

NCEMSF 2016

The 23rd Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 26-28, 2016
Sheraton Downtown Hotel
Philadelphia, PA

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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-three 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 41

NCEMSF Executive Officers

President	George J. Koenig, Jr., DO, MS
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 Coord.	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 Shoemake, MSN, CRNP
Asst Webmaster	Douglas R. Buchan

Regional Coordinators

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

Welcome to Philadelphia - Enjoy Your Stay!



William Penn, an English Quaker seeking religious freedom, founded Philadelphia, which translated from Greek means "City of Brotherly Love," in 1682 on a 1,280 acres parcel of land stretching between the Delaware and Schuylkill Rivers. Penn's chief surveyor, Captain Thomas Holmes, devised a grid system based around five public squares, all of which remain, that was to provide the pattern for most American cities. Philadelphia was envisaged as a "green country town," and today, for all its historical and cultural significance, it still manages to retain a certain quaintness. Just a few blocks away from downtown, shady cobbled alleys stand lined with red-brick colonial houses, while the peace and quiet of Fairmount Park (America's largest urban park and home to America's first Zoo) make it easy to forget you are in a major metropolis.

Philadelphia prospered swiftly on the back of trade and commerce. Economic power fueled strong revolutionary feeling, and the city was the capital during the War of Independence. It also served as the US capital until 1800, while Washington DC was being built. The Declaration of Independence was written, signed and first publicly read in Philadelphia in 1776, as was the US Constitution. In Independence National Historical Park, "America's most historic square mile," visitors can see two of the nation's most precious monuments to freedom - the Liberty Bell, and Independence Hall.



Philadelphia was also a hotbed of new ideas in the arts and sciences, as epitomized by the scientist, philosopher, statesman, inventor and printer Benjamin Franklin (If time permits, visit the Franklin Institute). Benjamin Franklin also founded the first fire department. Pennsylvania Hospital, the nation's first hospital is also nearby at 8th and Spruce Streets - Benjamin Franklin was involved in its founding as well - What can we say, the man is a Philadelphia superstar, but no, it is not Dr. Franklin on the top of City Hall. Did you know that until the 1980's no building in Philadelphia was allowed to be taller than the hat on William Penn's head? The law was amended to allow for the construction of Liberty Place I and II, which have dramatically changed the city skyline. Today, Philadelphia's tallest building is The Comcast Center.

Today, with a population of approximately 1.56 million, Philadelphia is the fifth-largest city in the United States and the second-largest on the East Coast. The city's remarkable resurgence preparing for the nation's bicentennial celebrations in 1976 and more recent renaissance in the last decade has brought national attention. In recent years, Philadelphia has been named the "number one restaurant city," "America's friendliest city," and this year "best place to visit in the US." Philadelphia's strength today is still its great energy - fueled by history, and strong cultural institutions - grounded in its many staunchly traditional neighborhoods. Philadelphia also is the only World Heritage City in the United States.



To learn more about Philadelphia, check-out www.visitphilly.com

Celebrating the NCEMSF Conference Tradition *NCEMSF Conference Locations*

1994 - Washington, DC
1995 - Philadelphia, PA
1996 - Albany, NY
1997 - Huntington, WV
1998 - Hartford, CT
1999 - Syracuse, NY
2000 - Newark, DE
2001 - Rochester, NY
2002 - Long Island, NY
2003 - Washington, DC
2004 - Baltimore, MD
2005 - Philadelphia, PA
2006 - Boston, MA
2007 - Baltimore, MD
2008 - Philadelphia, PA

2009 - Washington, DC
2010 - Baltimore, MD
2011 - Philadelphia, PA
2012 - Baltimore, MD
2013 - Washington, DC
2014 - Boston, MA
2015 - Baltimore, MD
2016 - Philadelphia, PA

Future Conferences:
2017 - Baltimore, MD - February 24-26
2018 - Philadelphia, PA - February 23-25

Pre-Conference Workshops - Friday, February 26, 2016

9:00 am - 4:00 pm Wilderness Medicine

Salon 5/6

Gates Richards, MEd, WEMT-I, FAWM

The workshop will introduce participants to specific wilderness medicine skills through case studies drawn from the National Outdoor Leadership School's (NOLS) incident database. Participants will follow real life incidents and then practice the skills employed by the rescuers during the event. Skills covered will include wound care, splinting, safe movement of patients, and focused spine assessments. In addition, participants will receive an introduction to extended patient care principles and evacuation logistics. *Separate registration and fee required. Space limited.*

