooklyn College Emergency Medical Squad (BCEMS). He has been involved in EMS education for over 25 years, and is a New York State Certified Instructor Coordinator. Gary has been an Emergency and Critical Care Nurse for over 20 years. Presently he is an Assistant Director of Nursing Education at a hospital in Manhattan, NY.

Jody Heckman, PHRN

Jody Heckman earned her BSN from York College, PA and PHRN from HACC, PA. She is a combat medic veteran and a tactical medic for Pennsylvania State Police and Berks County. She is also an International Trauma Life Support Instructor. She has been in EMS for 25 years and teaches Active Shooter response and basic tactical medicine for Tac-Med LLC in southeast PA.

A.J. Heightman, MPA, EMT-P

A.J. Heightman is the Editor-in-Chief of JEMS and business development coordinator for PennWell Public Safety Publications. A.J. is also affiliated with other PennWell products including: Fire-Rescue Magazine, Fire Engineering Magazine, Law Officer Magazine, APCO's Public Safety Communications Magazine, the EMS Insider Management newsletter and all PennWell Public Safety Websites and conferences including the EMS TODAY Conference. Prior to joining the staff of JEMS in 1995, A.J. served as Director of Operations for Cetronia Ambulance in Allentown, PA. For seventeen years, A.J. was the Executive Director of the Eastern Pennsylvania Emergency Medical Services region and the developer of the regional MEDCOM Advanced Medical Communications System. He also served as a paramedic and command officer for Bethlehem Township Volunteer Fire Department for twenty years and as a part-time paramedic in the Cities of Allentown and Bethlehem. A.J. is a graduate of Temple University and received his Master's Degree in Public Administration from Lehigh University.

Mariah Henderson

Mariah Swiech Henderson is a first-year physician assistant student at Northeastern University. She received her BA in psychology and vocal performance in 2012 from Brandeis University, where she served three years on the Brandeis Emergency Medical Corps, with one year as training officer. After two years in both fire-based and private EMS, Ms. Henderson continues to work as an EMT skills instructor and as an emergency room technician in the Boston area.

James Howson, CEM, NRP

James Howson is the Unit Chief for Operational Medicine at the Department of State's Bureau of Diplomatic Security. He serves as an Emergency Management and EMS Subject Matter Expert, supporting the development and presentation of emergency management and response programs to Foreign Service personnel and foreign nationals supporting US diplomatic operations. He started as a student volunteer EMT with the Rutgers University Emergency Services and has served as a field medical provider at both the EMT and Paramedic level. He is a Certified Emergency Manager, Certified in Homeland Security - Level V, and a FEMA Professional Continuity Practitioner.

Derrick Jacobus

Patrolman Derrick Jacobus is a veteran police officer currently assigned to the Training and Accreditation Unit, Monroe Township Police Department (NJ). He currently works as the accreditation manager for the New Jersey State Association of the Chiefs of Police (NJSACOP) and training unit assistant.

James Kish, RN, CEN, CFRN

James Kish is a 2009 graduate of DeSales University and a founding member of DeSales EMS in Center Valley, PA. Currently, James is a flight and critical care transport nurse with Lehigh Valley Health Network-MedEvac with a background

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in emergency department nursing. Additionally he supports the event medicine and emergency preparedness divisions of LVHN. He also is a Prehospital Registered Nurse (PHRN) with the City of Allentown Paramedics.

Katherine Koch, PhD, NRP

Katherine Koch is an Assistant Professor of Special Education at St. Mary's College of Maryland and a Paramedic with St. Mary's County Advanced Life Support in St. Mary's County, Maryland. Dr. Koch has been an EMS provider since 2010 and prior to joining the faculty at St. Mary's College of Maryland was a public school special education teacher working with students with varying disabilities. She is currently the faculty adviser to the campus chapter of Best Buddies and provides support to students on campus with learning differences.

James Kutz

James Kutz is an 19 year veteran of the fire service with 13-years as a career firefighter and lieutenant with the city of Allentown, Pennsylvania. He is assigned to Rescue/Engine 9 at the Central Fire Station. James is also a hazardous device technician on the Allentown Bomb Squad. He is certified as an EMT-Basic and is an EMT instructor as well as a suppression instructor for the Commonwealth of Pennsylvania.

Tim Lanese, RPh, MBA, FASHP, EMT-P, EMSI

Tim Lanese has been a pharmacist and paramedic for over 35 years. His pharmacist career was mostly as Director in several NE Ohio Hospital Systems, where he also frequently served as Disaster Coordinator. He is currently a Consultant with Allscripts, a provider of Electronic Health Records. He has been an EMS instructor for the last 30 years.

Benjamin Lawner, DO, MS, EMT-P, FACEP

Dr. Benjamin Lawner is an Assistant Professor in the Department of Emergency Medicine at the University of Maryland School of Medicine. He has been involved in emergency medical services since his initial certification as an EMT in 1994. He has worked with Alachua County (Florida) Fire Rescue as a firefighter paramedic. At the University of Maryland Medical System, he completed a residency in emergency medicine and a fellowship in emergency medical services. Dr. Lawner is the Deputy Medical Director for the Baltimore City Fire Department and provides medical oversight to several paramedic programs. He remains active in medical student, physician and prehospital education.

David Lebowitz, MS, NREMT-P, CPP

David Lebowitz began his career in the emergency services community in 1991, and has spent time working in both clinical and management arenas. He is currently employed by a federal law enforcement agency and deploys worldwide approximately 50% of each year in support of mission assignments. David holds an undergraduate degree in Emergency Health Services from the University of Maryland - Baltimore County, graduate degree in Emergency Management from Jacksonville State University, and the Certified Protection Professional designation through ASIS International. He has traveled overseas on multiple occasions to educate senior foreign officials, specific to CBRNE hazards and other associated threats.

Matthew Levy, DO, MSc, FACEP

Matthew Levy is an Assistant Professor in the Department of Emergency Medicine at the Johns Hopkins University School of

Medicine and the Associate Medical Director of Johns Hopkins Lifeline Critical Care Transport Team. Dr. Levy's career in EMS and Disaster Response spans two decades. Recently, Dr. Levy's efforts have focused on enhancing our EMS System's readiness for managing and transporting a suspected Ebola patient. He is a Senior Medical Officer with the Johns Hopkins Center for Law Enforcement Medicine where he provides medical direction and field support for federal law enforcement agency tactical medical programs. Dr. Levy is also a Clinical Associate Professor and Medical Director of the Department of Emergency Health Services at the University of Maryland, Baltimore County. Dr. Levy is the Medical Director for Howard County Maryland Fire and Rescue, one of Maryland's most progressive public safety EMS systems. Dr. Levy is a member of the core faculty of the Maryland Resuscitation Academy which is committed to improving cardiac arrest survival. He is the Tactical Medical Director for Howard County Police SWAT.