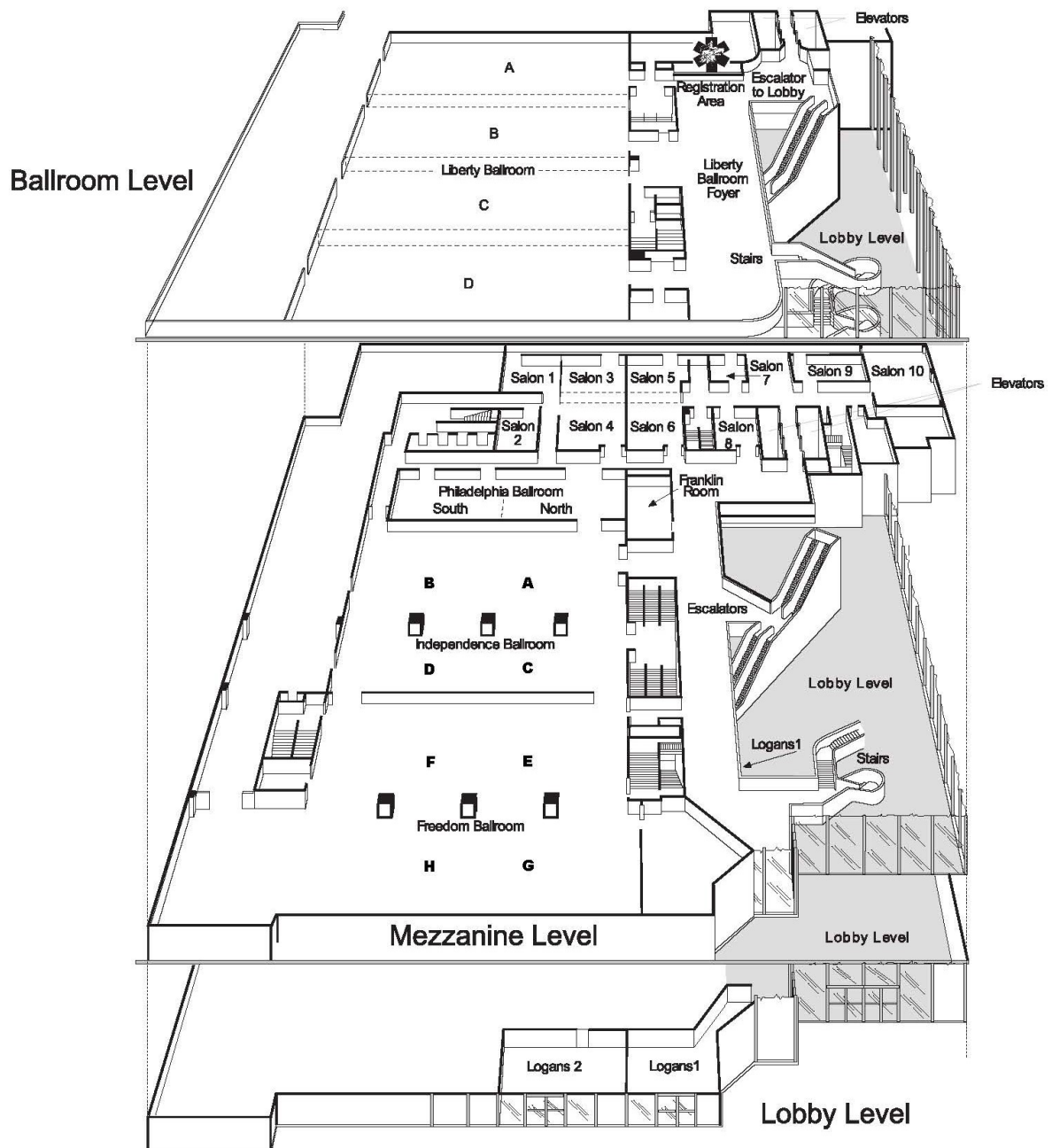
1:00 pm - 4:00 pm Incident Command for Higher Education

Salon 2

H. Bucky Buchanan

FEMA Introduction to the Incident Command System for Higher Education (ICS-100.HE) introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of ICS. It also explains the relationship between ICS and the National Incident Management System (NIMS). This course uses the same objectives and content as other ICS courses with higher education examples and exercises. *Separate registration and fee required. Space limited.*

Sheraton Philadelphia Downtown Floor Plan



Please visit our sponsors, exhibitors, and educators Saturday and learn more about their products, programs and services in the Mezzanine Level Foyer

Sponsors

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



Physio Control, Inc.
www.physiocontrol.com



**Wilderness Medicine Institute of
The National Outdoor Leadership School**
The Leader in Wilderness Medicine
www.nols.edu/wmi/



Exhibitors

Atrus, Inc.
Elliot R. Fisch, President/CEO
www.atrusinc.com



Chesapeake Fire Department
Forrest G. Winslow, Recruitment Officer
fwinslow@cityofchesapeake.net



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



**Northwell Health
Center for EMS**
Craig Smith
cesmith@northwell.edu



Platinum Education Group:
The Testing, Scheduling &
Skills Tracking Experts
www.platinumed.com



Professional Associations

Sudden Cardiac Arrest Association
info@suddencardiacarrest.org
www.suddencardiacarrest.org



Web Hosting

Kodiak Systems
www.kodiaksys.com



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; psterlin@bu.edu
www.bumc.bu.edu/bmcm



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



Philadelphia University
Jean Bail, Program Director
bailj@philau.edu
www.philau.edu/online/disaster-
medicine.html



**Rowan University
School of Osteopathic Medicine**
www.Rowan.edu/som



University of New Haven
Wayne Sanford
Director of Emergency Management
Program
wsanford@newhaven.edu



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



Gifts in Kind



Thank you
Drexel, Penn, Temple, and Villanova
for your assistance with various tasks
leading up to the conference and
throughout the weekend!

Conference Schedule - Friday, February 26, 2016

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

Ballroom Foyer

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 the appropriate identifiers on their badges.

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

Mezzanine Salons

Pre-registered teams should check-in and pay at the skills information table (located next to registration on the ballroom level) 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.

6:00 pm - 6:50 pm

How to Make the Most of the Conference Experience

Independence A

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 session will explore the purpose of collegiate EMS, provide a brief overview of the conference and help tailor the events to your specific needs.

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

Delirium, Designer Drugs, and Teen Death:

Independence C/D

Electronic Dance Music Festival

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

Electronic dance music (EDM) festivals are gaining in popularity and pose unique challenges to first responders and emergency management personnel. EDM events draw large crowds, and MDMA use often complicates patient presentations. Emergency response personnel must craft incident action plans that factor these challenges into account. Specifically, event managers should prepare for high patient presentation rates and the need for advanced life support interventions such as intravenous fluid administration and cardiac monitoring. Dr. Lawner will review patient encounters from the recent Moonrise music festivals, which brought over 30,000 people for an EDM event in Baltimore City, Maryland.

Approach to the Stroke Patient

Freedom E

Joseph Bushra, MD

Stroke is the 5th leading cause of death in the US, and a major cause of disability. There are several types of stroke, each with different possible causes. Therefore, treatment options for the stroke patient are varied. In all cases, however, early recognition and institution of timely treatment is essential for best outcomes. This lecture will discuss the fundamentals of stroke care, with a focus on principles of prehospital management.

Advanced Hemodynamic Resuscitation of the Critically Ill

Freedom G

Niels D. Martin, MD, FACS, FCCM

This lecture will cover all elements of optimizing the volume status of a critically ill patient. Optimization ensures adequate tissue perfusion without over resuscitation. Types of resuscitates will be reviewed along with end points of resuscitation. Additionally, modalities used to obtain end points of resuscitation will also be reviewed.

America's Emergency Care Environment

Freedom F

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 and Patient Safety Environment, Medical Liability Environment, Public Health and Injury Prevention, and Disaster Preparedness.

Conference Schedule - Friday, February 26, 2016

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

Independence A

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.

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

Bath Salts - A Not So Romantic Evening

Independence C/D

Zachary Wilmer Reichenbach, MD, PhD

Bath salts emerged onto the drug scene around 2009, and, despite the passage of time, they continue to raise concern for prehospital providers and emergency department staff. Drug manufacturers redesign and modify compounds routinely to escape and circumvent legal prohibitions. More so, bath salts as they are distributed tend to be a conglomeration of multiple drugs. Here we'll look at the basic pharmacology of bath salts including effects on receptors and neurotransmitters. Then we'll expand this foundation to explore clinical signs of bath salt intoxication and finally, prehospital treatment of acute bath salt intoxication.

Shock: Management for the EMS Provider

Freedom E

Benjamin R. Usatch, MD, NREMT-P

There are few patients more challenging and dynamic than the patient suffering from shock. In the face of impending organ shutdown, the providers quick actions can save a life. In this program we will briefly touch on the pathophysiology of shock before exploring the different types of shock in more detail. With the need for different management modalities based on the presentation, effective diagnosis is the key for successful outcomes. The patient in septic shock has been shown to have higher morbidity without aggressive fluid resuscitation where a similar patient in cardiogenic shock could suffer dire complications if the same approach is taken. We will conclude with a discussion of current management priorities including current controversies surrounding newer techniques.

A Brief History of EMS - The Word is CHANGE

Freedom G

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

As a seasoned veteran with over 40 years of EMS experience, the profession I started in is very different than when I started. This lecture will discuss the biggest changes to the practice of EMS over the years including understanding how our skill set got to where it is today and how EMS is seen in the media. Understanding your roots can help you adapt to the future.

Role of Bystanders in Response to Emergencies

Freedom F

Brendan G. Carr, MD, MA, MS

This session aims to introduce the EMS community to the "Until Help Arrives" initiative and the "Becoming an Active Bystander" curriculum. The session will begin with an overview of the available research regarding the role of "bystanders," or untrained people who happen to be at the scene of an emergency. We will then introduce several recent federal initiatives to empower citizens to take action and make a difference in an emergency: Stop the Bleed, Until Help Arrives, and Becoming an Active Bystander. The five main educational components of the Becoming an Active Bystander curriculum will be discussed: Call 911, Protect from Harm, Stop Bleeding, Positioning, and Providing Comfort. If available, the current Until Help Arrives campaign materials will be shared (including info graphics & animated short films), as will "Becoming an Active Bystander" course curriculum. The session will close with information regarding how local EMS units can get involved in these initiatives.

Chiefs and Presidents Leadership Panel

Phila. North

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 26, 2016

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

Liberty C/D

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

Liberty C/D

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*

Liberty C/D

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/conf2016 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 27, 2016

7:00 am - 10:00 am *Late Conference Check-in* *Ballroom Foyer*

7:15 am - 8:30 am *Continental Breakfast* *Ballroom Foyer*

7:45 am - 8:20 am *Group Introductions / Meet & Greet* *Liberty 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 *Salon 5/6*

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 *Opening Plenary Session* *Liberty A/B*

Campus EMS Highlights

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

Campus EMS groups from across the country will share their unique experiences in a series of short-form lectures. The topics will range from response to extraordinary incidents to obtaining funding for new vehicles and quarters to novel training programs. Listen to your peers explain the challenges of their particular situation and how their agency rose to the occasion to achieve success.

9:25 am - 10:25 am *Workshop Session 3*

 **2015 AHA Guidelines for CPR and ECC: An Anti-Climax?** *Independence A*

John-Paul Couce, NRP

Five years after the groundbreaking 2010 AHA Guidelines for CPR and ECC were released, the medical community held great dreams of what progressive material might be included and revised with the 2015 release; however, many were left unsatisfied. This lecture will review the highlights of the 2015 "update," and discuss what is lacking: the latest and most progressive elements of cardiac arrest management research and techniques. Prepare to change your entire approach to cardiac arrest management.

 **Physiology Based Airway Management** *Freedom E*

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 patients' underlying physiological issues are addressed and the airway is managed with a strategy to improve, not worsen, patients' physiological problems and improve outcomes.

 **ABC's of EMS: A Visual Stimulation Lecture** *Freedom F*

Joshua Moskovitz, MD, MPH, MBA, FACEP

Don't come after you've just eaten...this collection of visual stimulation will include various medical and traumatic ailments with a discussion of the pathophysiology, treatment, and outcome probabilities.

 **Basic Pharmacology for EMTs** *Independence B*

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

EMTs use a limited variety of medications, but all of them can have a major impact, both good and bad. It is important that the EMT understand what these medications are actually doing and WHY we use them.

 **Forensic Medicine for the First Responder: Part I** *Phila. South*

Gregory McDonald, DO

This lecture is designed to educate EMS personnel to identify various types of injuries from blunt and penetrating trauma and discuss how to document them accordingly.