Raymond Levy, MPH

Raymond Levy is Associate Director of the Fitness and Recreation Center at Boston University overseeing EMS. Ray has been involved in EMS since 1991 in both NJ and MA. He served as the Director of Clinical Services for EasCare Ambulance from 2009 until 2012. Since attending BU in 1993, Ray has been a part of BUEMS. In 1998, Ray became BU's first Director of EMS. In 1999, he became an EMT I/C and developed an accredited EMT training institution that would become the largest in Massachusetts. Ray earned a BS in Human Physiology in 1998 and his MPH in 2001.

Joseph Lizza, MAEd

Joseph Lizza is a student affairs and higher education administrator and educator who is passionate about his field and working with students. He is currently the Assistant Director for Campus Center Operations and Programs at Stockton University. He has worked in student affairs, specializing in the areas of student activities, facility operations, residential life, orientation, leadership development, and emergency preparedness. He has a Bachelor's degree in elementary and secondary education with a minor in public policy from Monmouth University, a Master's degree in Higher Education Administration from Rowan University and is currently in the dissertation phase of a Doctorate in Educational Leadership degree from Rowan University. Additionally Joe serves as the Assistant Program Director for Stockton University EMS as well as a Lieutenant for the Hammonton Fire Department (NJ).

Frederick Lough, COL, US Army, MD, FACS

Colonel Lough is a graduate of the United States Military Academy and George Washington University School of Medicine with residency training in general surgery followed by fellowships in thoracic and cardiovascular surgery. He has held multiple surgical department head and educational positions at locations including Walter Reed, Reading Hospital, and most recently George Washington University. Colonel Lough has participated in over 15,000 open heart procedures and served two tours of duty in Afghanistan as a hospital commander and senior trauma surgeon. He is currently the Deputy Chairman of the Department of Surgery at USUHS.

Jeffrey Luk, MD, MS, FACEP

Jeffrey Luk is the medical director for EMS, Critical Care Transport, and UH MedEvac at University Hospitals Case Medical Center, primary teaching affiliate for Case Western

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Reserve University School of Medicine, in Cleveland, OH. He is Assistant Professor in the Department of Emergency Medicine and is board-certified in emergency medicine and EMS. He serves as co-chair of the UHMC Emergency Management Subcommittee. He is a member of the Cleveland EMS Physician Advisory Board and co-chairs its Total Quality Improvement Committee. He is medical director for First Energy Stadium and an Associate Medical Physician for the Cleveland Browns.

Daniel Maas

Dan Maas is the Emergency Manager for Cornell University Environmental Health and Safety and serves as supervisor of the Cornell University Emergency Medical Service, a student run, all volunteer BLS first response agency serving the Cornell campus in Ithaca, NY. Dan has been involved in emergency services and response for over 30 years with extensive experience in EMS, fire, technical rescue, hazardous materials, and emergency management. Dan has been a volunteer firefighter-EMT with the Ithaca Fire Department for the last 26 years and is a member of the Central New York Medical Reserve Corps.

Christian Martin-Gill, MD, MPH, NREMT-P

Dr. Martin-Gill is an Assistant Professor of Emergency Medicine at the University of Pittsburgh and Associate Medical Director of STAT MedEvac and UPMC Prehospital Care. He has 17 years of experience in EMS as a Paramedic, EMS medical director, EMS researcher, and board-certified EMS physician. He is currently the Project Lead for an NAEMSP/NHTSA project engaging a wide range of EMS stakeholders to develop a national strategy for prehospital evidence-based guidelines.

Scott Matin, MBA, NREMT-P

Scott Matin is the Vice President of Clinical, Education & Business Services for MONOC Mobile Health Services in Wall Township, New Jersey. In addition to his present position at MONOC, Scott is adjunct faculty for the School of Administrative Science at Fairleigh Dickinson University, site review team leader for the Commission on Accreditation of Ambulance Services (CAAS), and is on the Board of Directors for the National Association of EMTs (NAEMT). Scott has been involved in Emergency Medical Services for over 30 years and is an established manager, educator and nationally registered Paramedic. Scott is also the author of numerous articles and research studies, a member of several editorial review boards and a frequent presenter at professional conferences throughout the country.

Patrick McCarthy

Patrick McCarthy is a 2014 graduate of Rice University and currently a first year medical student at the Uniformed Services University of the Health Sciences (USUHS) in Bethesda, MD. While a member of Rice EMS Patrick held the role of Senior Lieutenant and later Captain. Patrick practiced at the AEMT level at Rice EMS in addition to Cypress Creek EMS in suburban Houston. He holds a current Tactical Combat Casualty Care certification and is a Teaching Assistant for ultrasound and combat medical skills classes at USUHS.

Sean McMullen, CEP, AAS

Sean McMullen is an Arizona Certified Paramedic and a US Army flight medic. He has worked as a paramedic on a Phoenix-area ambulance, as an EMT at a regional pediatric Level I trauma center, and as a behavioral health specialist with the Phoenix Fire Department. In 2008, he founded Student Emergency

Medical Services at Arizona State University, and served as its Chief for several years. Sean enlisted as a combat medic in the Arizona Army National Guard in 2009, and will deploy to Kosovo in support of NATO MEDEVAC missions in 2015.

John Mercun

John Mercun has been involved in EMS for more than 14 years, joining his local squad the day after his 18th birthday. Since then, John has been both a volunteer and paid EMT in urban and suburban EMS. A graduate of Fordham University, John is an ex-Captain and life member of Fordham EMS. Today, he is a field trainer for the Hoboken Volunteer Ambulance Corps, focusing on growing the hands-on and interpersonal skills of new EMT's. When not volunteering, John works in Consumer Engagement and Marketing for Penguin Random House.

Mark E. Milliron, MS, MPA, MHS

Mark Milliron is a lecturer of Homeland Security for the School of Public Affairs, Penn State Harrisburg and an instructor of Fire Science and Emergency Management with Kaplan University. He is also a consultant currently working as a Senior Emergency Response Planner with FEMA Region 3 in Philadelphia. He has over 30 years of experience in EMS including 17 years with Penn State EMS, has volunteered on a wilderness search and rescue team, and with a regional Incident Management Team. A life member of NCEMSF, Mr. Milliron served on the NCEMSF Board of directors from the Board's inception in 1995 to 2011 as Chairman, Treasurer, and Director-At-Large.

Vincent Mosesso, MD

Dr Mosesso is Professor of Emergency Medicine at the University of Pittsburgh School of Medicine and Medical Director for UPMC Prehospital Care Services. He serves as the Medical Director for the NAEMT's Advanced Medical Life Support course, a member of the American Board of Emergency Medicine EMS Examination Committee and as an NFL emergency/airway physician. He formerly worked as a paramedic and his career focus has been on EMS and out of hospital cardiac arrest.

Joshua Moskovitz, MD, MPH, MBA, FACEP

Joshua Moskovitz is an Ex-Chief of the Stony Brook Volunteer Ambulance Corps and helped his group achieve New York State Agency of the Year. He is the former chair of the 2002 NCEMSF conference in Stony Brook and former EMT for the NYC EMS system. He completed his residency training in Emergency Medicine at the University of Maryland Medical Center/Shock Trauma Center, has a Masters in Public Health in emergency response and disaster preparedness from the Johns Hopkins Bloomberg School of Public Health, and an MBA in Health Care Administration from Zarb School of Business at Hofstra University. He is a practicing Emergency Physician and Assistant Professor of Emergency Medicine at the Hofstra North Shore-LIJ School of Medicine and Adjunct Assistant Professor of Public Health at Hofstra's School for Public Health.