 **Multiple Sclerosis:** *Freedom H*

From Pathophysiology to Clinical and Emergency Care

Salim Chahin, MD, MSCE

Multiple Sclerosis (MS) is an autoimmune demyelinating disorder of the central nervous system. MS is the number one cause of non-traumatic disability for young adults. In this talk, we will discuss the

Conference Schedule - Saturday, February 27, 2016

pathophysiology of MS and its common signs and symptoms, we will also discuss care for relapses and disease modifying treatment. Lastly, we will discuss how the disease can impact emergency care with emphasis on the prehospital setting.

◆ There and Back Again: Trauma Care in Afghanistan

Independence C/D

Aaron Saguil, MD, MPH

Military and humanitarian assistance missions take place in unique and challenging environments. With the deployment of forces into theaters of conflict or disaster, the need for point of injury care is balanced against the need to maintain an agile force able to move quickly. The military has balanced these sometimes competing imperatives by creating a medical evacuation chain that extends from the battlefield through in-theater medical treatment facilities back to definitive care hospitals in the United States. Medical providers in combat zones and on humanitarian missions practice the principles of triage and resuscitative care in order to stabilize and support injured service-members as they are evacuated to higher echelons of care. In this talk, LTC Saguil will discuss the coalition military medical system in Afghanistan as he experienced it: on foot patrol, in the forward surgical team, in the NATO Role 3 Multinational Medical Unit, and, finally, back home at Walter Reed National Military Medical Center.

◆ Sense & Sensitivity:

Freedom G

Trauma-Informed Responses to Sexual Assault Calls

Eric M. Garrison MAEd, MSc

Did you know that the first response to a sexual misconduct call is the most crucial step in the serpentine path from victim to survivor to thriver? Done poorly, your actions could hinder a victim from seeking further treatment or even justice. Yet when done well, your trauma-informed response could help contribute to the healing process and eventual flourishing. Wouldn't you like to know more about handling these delicate situations, so that everyone from the survivor to the EMS crew feels more comfortable and less anxious? Eric will help you become aware of your own comfort 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.

❖ Mud, Sweat, and EMS-The Truth Behind the Mud Run Craze

Phila. North

John Roussis, NRP, FP-C, CMTE

With the wave of Cross fit and new ways to exercise, the mud run industry is turning small towns into major cities for the weekend as thousands flock to get muddy, jump fire, and drink beer! This lecture will review industry incidents and forecast to help you better prepare for mass gatherings and special events outside of your normal standby request. The presentation will also discuss countermeasures to lessen the impact that lack of preparedness and planning has on local healthcare operations.

Skills Lab: Lifting and Moving

Salon 10

Gates Richards, MEd, FAWM, WEMT-I

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

Roundtable: Campus EMS Administrative Challenges

Salon 5/6

Shawn Miner and Raymond Lovell, University of Rhode Island

Collegiate EMS agencies face the unique challenge of being composed of staff whose number one priority isn't (or at least shouldn't be) EMS operations. Similarly, and as a result, they also need to function well despite rapid turnover. This roundtable discussion will focus on various administrative challenges such as scheduling, personnel, and training and will address ways we have tackled them and strive to improve our agencies.

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

🚚 AEDs - Keeping Them Operationally Ready

Independence A

Elliot Fisch

A key component of a HEARTSafe Campus Public Access Defibrillation program is not only the location and placement of defibrillators, but also the management of AEDs' expiring accessories. This program will provide resources to support an efficient and effective PAD program.

🚚 Managing Crashing Patients in the Field Strategies to Reduce Mortality

Freedom E

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 operational 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. QI data from an urban EMS system will be reviewed highlighting the effectiveness of this strategy.

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♦ Visual Diagnosis in Pre-hospital Trauma

Freedom F

Benjamin Braslow, MD

This talk is designed to highlight classic visual presentations of patients that can immediately allow for clinical diagnosis and drive treatment plans in the prehospital and Emergency Department /Trauma Bay settings. It will stress the importance of the "Look Test" over more extensive diagnostic techniques.

♦ Pills That Kill

Independence B

Michael Guttenberg, DO, FACEP, FACOEP

This lecture will review the can't miss overdoses and ingestions that are common today. Particular attention will be focused on recognition of the poisoned patient, recognition of toxidromes, as well as the prehospital and hospital management of the poisoned patient. Common and not so common ingestions and poisonings found on today's college campuses will receive extra attention.

♦ Forensic Medicine for the First Responder: Part II

Phila. South

Gregory McDonald, DO

This lecture is designed to educate EMS personnel to identify various types of injuries from blunt and penetrating trauma and discuss how to document them accordingly.

☉ EMS and Patients with Special Needs

Freedom H

Katherine Koch, PhD, NRP

Patients who have long-term special needs or disabilities can present additional challenges for providers as they assess, treat, and transport these patients who may be experiencing an acute exacerbation of a chronic problem, or are experiencing a medical or trauma situation unrelated to their chronic condition, but which still has an impact on assessment, treatment, and transport. This session is intended to provide an overview of several chronic conditions such as autism, cerebral palsy, language disorders, spina bifida, intellectual disabilities, and sensory deficits, in addition to providing suggestions for facilitating communication with the patient and family members, as well as recommendations for assessment, treatment and transport.

♦ CHAOS: Controlling the First 5 Minutes of YOUR MCI

Independence C/D

H. Bucky Buchanan

You have 5 minutes. Yes, 5 minutes to set the tone for how you will respond to a Mass Casualty Event. If those first precious few minutes are not correctly managed, it can set the wrong tone. Done correctly, even a novice first responder with a little bit of knowledge can become a shining star when coming into an often chaotic, panic-filled and emotionally demanding scene. Know how you as a campus responder can become a seamless part of the big picture response to any incident on your grounds or in the surrounding community.