Kevin Munjal, MD, MPH

Kevin Munjal, a board certified Emergency Medicine physician and fellowship trained EMS specialist at Mount Sinai Hospital, is the Founder of the NY Mobile Integrated Healthcare Association (NYMIHA), an organization seeking to empower EMS providers to play a larger role within our healthcare system. He is an accomplished academic researcher funded through the National Institutes of Health and the Center for Medicare and

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Medicaid Innovation for his work in community paramedicine. His JAMA paper advocating for realignment of EMS Payment Policy has received significant notoriety and he was recently selected to lead the development of a National Framework for Promoting Innovations in EMS.

Brandon Murphy, NREMT

One of the original three founders of the collegiate EMS program at The University of Arizona. Working through the red tape, overcoming obstacles and securing funding have been some of his strongpoints throughout his collegiate EMS career. The organization now has 40+ members, dispatch through the City of Tucson, full base hospital support, and responds to calls 24 hours, seven days a week. Brandon is a part-time paid EMT in Clinton, NJ, a volunteer firefighter in Lebanon, NJ, and currently works full-time for network television in NYC.

Krista Murray

Krista Murray graduated from the University of Delaware's Medical Technology program and received her MS degree in Public Health from West Chester University of Pennsylvania. While at the University of Delaware she was a member and officer for the University of Delaware Emergency Care Unit. She currently serves as the Assistant Director and Biosafety Officer in Environmental Health & Safety at the University of Delaware. She also serves as the AHA Training Center Coordinator and Training Center Faculty for the CPR BLS program at the University of Delaware. Krista is a Certified Biological Safety Professional and Registered Biosafety Professional.

J.V. Nable, MD, NRP

J.V. Nable is the medical director for Georgetown Emergency Response Medical Service. He is also an emergency medicine faculty physician at MedStar Georgetown University Hospital. He has been an EMT and paramedic for over a decade and attended medical school at the University of Virginia. He completed a residency in emergency medicine and a fellowship in emergency medical services at the University of Maryland.

David Neubert, MD

Dr. Dave serves as the Deputy Regional EMS Medical Director for Montgomery County, PA and is the squad medical director for Muhlenberg Ambulance, Skippack EMS, Longwood Fire Company, and Crozer-Keystone EMS North Division. He is dual board certified in Emergency Medicine and EMS. He has spent much of his career working in trauma centers in NY and PA. He has 18 years of experience in EMS, currently as an EMT-Health Professional and EMS Physician. Dr. Dave was honored in 2009 as the "Emergency Physician of the Year" by the Pennsylvania Emergency Health Systems Council. He received tactical medicine training from the International School of Tactical Medicine in Palm Springs, CA, and provides medical consulting for federal law enforcement agencies. He also serves within the federal Disaster Medical System as a medical officer on DMAT NY-4 and staffed night-shift at a field hospital in Long Beach, NY as part of the response after Hurricane Sandy.

Collette O'Connor, EMT

Collette O'Connor holds National and Massachusetts EMT certifications. She completed an internship with a local ambulance service that provided Collette with patient care experience at Gillette Stadium and beyond, paving the way for her hire with BUEMS operations. At Boston University, Collette is currently pursuing a Bachelor's Degree in Human Physiology

from BU's College of Health and Rehabilitation Sciences: Sargent College and Kilachand Honors College. Collette is clinically interested in women's health issues, having initiated Love Your Body Week and a walk for breast cancer in high school, and aspires to become a physician.

Nicholas Parks

Nick graduated from the University of Illinois at Urbana-Champaign in 2013. During his undergraduate career, he volunteered for Illini Emergency Medical Services, eventually becoming the President during his senior year and then later becoming the EMT-B Lead Instructor for the 2014-2015 school year. Nick used his EMT-B license to work in the local Level 1 Trauma Center Emergency Department for three years before acquiring an academic research position at the University where he hopes to assist in studying victims of Traumatic Brain Injury. Nick enjoys teaching, exercising, and learning anything and everything about medicine.

Mark Pinchalk, MS, EMT-P

Mark Pinchalk is the Patient Care Coordinator for the City of Pittsburgh EMS. He has been involved in EMS for over 29 years and has an extensive background in special operations, research and education. He serves as a Tactical Medic for Pittsburgh EMS/SWAT and a Paramedic Master Diver for Pittsburgh River Rescue. In addition, he is the Medical Team Manager for Pennsylvania Urban Search and Rescue Strike Team 1. Mark is also an adjunct instructor in the University of Pittsburgh Emergency Medicine Program.

Dwight Polk, MSW, LCSW-C, NRP

Dwight is the Paramedic Program Director at UMBC in Baltimore, MD, and is a member of the Mobile Crisis Team at the Grassroots Crisis Center in Columbia, MD. His perspective as a paramedic and social worker makes him a familiar face at conferences around the country. In addition to being a fulltime educator, he is an active paramedic who believes that there's more to EMS than IVs and EKGs. Dwight has a Master's Degree in Occupational Social Work and is a mental health professional for two Critical Incident Stress Management (CISM) teams in the Baltimore area.

Ari Rabkin, PhD

Dr. Rabkin got his start in EMS during high school as a volunteer firefighter/EMT for the Rockville Volunteer Fire Department in Rockville, MD. While in college, he co-founded Case Western Reserve University EMS (CaseEMS) and served as Chief. He graduated in 2014 with his Ph.D. in Clinical Psychology from the University at Albany, SUNY, and is currently a postdoctoral fellow in Pediatric Neuropsychology at Akron Children's Hospital in Ohio. He is a life member of NCEMSF.

Andrew Randazzo, NRP, AAS

Andrew Randazzo is a Paramedic in Tennessee. He is the founder of Prime Medical Training, a continuing medical education center located in Knoxville. Andrew's passion is to instill in healthcare professionals a love for learning. In his spare time, he competes in triathlons and participates in other outdoor activities.

D. Chimene Richa, MD

Dr. Richa graduated summa cum laude with a bachelors of science in biology from Villanova University. She received her medical degree from the University of Pennsylvania School of Medicine. She continued her studies with a transitional year

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internship at Albert Einstein Medical Center in Philadelphia, followed by an Ophthalmology residency at the University of Maryland, Department of Ophthalmology. She then decided to pursue a fellowship in Oculoplastic surgery at Allegheny General Hospital in Pittsburgh. In 2012, Dr. Richa joined the faculty of the University of Maryland School of Medicine. She has several roles including Assistant Professor of Ophthalmology and Visual Sciences, Associate Residency Program Director and the Director of Medical Student Education in Ophthalmology.

Gates Richards, MEd, WEMT-I, FAWM

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 NOLS Wilderness Medicine Institute, and has been teaching wilderness medicine around the world since 1998.

Stu Rosenhaus, CIC

Stu's experience comes from a variety of areas within healthcare. He has been a leader and educator in the EMS sector, coordinated wellness programs for students and staff on a college campus, and supervised blood donor programs at two area hospitals. A lifelong EMS volunteer, getting his start with Brooklyn College EMS, he has over 25 years experience in EMS education and patient care. Stu currently works at Coney Island Hospital as an Assistant Director of Breakthrough and as an Adjunct Instructor at Brooklyn College. Stu Holds a Bachelor's degree in Community Health and Education from Empire State College (SUNY) and is a NYSDOH Certified Instructor Coordinator and an American Safety and Health Master Instructor Trainer.

Ronald Roth, MD

Ron started his career in EMS as an EMT with the University Ambulance Service at Penn State. He continues to pursue his interest in prehospital care serving as the Medical Director of the City of Pittsburgh, Department of Public Safety and the Allegheny County Emergency Operations Center. He also serves as the Medical Director for the Dick's Sporting Goods / Pittsburgh Marathon. As director of the newly accredited EMS Fellowship at UPMC, Dr. Roth helps guide physicians through their training to become EMS physicians. He has collaborated with prehospital care providers and emergency medicine researchers on numerous studies looking at the prehospital aspects of acute cardiac interventions, quality improvement, and medical care at marathons.

William Sanna

Will is a graduate of Bard College where he earned his Bachelor of Arts in Political Studies and Global Public Health. He spent four years working as an EMT with Bard College EMS and two years as the Director of the squad. He also volunteered in Port-au-Prince, Haiti, in the Bernard Mevs Hospital as an ER Tech for three summers following the 2010 Earthquake. Currently he works as a Simulation Technologist at the Center for Medical Simulation in Boston, MA.

Samantha Sawan

Samantha Sawan is the Assistant Manager of Boston University EMS. Sam grew up in the US and in Qatar. She attended Boston University and earned a BA in Psychology and a minor in Arabic. Throughout college she worked as an EMT on campus, as a lab instructor for BU's EMT class, and as an operational supervisor. Summers she worked as an EMT in the British Virgin Islands for a teen summer program, ActionQuest. After graduation Sam returned to BUEMS in her current role. Sam became certified as a Paramedic earlier this year and is working towards a Master's in Public Health.

Jamie Shah, NREMT

Jamie is a senior studying Anthropology at Case Western Reserve University. She has worked with CWRU EMS for three years and served as the Assistant Chief last year. Her current clinical research focuses on improving and understanding the transport policies of undergraduate EMS agencies. She plans to eventually enter medical school but will likely work in the field of cancer epidemiology upon graduation.

Kelsey Sheak

Kelsey has spent the last three years researching cardiac resuscitation at the Center for Resuscitation Science at the University of Pennsylvania. She has been an EMT for eight years; the past six have been with the Volunteer Medical Service Corps (VMSC) of Lower Merion and Narberth. She serves as the Secretary on the Board of Directors for VMSC. Kelsey will graduate in May with a Master's in Public Health from the University of Pennsylvania.

J. Dominic Singh, NREMT-P

Mr. Singh has been active in EMS for 18 years in a variety of roles. He was an original member of the Holy Cross Campus EMS group and currently works full-time as a firefighter/paramedic. Other past employment includes, private, non-profit, and municipal based agencies. In May 2013, he was hired as the first campus EMS Coordinator to the University of Massachusetts Amherst Campus and still works in that role as advisor to UMass Amherst EMS.

Christopher Stephens, MD

Dr. Stephens started his EMS career as an EMT at Loyola Marymount University in Los Angeles, CA. Upon graduating, he completed paramedic school in Houston, TX where he worked as a paramedic until entering medical school at The University of Texas. He is a Clinical Associate Professor of Anesthesiology at the Texas Trauma Institute - The University of Texas Health Science Center at Houston. Previously, he was an attending trauma anesthesiologist at the University of Maryland Shock Trauma Center in Baltimore, MD. He is also a certified Flight Paramedic and a Flight Surgeon for the U.S. Army. He has been involved with EMS education for the past 15 years.

Kaylin Stinski

Kaylin is both a Veterinary Technician and EMT. The experience in each field has allowed her to share skills and techniques from one to the other and has expanded and deepened her passion for patient care and advocacy. While an undergrad at Arizona State University she was a member of Student Emergency Medical Services and previously presented as part of the Vomacka Student Speaker Competition. Currently, she's pursuing a Master's degree in Public Health through The George Washington University.

Presenter Bios

Kevin Sullivan, NREMT

Kevin Sullivan has been involved in collegiate EMS since 2011. Now the EMS Coordinator for the GW Police Department, he joined GW EMERG in January 2011 and rose through the ranks until graduating with a BA in Criminal Justice in 2014. Sullivan is a trained IPMBA EMS Cyclist and holds instructor certifications in various EMS related topics.

Grace Thole, MA

Grace is a graduate student at the Boston University School of Public Health and is working towards a MPH. She is a Massachusetts certified EMT-B and has been working for BUEMS for the past four years. For the BUEMS Emergency Response Education program, she is currently a Graduate Assistant and helps to coordinate the EMT and CPR courses. Grace's clinical experience includes working on the operations staff for BUEMS and at the Boston University Student Health Services as an undergraduate, and currently works as an EMT for a private ambulance company. She plans to work in public health and eventually pursue a medical degree.

Benjamin R. Usatch, MD, NREMT-P

Ben Usatch is a graduate of Jefferson Medical College. He completed a residency in the Drexel/MCP Emergency Medicine Program. He currently serves as an attending physician and Deputy Department Director, working as a part of the Main Line Health System in the Lankenau Hospital Emergency Department. He has been working in Emergency Medicine Services for 30 years and currently serves as the Montgomery County, PA Regional Medical Director as well as the medical director for Narberth Ambulance, Transcare Ambulance, Boothwyn Fire Company, the Montgomery County Training Institute and the AllState Paramedic Training Institute. He is a regular speaker both regionally and nationally on current issues relevant to EMS. Areas of special interest include prehospital stroke management, pain management, palliative care in the street, tactical medicine and operating in austere environments. In this capacity, he is in his 32nd year with the Elk Mountain ski patrol where he serves as a mountain physician and medical advisor.

Rebecca Valentine

Becky Valentine is an energetic, engaging speaker specializing in transforming tough problems into uncomplicated solutions. Becky always brings a unique perspective to her lectures. She has over 20 years experience as an EMS provider and educator.

James Wilmerding, MS, MEd, EMT-P

Jim began his educational career as a classroom teacher continuing on as a teaching principal and Headmaster at numerous schools throughout the South and Northeast. In the early 1990's, Jim and his family moved to an island off the coast of Maine where he remains active in a variety of educational endeavors instructing EMS classes and licensing programs as a Maine State Paramedic Instructor Coordinator. First licensed in 1985, Jim continues to work as a Per Diem Paramedic and administrator with the EMS services in his community. In 2010, he was awarded the prestigious State of Maine Excellence in EMS Award. Additionally, Jim volunteers his time with numerous non-profit organizations, and travels domestically and internationally with medical teams providing healthcare and EMS training to rural communities. He recently completed his national certification as a Community Paramedic and is currently involved in The Maine Community Paramedicine Pilot Program.