♦ Responding to Campus Sexual Violence

Freedom G

Jena Curtis, MA, EdD and Susan Burnett, MS, EMT-P

Unlike forcible sexual violence that is more likely to happen outside a campus setting, college sexual violence is almost exclusively facilitated by alcohol or other drugs. Victims tend to experience little physical trauma and are often so incapacitated that they are unaware of what has happened to them. Many do not identify their experience as sexual assault, and present as ETOH overdoses, panic attacks or other psychological distress. Although metropolitan emergency departments have Sexual Assault Nurse Examiners and other personnel who are extensively trained, EMS agencies - especially campus agencies staffed with student EMTs - tend not to have training focused on responding to sexual violence calls. This presentation will help members of college and university EMS agencies recognize and respond to sexual violence as it is most commonly experienced on college campuses. It will review: common myths and misconceptions surrounding sexual violence, what "real" sexual violence looks like on college campuses, and how responders can not only use trauma-informed treatment to help survivors, but also use their positions on campus to challenge and prevent sexual violence.

♦ Baby On Board

Phila. North

Cathleen Vandenbraak, MBA/MHA, CEN, CCRN

This session will review selected high-risk diagnoses of the pregnant patient. Emphasis will be placed on assessment and treatment of this special population in the prehospital realm.

Skills Lab:

Salon 10

Johnny Is Lost - An Introduction to Search and Rescue

Gates Richards, MEd, FAWM, WEMT-I

This limited seating workshop will allow participants to role play a Search and Rescue scenario in the Wind River Mountains of Wyoming. Learn the basics of managing a search in a remote environment while strategizing rescue plans for a group in the high country of the West. This exercise will take the form of a "choose your own adventure" narrative with participants getting information, making plans, learning the results and then updating their plans for the next phase. At the end of the session, participants will be familiar with the basics of Search and Rescue theory, and will hopefully have found Johnny...

Conference Schedule - Saturday, February 27, 2016

**** 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.**

Skills Lab: Simulation Scenarios Battlefield Medicine and Civilian Mass Casualty Events

Logan I

Aaron Saguil, MD, MPH

Trauma medicine makes rapid advances during times of conflict and insecurity. The recent operations in Iraq and Afghanistan have been no different. The advances made in the Middle East and Southwestern Asia theaters of conflict, like the adoption of evidence-based massive transfusion and burn care protocols, have now been adopted widely by civilian health care systems. These recent conflicts have also demonstrated the benefit of simulation in producing healthcare workers able to meet the demands of trauma care in austere and prehospital environments. This session will feature an interactive talk on joint theater trauma clinical practice guidelines combined with a multiple casualty scenario. During this simulation, participants will be able to practice trauma skills on high fidelity models under the direction of veteran military physicians. This training will help participants apply the lessons of the battlefield to their own neighborhoods.

Roundtable: Technology

Salon 5/6

*Scott C. Savett, PhD, NCEMSF Vice President and Chief Technology Officer,
Ian Feldman, 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

15th Anniversary 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.

Creating Controlled Chaos: Engineering an MCI Drill

Independence A

Jeffrey Rabinowitz, Case Western Reserve University

Mass Casualty Incidents (MCIs), by definition, push an agency past its limits. MCI drills are rare opportunities for agencies to test the interoperability of campus EMS agencies, police departments, fire departments, and other emergency response organizations. This talk, presented by a two-time Exercise Director of Case Western Reserve University EMS MCI drills, will discuss a holistic approach to exercise planning. Questions addressed will include: Where do we start with FEMA-style documentation? What are the best ways to add realism to a drill? How do we ensure clear expectations are set before the drill? What happens when outside agencies get a real-world call? How do we host a successful hot-wash afterwards? The answers to these questions lie in planning, communication, and documentation. The talk will draw from methods CWRU EMS has developed, from forming objectives to implementing improvements, and will reflect on FEMA recommendations and best practices.

Alcohol and Other Drugs: Making a Policy

Freedom E

Elise Romberger, Rensselaer Polytechnic Institute

Intoxicated patients are common in collegiate EMS. As the policies of educational institutions change, it is important that emergency medical personnel are up to date and in line with those alcohol and other drug policies, while still focusing on the best needs of their patients. In 2011, RPI Ambulance was called to an MCI featuring 13 underage, intoxicated students. Since that incident, RPI Ambulance embarked on a journey to create a transport policy that is favored by its members, the institute, and patients.

Prehospital Treatment of the Cervical Spine Injured Athlete *Freedom F*

Devin P. Dromgoole, Rowan University

As EMS providers, we are frequently tasked with responding to patients with suspected cervical spine injuries. However, the task of treating an athlete with a suspected cervical spine injury often poses a unique situation that many EMS providers find particularly challenging. Often times, this can be due to a lack of training in the removal of sports equipment, sports injury mechanisms, or knowing how to effectively work with other sports medicine professionals. Since nearly every college has an NCAA, intramural, or recreational sports program, it is crucial for Collegiate EMS providers to be well trained on how to respond to athletes with suspected spinal injuries. This presentation will discuss how to develop effective practice and protocols for prehospital treatment of cervical spine injured athletes in various sports, including sports equipment removal, spinal immobilization, and conducting a professional transfer of care with sports medicine professionals.

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Kindness and Compassion in the Face of Sexual Assault

Independence B

Marianne Meyers and Roshni Desai, Santa Clara University

It is estimated that 1 in 5 women and 1 in 16 men will be sexually assaulted at some point during their collegiate career. Sexual assault and abuse is prevalent on college campuses and as EMTs we should be prepared to treat the patient with the appropriate skills and compassion they deserve. We will discuss how to identify signs of sexual abuse or assault along with the skills needed to treat patients, and how to deal with the police, evidence, and other legal matters.