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

Mythili Ananthasayan

Mythili is a senior studying Psychology at Bard College. PTSD is a subject very close to her heart, both personally and academically, as she is currently writing her Senior Project on PTSD in Emergency Responders.

Hendrik Bilek

Hendrik is a third year nursing major in Drexel's five year Nursing Co-op program with a minor in Emergency Management. He joined Drexel EMS as a freshman in the fall of 2012 and currently holds the position of Training Lt. Hendrik is a Connecticut native and is a volunteer firefighter/EMT at the Hebron Volunteer Fire Department. He currently works at the Children's Hospital of Philadelphia in the SSU and will be transferring to the emergency department. After graduation Hendrik plans to pursue a field in flight nursing then later serve as a pediatric critical care nurse practitioner.

Allison Brophy

Allison is a senior at Drexel University in their five year Co-op BSN program. Originally from Connecticut, Allison has been a volunteer at her local ambulance company. She joined Drexel EMS as a freshman and quickly became involved holding the position of both secretary and Captain prior to being elected Chief in 2012. In addition to serving as Chief of DUEMS, Allison works part-time in the emergency department at The Children's Hospital of Philadelphia and Cooper University Hospital and plays an active role in campus Greek Life. After graduation, Allison plans to continue her education for a critical care nurse practitioner license.

Brandon Chen

Brandon is a senior psychology major at Bard College. He has been on the Bard College EMS squad serving as an EMT-B for 3 years. He is currently the Assistant Director of Bard EMS and head of the squad's Reform Committee.

Anna Dornisch

Anna is a fourth-year Physiological Sciences student at UCLA. She has been working at her campus EMS program since January 2013 and is now its Quality Improvement Supervisor. On track to apply to medical school, she hopes to use her experience working in the field as well as the many "people skills" gained from being an EMT as a physician, possibly specializing in Obstetrics.

Gabriel Gan

Gabe is a junior at Emory University double majoring in human health and history. Gabe was introduced to EMS as a freshman in high school when he joined the Montgomery County First Aid Unit, Explorer Post 521. After receiving training as a first responder, he moved on to complete EMT training and volunteer with the Silver Spring Fire Department. During his first year at Emory, Gabe became an Advanced EMT and is now serving as the Assistant Chief of Operations of Emory EMS. He aspires for a career combining emergency medicine, health policy, and public health.

Ryan Johnson

Ryan is a senior at Virginia Tech majoring in Industrial and Systems Engineering with a minor in Statistics. Ryan joined VTRS his freshman year, and is an ALS Team Leader that has held a variety of leadership positions, including the squad's Member-at-Large position, First Lieutenant, and Membership Chair.

Mirandy Li

Mirandy is a junior at Emory University, studying biology and global health. As the Training Officer for Emory EMS, Mirandy oversees the education of all new and returning EMTs. In addition to her role in Emory EMS, she conducts research in renal physiology and volunteers as a preschool teacher in underprivileged areas of Atlanta. Last year, the video she directed for Emory EMS was chosen as the Collegiate EMS Video of the Year. Mirandy is applying to medical school with the goal of becoming a physician in her hometown of New Orleans.

Sandra Loza-Avalos

Sandra is a sophomore at the University of Pennsylvania, double-majoring in Biology and Health & Societies with a concentration in Environment & Health. From Texas, Sandra is currently in her second semester with UPenn's Medical Emergency Response Team (MERT) and will celebrate one year as an EMT-B in June. She was recently promoted to Lead EMT and appointed as MERT's Disaster Response Team Officer. Sandra is interested in merging the fields of trauma surgery and environmental health.

Brian Monahan

Brian is a senior biochemistry major with a bioethics minor at Georgetown University. He is from a small town in northern New Jersey. He has been an EMT since high school and joined Georgetown EMS in Fall 2012. He became captain in Spring 2014. Next year he will be attending Georgetown School of Medicine in pursuit of his MD.

Hannah Peifer

Hannah is a sophomore at the University of Pennsylvania hoping to double-major in Biology and African Studies. Since becoming an EMT-B in her hometown in Northeastern Pennsylvania, Hannah has loved everything the field of EMS has to offer. Hannah has been a member of Penn's Medical Emergency Response Team for the past three semesters. In 2014, she served as the Equipment Officer and has recently been appointed Training Officer. Hannah is also an active member in the organization GlobeMed and works as a research assistant for an anesthesiologist studying patient handoffs.

Montane Silverman

Montane is a Junior at Tufts studying Community Health and American Studies. He is from South Pasadena, California where his passion for EMS began with the LA County Fire Department. He spent this past summer working as an EMT on the Search and Rescue Team in Yosemite National Park. As part of Tufts EMS, Montane serves as the Technical Director and is a Preceptor, teaching and training other members. He participates in Peer Health Exchange teaching weekly health workshops to 9th graders in Boston schools.

Noa Yee

Noa is from Honolulu, Hawaii and a Junior at Tufts where he studies Biology. Noa is the current Director of Education for Tufts EMS and has served on the board for two years. At Tufts, he researches the proteins and pathways that repair DNA breaks and genomic instability. In Hawaii, he researches the effect of Percutaneous Coronary Intervention and Coronary Artery Bypass Grafting in patients with multivessel coronary disease and left ventricular dysfunction. He is a member of the Tufts all-male Step Team, BlackOut, and is an accomplished ukulele player and surfer.

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

NCEMSF Vice President, Webmaster, and Chief Technology Officer, has been involved in collegiate EMS since 1991. His EMS career started at Ursinus College where he was one of the founders of its EMS response group. Scott received his BS in chemistry in 1994 and 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 in 1995 to continue his graduate studies in chemistry. He was an active volunteer with Clemson University Fire/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. Scott is a senior software analyst for Thermo Fisher Scientific, implementing Laboratory Information Management Systems (LIMS) for pharmaceutical, environmental, and biotech laboratories. He actively volunteers as an EMT 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 trauma and surgical critical care fellow in the Division of Traumatology, Surgical Critical Care and Emergency Surgery in the Perelman School of Medicine at the University of Pennsylvania. He completed his general surgery residency at Thomas Jefferson University Hospital in Philadelphia, PA. 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, MS

Michael Wiederhold, NCEMSF Treasurer, is a healthcare administrator who has worked at one of the largest healthcare systems and the largest hospital in the United States. 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, MPH

Michael Hilton, Director-at-Large, is a Clinical Assistant Professor of Emergency Medicine in the Department of Emergency Medicine at the University of Pittsburgh School of Medicine. He completed his emergency medicine residency and EMS Fellowship at the University of Pittsburgh Medical Center, in 2012 and 2014, respectively. He received his Master of Public Health degree from the University of Pittsburgh Graduate School of Public Health in 2014, his Doctor of Medicine degree from the University of Pittsburgh School of Medicine in 2009, and his Bachelor of Arts degree from Columbia University in 2005. While at Columbia, he served as Captain of Columbia University EMS. Currently, he is an advisor to Pitt Student EMS, Medical Director of Carnegie Mellon University EMS and an Assistant Medical Director of the City of Pittsburgh Bureau of EMS. He is the 2012 recipient of the Society for Academic Emergency Medicine/Physio-Control EMS Research fellowship and a 2015 recipient of the National Association of EMS Physicians Fellowship Award. 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.

Yoni Litwok, MD

Yoni Litwok, NCEMSF Director-at-Large, 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 then graduated from Rutgers New Jersey Medical School. Yoni currently is an Internal Medicine resident at North Shore - Long Island Jewish. Prior to becoming a Director-at-Large, Yoni was the Northeast Regional Coordinator.

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

NCEMSF Leadership Bios

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.

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 Patrolter 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 Airport Fire/Rescue. He previously served as NCEMSF's Northern New England Regional Coordinator.

Joseph M. Grover, MD

Joseph Grover, NCEMSF Startup Coordinator, is currently an attending emergency medicine physician in Raleigh, North Carolina. He earned his Bachelor's degree and MD from Case Western Reserve University (CWRU). Prior to college, he joined the Kensington Volunteer Fire Department (KVFD) in 2001, where he is currently a life member. In 2007, Joseph received the "EMS Member of the Year" award from KVFD. While an undergraduate at CWRU, Joseph co-founded CaseEMS. He completed his emergency medicine residency at the University of Virginia in Charlottesville, VA. While a resident, he was awarded the Resident Teaching Award as chosen by his fellow EM residents, and the Admitting Resident of the Year by the internal medicine residents. Prior to his current position as startup coordinator, he served for 8 years as the Midwest Regional Coordinator with NCEMSF.

Daniel McConnell

Daniel McConnell, NCEMSF Assistant Startup Coordinator, is a medical student at Columbia University College of Physicians and Surgeons. He graduated from Columbia College in 2014. As an EMT with Columbia University EMS (CUEMS), Daniel served as Director, where he worked to change how the corps interacted and was viewed by school administration. He has a strong interest in administration, organization policy, and school integration. During his time at Columbia, he re-founded the volunteer CPR agency that provides CPR and first aid training at a reduced cost to organizations.

Joshua E. Glick, MD

Josh Glick, NCEMSF Alumni Coordinator, is an Emergency Medicine resident at the Hospital of the University of Pennsylvania. He received his MD from the Penn State College of Medicine in 2014, and 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.

Jeffrey J. Bilyk

Jeff Bilyk, NCEMSF EMS Week 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 centres. Jeff has also worked as a front-line police officer for some years before returning to EMS. He was educated and certified in Ontario as both a land and flight Paramedic and currently works as a full-time Flight Paramedic in northern Ontario, and part-time Paramedic in southwest Ontario. Additionally Jeff works casually as an industrial Paramedic in the Alberta oil sands providing critical care to remote pipeline projects/camps and oil refineries. 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 endeavours to continue to grow the number of Canadian campuses with CBEMS teams.

Eric Pohl, NREMT-P

Eric Pohl, NCEMSF Emergency Management Coordinator, is a Hazardous Materials Specialist for the Bureau of Police & Security of the New York City Department of Environmental Protection. Responsible for managing a breadth of emergencies including toxic chemical releases and CBRNE/ Weapons of Mass Destruction incidents, NYC DEP is one of the most technically skilled first responder groups in the nation, and is an integral component of the NYC Homeland Security community. In 2007, Eric earned a Bachelor of Science degree in Chemical Engineering from Columbia University, where he also served as a Crew Chief with the campus ambulance service. Eric obtained his NREMT-P from St. Vincent's Hospital - Manhattan in 2008 and is a paramedic in NY & NJ; he has provided 911 ALS & BLS services in both states. Eric's professional interests include radiological emergencies, spill control & enforcement, and environmental sustainability. He is the former NCEMSF NY Regional Coordinator.

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.

Jennifer D. Shoemake, RN

Jennifer Shoemake, 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

NCEMSF Leadership Bios

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 completed her Bachelor of Science in Nursing in 2014 and is currently working on her MSN and Pediatric Nurse Practitioner License at Thomas Jefferson University. After completing her program, Jennifer will be serving as a Lieutenant in the United States Air Force.

Douglas R. Buchan

Doug Buchan began his career in emergency medicine in 2006 serving as an EMT-B in the Chicago area. Attending the University of Iowa from 2006 to 2010, Doug recognized the lack of collegiate EMS team at the University and in 2009 founded the University of Iowa Emergency Medical Services (UIEMS). Doug graduated The University of Iowa in 2010 with a degree in Interdepartmental Studies: Health Sciences & Entrepreneurship and a psychology minor. During his involvement as the team commander of UIEMS Doug began his involvement in NCEMSF and later became an Assistant Webmaster and Technology Advisor to the Foundation after he assisted in the redevelopment of the NCEMSF website in 2010. Doug is the founder and owner of Buchan Consulting LLC, a technology consulting company in the Chicago area and expects to graduate nursing school in May 2015. Doug currently serves as a member of the Illinois Medical Emergency Response Team (IMERT), works as an EMT-B in a Chicagoland ER and will continue his career in emergency medicine while continuing on as an entrepreneur.

NCEMSF REGIONAL COORDINATORS

Ian Feldman

Ian Feldman, NCEMSF Central Regional Coordinator and Associate Webmaster, 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 Administrative Specialist with the City of Houston. His responsibilities include managing social media and technology for the Ready Houston program, a UASI-funded emergency preparedness initiative for five counties in Southeast Texas. He also works as an In-Charge Paramedic and dispatcher at Harris County Emergency Corps, he volunteers with the Northwest Volunteer Fire Department, and works as an event paramedic at various venues in the Houston area. He received a Master of Science in Threat and Response Management from the University of Chicago in 2011 and holds an Associate Emergency Manager certification from the International Association of Emergency Managers.

David Afienko

David Afienko, NCEMSF's Massachusetts Regional Coordinator, began his collegiate EMS career with Massachusetts Maritime Academy's EMS organization. In 2012, David co-founded MMA EMS and assumed the role of chief. In addition, David helped teach campus EMT courses, and helped the organization quickly gain community respect, trust, and even acquire three vehicles. David graduated from MMA in

2013 with a BS in Emergency Management. He chose to continue his education at the University of Massachusetts-Dartmouth, where he is pursuing a certificate in pre-medical studies with a goal of applying to medical school. With prior experience as a field supervisor for a private ambulance service, David currently works as an emergency room technician at Tufts Medical Center in Boston.

Zachary Matuzsan

Zach Matuzsan, NCEMSF Mid-Atlantic Regional Coordinator, began his EMS career in 2007 as a volunteer EMT with the East Windsor Rescue Squad District II in New Jersey. In 2008, as a freshman at Johns Hopkins University, he joined the Hopkins Emergency Response Organization. Zach served as the Equipment Lieutenant in 2010 and as the Operations Lieutenant in 2011. He graduated with a degree in Public Health Studies in 2012, and remains active in EMS as a volunteer in East Windsor. Zach is currently a medical student at Rowan-School of Osteopathic Medicine (formerly UMDNJ-SOM) in Stratford, New Jersey.