Emergency Media Services

Phila. South

Tips and Tricks for a Press Response

Danielle Thor, Temple University

First responders tend to follow a universal protocol when approached by the media, "No comment." The task of talking to the press typically falls on the shoulders of those above us, whether they be university representatives or the highest-ranking officials within our agencies. However, with proper preparation and execution any EMT can tackle talking to the media. To help with this preparation, this lecture will provide an overview of suggested guidelines in communicating with the various types of media outlets following a major event. It will combine the professional advice of those in the fields of public relations and public service with the experiences of confronting the media following the Amtrak Train 188 Derailment.

You Can, We Can, Narcan

Freedom H

Alexandra Savkova, University of Pittsburgh and Yanna Savkova, Temple University

Narcan, known by its generic name, naloxone, is a new player in the BLS tool bag for certain BLS providers in Pennsylvania. Its emergence in the protocols is somewhat controversial but it is a powerful tool in the BLS providers hand. Does Narcan solve an age old problem of opioid overdose deaths on campus? Or does it perpetuate an already prevalent problem? Is it worthwhile for college QRS agencies to be able to use narcan? By taking a look at what naloxone is, how it works, its implementation in the BLS protocols, and the use of naloxone from an ALS and a BLS perspective, we will examine and lead a discussion on the potential of Narcan in the environment of a college campus.

Sustainability in EMS

Independence C/D

Christopher Eyestone, Virginia Tech

The science of Isaac Newton's third law of motion is undeniable: for every action, there is an equal and opposite reaction. Newton's genius is not lost on 99% of his colleagues in today's scientific community who agree that the last three centuries of industry, technological advancement, and human activity have caused irreversible global climate change. Regardless of our political beliefs or religious affirmations, continued carbon deposition and greenhouse gas expenditures are hailed as a major threat to the health of our environment and indeed, the planetary status quo. This presentation seeks to address specific opportunities for cost-saving, sustainable practices in EMS system administration and leadership. From solar-powered ambulance batteries to paperless patient care reporting software products and inventory systems, Collegiate EMS agencies play an important role as public servants in leading their campus communities in terms of environmental stewardship and sustainability.

When Panic Attacks: From the 10-23 to the 10-8

Freedom G

Simon Gunter and Devon Mitchell, Washington University - St. Louis

One in five college students experience a panic attack before they graduate. Despite their prevalence, the standardized training that all EMTs receive limits the individual, case-by-case needs of each patient who experiences a panic attack. Additionally, the ambiguous and complex nature of panic attacks not only makes them difficult to identify and treat, but also allows for the dismissal of potentially life-threatening conditions. This presentation aims to supplement the collegiate EMT's understanding, treatment, and accurate identification of panic attacks. Drawing from national collegiate statistics and Washington University Emergency Support Team's experiences, emphasis will be placed on high-quality patient rapport, situational awareness, and teamwork, from the 10-23 to the 10-8.

"Please Don't Tell My Parents"

Phila. North

Management of the Suicidal Student

Katherine Goldsmith, Wellesley College/MIT

There are more than one thousand suicides on college campuses every year, and countless more students hospitalized or suffering from a variety of mental disorders. These calls are variable, unpredictable, and can be extraordinarily stressful for all those involved, especially on small college campuses where your patient may be your lab partner. "I don't want anyone to know. You should be helping someone who needs it. They're going to kick me out of school." In this lecture we discuss what to look out for during your first "mental health check," relevant terminology, and how to approach and communicate with different types of patients. We will reference contemporary literature, discuss common scenarios prevalent in collegiate EMS, and explore how the stereotypes associated with a collegiate EMT may affect how patients and other healthcare professionals perceive you. We will also explore ways to manage the social stigma associated with mental illness.

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Regional Roundtable Discussions

Liberty 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 Liberty A/B and then spread out.

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

With an hour for lunch, we recommend the Food Court at the Shops at Liberty Place (1625 Chestnut Street) or the Market and Shops at Comcast Center (17th and JFK) or, for a more authentic Philadelphia experience, one of the stands at the Reading Terminal Market (12th and Filbert Streets). Food trucks in the area are another great option as are the plethora of eating establishments within a few block radius of the hotel. See a listing of options on page 31.

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

Deploying a Public Access Defibrillation Program

Independence A

William Brady, MD and Lucian Mirra, MEd, NRP, FP-C

Imagine a favorite professor on your campus suffers a sudden cardiac arrest--is your campus prepared? Research has shown that even with adequate EMS coverage, victims survive out-of-hospital cardiac arrest (OHCA) at a much higher rate when public access defibrillation programs have been implemented. The purpose of this lecture is to guide participants through the process of implementing and maintaining strong public access defibrillation programs. Specifically, this presentation will address the challenges of selecting sites for AED placement, answering questions from administrators regarding the program, deploying the program including adequate public education, and maintaining the program long term.

I'm in SHOCK:

Freedom E

Critical Care for the Collegiate EMS Professional

Leonard Weiss, MD

Oh no, he's in shock! But shock is not just all emotion. In this talk, we will learn about the different types of shock and the important causes and the pathophysiology behind them. By knowing how shock works, we can then figure out how to fix it. This will be a lesson to enhance the college BLS provider's understanding of critical care, and also to refine the thought-processes of the ALS provider.

Social Media Train Wrecks

Freedom F

Matthew Streger, Esq.

Social media continues to be a significant source of problems for the EMS community, especially when involving photos or videos. This lecture will review cases where EMS personnel or agencies have been caught up in social media problems, and review laws and best practices for social media and photography. Topics will include policy elements that your agency should have in place.

Toxicology 101: Common Toxicological Emergencies

Independence B

Christian Grant, NRP, FP-C

Toxicology 101 reviews emergencies that can result from intentional and non-intentional introduction of toxins into the body, with a specific focus on those most seen on college campuses. This lecture will review these drugs, their mechanisms of action and the treatment algorithms for both ALS and BLS providers. In addition, the end of the lecture will include an engaging scenario that will involve the audience in determining a toxin based on a patient presentation and collectively deciding on the appropriate toxidrome.

When You Need a Helicopter...

Phila. South

Jeffrey Lubin, MD, MPH

Fortunately, it is not every day that you need to land a medical helicopter on campus to evacuate a patient. In this presentation, we will discuss the skills and capabilities of the typical flight crew, the advantages and limitations of air medical transport, and the steps needed to safely pre-plan a landing zone. Medical helicopters can provide life-saving interventions and transport for your sickest and most severely injured patients...but only if you know how they fit into your system.

Patients with Autism: How to Respond and React

Freedom H

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 potential family concerns.

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❖Bombs, Bullets, and Buying Time: Sandy Hook, Boston, and Beyond

Independence C/D

Brett Biebelberg

We've all been told that scene safety is important. Yet recent evidence from disasters like Columbine, Sandy Hook, and the Boston Marathon has suggested that our obsession with scene safety might be interfering with our ability to save lives. This session will explore how we respond to school shootings, bombings, and other dangerous incidents, and challenge participants to consider how to balance our own safety with our mission of saving as many lives as we can. Based on real-life examples, participants will become familiar with the anatomy of law enforcement and EMS response to dangerous incidents, and how this response has evolved significantly from the school shooting at Columbine to the bombing at the Boston Marathon. Participants will also learn about bold yet controversial arguments now being made that we should assume more risk by entering the "warm zone" at these incidents, and how this might influence EMS going forward.

☺Catch the Wave: Ultrasound Use in EMS

Freedom G

Carl Alsup, MD

Through case-based scenarios you will learn how to evaluate medically and traumatically ill patients and learn how ultrasound can help you to make a critical diagnosis to save your patients life. Discover how ultrasound can uncover what you can not feel or see on physical exam.

☺Speed and Specialized Care

Phila. North

Guy Barber, MPH

Historically patients with catastrophic illness or injury were at great risk of dying. However, in the past half century, with the advent of systems of care including modernization of emergency care, EMS, and trauma surgery, this risk has dramatically been lowered. CCTM is an integral part of the system. It brings specialty care immediately to the bedside to stabilize and transport patients to definitive care.

Skills Lab: Simulation Scenarios Battlefield Medicine and Civilian Mass Casualty Events

Logan I

Aaron Saguil, MD, MPH

Roundtable: Recruitment and Retention

Salon 3/4

Stu Rosenhaus, EMT, CIC

This roundtable will discuss recruitment strategies and techniques for keeping your members once they join. We'll discuss how to create a low cost public education program and use it to strengthen your organization's image. Participants will have the opportunity to share their squad's best practices.

Roundtable: Research Design & Execution in EMS

Salon 5/6

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

Joseph Grover, MD, NCEMSF Startup 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.

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

🚑CPR: Colleges Prepared to Respond Sudden Cardiac Arrest and Beyond

Independence A

Robert Curran

What separates the survival rates of sudden cardiac arrest from county to county? Is it the hospital? Is it epinephrine? Is it the cathlab? Nationwide, the highest rates of survival are in communities with the highest rates of community members prepared to intervene. Learn how to tap into the existing talent in your squad to increase your community's ability and interest to respond to emergencies, and to expand your members roles as leaders.

🚑The Future of Stroke Bypass

Freedom E

Joseph Grover, MD

In 2015, five landmark studies were published in the New England Journal of Medicine which revolutionized the treatment of stroke. These studies demonstrated a significant benefit of intra-arterial thrombolysis in the management of large vessel occlusions (LVO), a small subset of stroke patients who saw less benefit with TPA treatment. With the introduction of this treatment in the management of patients with severe stroke, EMS systems will need to adapt to transport patients who might benefit from this treatment to facilities that can perform these treatments. Most stroke centers currently do not offer this therapy, and therefore stroke bypass strategies will need to be developed to address this new need.

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✿Two Heads Are Better Than One

Freedom F

Amy Eisenhauer

Many people hear the term mentoring and think they must wait to enter the workforce to find a mentor and start on their professional development, but mentoring can and should start during your educational career. Mentoring has long been a tradition in the medical and first responder communities; it is imperative that future EMS leaders utilize this classic tool for individual provider growth and improvement of EMS as a whole. This session discusses the mentoring relationship and its cultivation, the benefits of mentoring for both mentee and mentor, and how to identify potential mentors and market yourself to them.

◆“Help I’ve Fallen and I Can’t Get Up!”

Independence B

Jim Wilmerding, MS, MED, EMT-CP

Besides our work with the elderly population as EMS providers, we all know a grandmother, a grandfather, a great uncle or aunt. According to the CDC, "...one-third of people 65 and older fall each year! Every 29 minutes an older adult dies from complications from a fall"! Pretty scary, huh? As EMS providers with a little knowledge, we can assist changing this "deadly" outcome. Come learn about some of the basic components of "STEADI -- Stopping Elderly Accidents, Deaths & Injuries." This is the CDC's National Center for Injury Prevention and Control's Falls Assessment and Prevention program for the elderly. Some topics we will cover and you will perform: The 4-Stage Balance Test; The 30-second Chair Stand Test and the initial questionnaire "Stay Independent". WE can help prevent falls and assist the elderly to live safe, productive lives.

◆Burn Disaster Management

Phila. South

Robert Guilday, MD

This lecture will discuss the planning and implementation of response to mass burn casualty events. It will also review the physiologic response to burn injury and initial therapy.