Lex Martin

Lex Martin has been involved with collegiate EMS since 2012 as a responder with Case Western Reserve University EMS in Cleveland, Ohio. Currently in her last year at CWRU, she serves as the department's Chief and is looking forward to completing her BSN degree in December 2015. She also works as an EMT for Ohio Ambulance in Euclid, Ohio and is a American Heart Association BLS CPR instructor. Before moving to Cleveland, Lex received her EMT-Basic and Wilderness EMT through Aerie Backcountry Medicine in Missoula, Montana. She hopes to eventually pursue a career in critical care transport and flight nursing.

Matthew D. Ricci, MPA

Matt Ricci, NCEMSF New York Regional Coordinator, was the Director of Operations for UMass Lowell EMS from 2007-2010. He has since moved to New York City where he works in the Emergency Response Department for JetBlue Airways. Matt's work with technology streamlined campus EMS operations and is now being used toward new solutions in Emergency Management and Business Continuity for the airline's response operations. Matt has an MPA in Emergency & Disaster Management, and maintains his EMT-B Certification.

Katie Egan, RN

Katie Egan, NCEMSF North Central Regional Coordinator, graduated from the University of Wisconsin-Madison with a BSN in 2011. She is currently a third year Medical Student at the University of Wisconsin. In addition, Katie 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 the UWPd First Responders and runs as an EMT-Advanced with McFarland, WI Fire and EMS.

NCESMF Leadership Bios

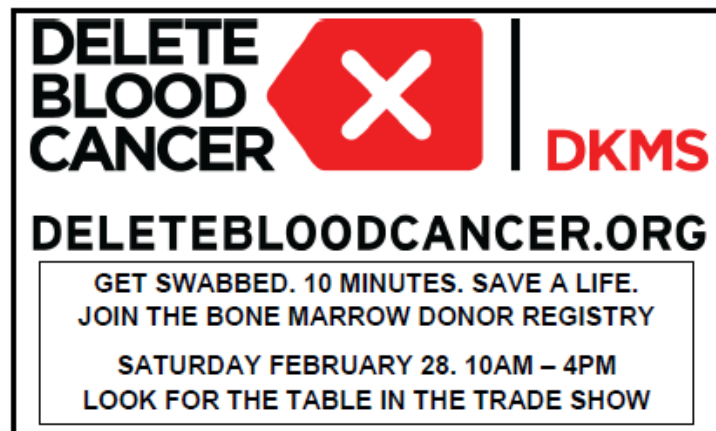
Kate Marquis, RN

Kate Marquis, NCESMF Northern New England Regional Coordinator, graduated from Saint Anselm College with a BSN in 2012. Kate first became involved in EMS in 2009, when she joined Saint Anselm College EMS as an EMT. Prior to graduating, she was elected captain of Saint Anselm EMS. Kate currently works in the emergency department of the University of Virginia Medical Center as an RN, and is a former neuroscience nurse. She is also an American Heart Association BLS and ACLS instructor.

Ryan M. Hay, RN

Ryan Hay, NCESMF Pennsylvania Regional Coordinator, graduated with a BA in Political Science from

DeSales University in 2011, and with a BS in Nursing in 2012. Ryan is a Certified Emergency Nurse and Pre-Hospital Registered Nurse (PHRN). Ryan currently is employed as an the Operations and Training Manager for Northampton County Emergency Management Services. Additionally, he is a reserve Emergency Department Nurse for St. Luke's University Health Network at the Anderson Hospital Campus, and a part-time Paramedic/PHRN with the City of Bethlehem EMS. While at DeSales, Ryan co-founded DeSales University EMS in 2007, serving as its Director until May 2010. Ryan is also a Hazardous Materials Specialist with Lehigh County Special Operations; a regional hazardous materials and Urban Search and Rescue (USAR) team for Lehigh and Northampton counties, in Eastern Pennsylvania.



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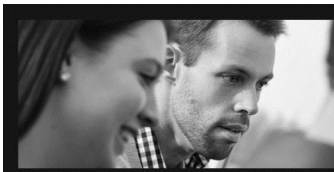
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Schedule Summary

Sunday, March 1, 2015

7:30 am - 8:30 am	Continental Breakfast	Ballroom Foyer
8:00 am - 9:00 am	Workshop Session 9 (Page 28) Forget Everything That You Know About CPR Acting FAST with Strokes Pediatric Patient Assessment Trauma: The Do's and Don'ts Battling Bureaucracy: University, City, and State Prehospital Simulation and EMS Life After Graduation: A Career in Public Health Emergency Management A Bad Day at the Lab: Responding to Campus Lab Emergencies EMS Interaction with Bomb Squads Physio-Control EMS Skills Classic Review	Constellation C Constellation D Constellation E Constellation F Baltimore Annapolis Chesapeake Frederick Columbia Calvert
9:10 am - 10:10 am	Workshop Session 10 (Page 29) CPR Under the Hood Prehospital and Hospital Acute Stroke Care in 2015 Controversies in Prehospital Trauma Care Essentials of EMS Documentation Why Do We Need To Do That? - Developing Policy Scene Safety: What Does that Really Mean? The Hulk Problem: Radioactivity Gone Awry in a Complicated World Active Shooter Response State Department Emergency Medical Training Programs Skills Lab: In Pursuit of Authentic Excellence - Leading Without Fear Roundtable: QA/CQI Roundtable: Administrator/Advisor/Medical Director	Constellation C Constellation D Constellation E Constellation F Baltimore Annapolis Frederick Columbia Chesapeake Calvert Lombard Charles
10:20 am - 11:20 pm	Workshop Session 11 (Page 31) Making Sense of EKGs Patient Technologies and the EMT Trauma and the Eye Determining the "Usual Suspects": Clues to Injury Patterns in Trauma Developing a Leadership Training Program Emergency Management: It's More Than Just ICS Bioterrorism: Are We Ready? See Something, Say Something The Secret Service and Local Emergency Services (Part I) Skills Lab: EMS Assessment of the Acute Stroke Patient Roundtable: Research Design & Execution in EMS Roundtable: Startup	Baltimore Constellation C Constellation D Constellation E Constellation F Annapolis Frederick Columbia Chesapeake Conway Calvert Lombard
11:30 am - 12:30 pm	Workshop Session 12 (Page 33) De-escalation Techniques: Let's Talk About It! Keeping EMT Students Engaged Through Dynamic Teaching Methods EMS Bike Patrol: Scene Safety and Special Events Active Threat EMS, What's the Difference? Where Do We Fit? Pediatric Issues in Asymmetric Warfare The Secret Service and Local Emergency Services (Part I) Hooah! US Army MEDEVAC and Civilian EMS I <3 EMS, Now What?!? Turn Your Passion into a Paycheck Roundtable: Training for the Training Officer	Constellation C Constellation D Baltimore Constellation E Frederick Annapolis Chesapeake Constellation F Calvert Lombard
12:40 pm - 1:40 pm	Plenary Session - Challenging Your Clinical Boundaries	Constellation A/B
1:40 pm - 2:00 pm	Conference Wrap-Up	Constellation A/B



Schedule Summary

Saturday, February 28, 2015 (Continued)

12:30 pm - 1:30 pm	Lunch	
1:30 pm - 2:30 pm	Workshop Session 6 (Page 16) Get Me That Tube! Is Endotracheal Intubation the Only Way? The Evidence Behind ACLS ETOH: Considerations & Solutions to the Problem We Face Queering the Field: an LGBTQ Primer The Abused Patient: Identification, Care, and Reporting Migraines: So Much More Than Just A Headache Mild TBI From Pre-hospitalization to Outpatient Follow-Up Cheating Death through Suspended Animation Training the Trainer to Train Non-Clinical Career Paths for the Collegiate EMS Provider Skills Lab: Improvisational Splinting Skills Lab: Train Like You Fight Roundtable: Recruitment and Retention	Constellation C Annapolis Baltimore Constellation F Constellation D Constellation E Frederick Chesapeake Columbia Calvert Harborview Conway Lombard
2:40 pm - 3:40 pm	Workshop 7 (Page 19) Airway Management: New Evidence & Advanced Techniques Resuscitation Review 2014: Articles You've Got to Know! Just a Headache? Novel Drugs of Abuse - Identification and Treatment Collegiate EMS Transport Policies for Intoxicated Undergraduates Sticks, Stones and Broken Bones: Pediatric Injuries Spinal Cord Injury CBRNE Terrorism Awareness and Response Patients with Autism: How to Respond and React Athletic Trainers are Jerks! Skills Lab: Moving, Lifting and Transporting in the Wilderness Skills Lab: Get Me That Tube! Skills Lab: Train Like You Fight Skills Lab: Let's Talk About Sex	Columbia Constellation D Constellation E Constellation F Baltimore Chesapeake Frederick Calvert Annapolis Constellation C Harborview President Conway Lombard
3:40 pm - 3:55 pm	Snack Break	Ballroom Foyer
3:55 pm - 4:55 pm	Workshop 8 (Page 21) Poor Prognostic Indicators: Critical Thinking in EMS Managing Crashing Patients in the Field Overdose Toxidromes How Low Do We Go to Stop the Flow? Prehospital Trauma Resuscitation 2014 Under Pressure: Crush Injuries and Compartment Syndrome EMS Research During Your Undergraduate Years From QA to QI MCI Medical Management - Myth vs. Reality Funny, You Don't Look Deaf Community Paramedicine in the Philippines Skills Lab: Improving Your Use of Supraglottic Airways Skills Lab: Hands-on Childbirth Concepts and Scenarios Skills Lab: Train Like You Fight Roundtable: Fundraising and Financing	Chesapeake Constellation D Constellation E Constellation F Constellation C Annapolis Frederick Columbia Baltimore Calvert President Harborview Conway Lombard
5:00 pm - 6:00 pm	Plenary Session - Major John P. Pryor, MD Memorial Lecture Improving Prehospital Trauma Care via Health Services Research	Constellation A/B
6:00 pm - 7:00 pm	NCEMS Leadership Presentation, Business Meeting and Awards Presentations	Constellation A/B
7:00 pm - 8:30 pm	Alumni Social and Networking Event	Harborview
7:00 pm - 10:00 pm	Dinner in Baltimore On Your Own	
10:00 pm - 2:00 am	Club NCEMS and Casino	Constellation A/B

(Sunday on Previous Page)

Schedule Summary

Friday, February 27, 2015

4:00 pm - 11:00 pm	Conference Check-in	Atrium
5:00 pm - 10:00 pm	Physio-Control EMS Skills Classic	Maryland Suites
6:00 pm - 6:50 pm	How to Make the Most of the Conference Experience	Chesapeake
7:00 pm - 8:00 pm	Workshop Session 1 (Page 7) Modern Burn Care America's Emergency Care Environment Thinking Outside the Box Creating an MCI Exercise Roundtable: Startup	Constellation C Constellation D Constellation E Constellation F Chesapeake
8:10 pm - 9:10 pm	Workshop Session 2 (Page 8) OB Emergencies EMS Darwin Awards Selfie Sabotage Life Saving Interventions in Potentially Volatile Environments Chiefs and Presidents Panel	Constellation C Constellation D Constellation E Constellation F Chesapeake
9:00 pm - 1:00 am	Welcome Social and Mixer / CPR Challenge	Constellation A/B
11:00pm - 12:00 am	EMS as a Spectator Sport	Constellation A/B

Saturday, February 28, 2015

7:15 am - 8:30 am	Continental Breakfast	Ballroom Foyer
7:45 am - 8:20 am	Group Introductions/Meet & Greet Roundtable: Administrator/Advisor/Medical Director	Constellation A/B Lombard
8:20 am - 9:15 am	Plenary Session - Learning to Lead	Constellation A/B
9:25 am - 10:25 am	Workshop Session 3 (Page 10) Recognition and Treatment of Patients with Severe Dyspnea Cardiac Rate Disturbances and Basic EKGs for EMTs Applying a Trauma-Informed Response Model to Sexual Assault Calls Psychiatric Emergencies in Collegiate EMS Altitude Medicine Essentials of Prehospital Evidence-Based Guidelines The 'S' Word: Never be Called a STUDENT Again! Airway, Breathing, Circulation...Personality? EMS - The Subspecialty Critical Care by Ground or Air Skills Lab: Train Like You Fight Roundtable: Emergency Management and Disaster Preparedness	Constellation C Constellation D Constellation E Constellation F Baltimore Chesapeake Frederick Columbia Calvert Annapolis Conway Lombard
10:35 am - 11:35 am	Workshop Session 4 (Page 12) Physiology Based Airway Management The Perfect Storm of Excited Delirium In the Heat of the Response, Don't Get Left Out in the Cold Cyanide Toxicity Concussion in Athletes Mobile Integrated Healthcare Afghanistan Combat Surgery and Lessons Learned Fifty Shades of 911 EMS Response to Hoarding Situations In-flight Medical Emergencies for the Prehospital Provider Skills Lab: First Response for the Four Legged Patient Skills Lab: Train Like You Fight Roundtable: Technology	Constellation D Frederick Baltimore Constellation F Constellation C Annapolis Constellation E Chesapeake Columbia Calvert President Conway Lombard
11:45 am - 12:30 pm	Workshop Session 5 (Page 14) Richard W. Vomacka Student Speaker Competition Recognizing And Understanding PTSD as a College EMT Pediatrics in the Prehospital Environment Campus EMS Management of an Infectious Viral Outbreak Evaluating the Effectiveness of a Medical Amnesty Policy Concussions - Staying aHEAD of the Injury Female EMT: We do the Same Job, Just in Heels The Fray in EMS: How to Save a Life (With Communication) Balance of Peer Leadership & Management in Campus EMS Regional Roundtable Discussions	Constellation C Constellation D Constellation E Constellation F Baltimore Annapolis Frederick Columbia Constellation A/B

(Continued on Inside Back Cover)