☺Robo Patient: Medical Technology in the Home

Freedom H

Gary Hecker, RN, CCRN, AEMT, CIC

Hospitals are sending patients home who are more complex and technology dependent than ever before. Although patients and caregivers are provided with resources, EMS is often called in when things go wrong. In this presentation the participant will be introduced to some common and not so common medical devices that may be encountered in the patients home. Tips and strategies will be given to use in these situations.

❖Weapons of Mass Destruction- Still a Viable Option

Independence C/D

Michael Guttenberg, DO FACEP FACOEP

This lecture will focus on understanding bioterrorism and other weapons of mass destruction. Focus will be placed on understanding the role of bio-surveillance, biologic and chemical agents of opportunity, as well as explosives. The role of triage and alternative models of triage in the trauma and non-trauma setting will be discussed. As examples will illustrate, the college campus are not immune from Bioterrorism/WMD.

◆Pediatric Trauma Centers: Right Patient, Right Place, FIRST Time

Freedom G

Nicole Fox, MD, MPH, FACS

Trauma is the leading cause of morbidity and mortality in children. Most children in the US are not cared for at pediatric trauma centers. It is imperative that any provider caring for pediatric trauma patients understands common injury mechanisms and management strategies. In addition, providers should recognize that any severely injured patient should be transported to a trauma center in order to reduce morbidity and mortality. This lecture will provide an overview of pediatric trauma, emphasize the importance of timely intervention and transport to a trauma center as well as describe common injuries in pediatric trauma.

❖EMS Response to Active Shooter Events

Phila. North

David Adler, NRP

Campuses continue to be popular targets for active shooters. EMS must learn to function in partnership with the police in order to achieve a successful resolution to these highly stressful and challenging incidents. Learn how to build relationships with your local police, how to prepare your campus for an active shooter event, and how active shooter events change the medical triage/treatment paradigm as several incidents are debriefed and the threat from these individuals is analyzed. Concepts such as the Rescue Task Force and training programs like TCCC/TECC will be discussed and evaluated for their utility. You'll hear a veteran police sergeant's opinion on what the next wave of attacks will look like, and why. You'll hear what the data says about when attacks occur, and what measures your squad can take to reduce morbidity and mortality.

Skills Lab - Tabletop Session: The First 5 Minutes in an MCI

Salon 10

H. Bucky Buchanan

How will you manage the first 5 minutes of an MCI? This session will test your skills and teach you the critical importance of the first five minutes during an MCI. Challenge yourself with live tabletop scenarios and see how the decisions that you make affect the outcome of the MCI.

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Skills Lab: Let's Talk About Sex Taking a Patient-Centered Sexual History

Salon 3/4

Eric M. Garrison, MAEd, MSc

Whether for your current position or down the road for your schooling or career in healthcare or therapy, taking a sexual history is an important skill with which many struggle. This small group workshop will help you ask the most useful questions in the most important chronological order to unlock enough of your client's sexual past, so that you can help them optimize their sexual health and pleasure in their future. Come discover why Eric was known at Oxford and the University of London as the "Sherlock Holmes of Sexual History Taking."

Skill Lab: Ultrasound - Visualizing Beneath the Skin

Salon 2

Carl Alsup, MD

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

Skills Lab: Simulation Scenarios Battlefield Medicine and Civilian Mass Casualty Events

Logan I

Aaron Saguil, MD, MPH

Roundtable: Fundraising and Financing

Salon 5/6

Matthew D. Ricci, MPA 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.

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

Mezzanine Foyer

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

Post-Arrest Care:

Independence A

Cooling and Cutting-Edge Approaches to Save Lives

Benjamin Abella, MD, MPhil

Over 300,000 people suffer cardiac arrest each year in the United States, and less than 20% leave the hospital alive. Cardiac arrest is familiar to most EMS providers, who recognize the key importance of their prompt actions to provide CPR and other resuscitation care. While CPR and electrical defibrillation in the prehospital environment often restores a pulse, the majority of these patients die during subsequent hospital admission. This lecture will explore how ischemia-reperfusion injury plays a role in this post-arrest mortality, and will describe targeted temperature management (TTM), also known as therapeutic hypothermia - a crucial therapy to improve brain function and increase survival. The lecture will also survey some of the exciting new developments in post-arrest care that may lead to improved survival in coming years.

♣ This is Your Brain: A Review of Anatomy and Assessment

Freedom H

Gary Hecker, RN, CCRN, AEMT, CIC

In this session the participant will learn an overview of the functional anatomy of the central nervous system. Anatomical and functional divisions of the nervous system will be discussed. Techniques of proper neurological assessment will be reviewed.

⚙ Lessons from Operating Room Crisis Management

Freedom E

Alexander Arriaga, MD, MPH, ScD

Operating room crises are high-acuity events that require rapid and coordinated management in a time-sensitive setting. They can be rare for the individual operating room provider. However, emergencies and crises can be everyday events for an emergency medical services organization. This talk explores lessons from Operating Room Crisis Management and applicable aspects to collegiate EMS.

North American Bites and Stings

Independence B

Gates Richards, MEd, FAWM, WEMT-I

The presentation will acquaint you with the various critters with sharp moving parts scattered throughout North America. We will dispel common myths, provide a reality check on beneficial treatment plans, and describe effective prevention for traveling in wild animal territory. Though few of these are mortal threats, none of them are fun!

❖ Tragedy on the Tracks: Lessons Learned from Amtrak 188

Phila. South

Ernest Yeh, MD, FAAEM

The crash of Amtrak 188 in Philadelphia on May 12, 2015 required a multiagency response. Dr. Yeh was on duty the night of the crash at the Temple University Hospital (TUH) Emergency Department which was the

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closest Level 1 trauma center to the incident. He will provide a recount of the events of the night from the TUH perspective as well as discuss some of the lessons learned from the event.

🌀 Navigating the Labyrinth: EMS Response to Hoarding Situations

Freedom F

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: planning and interaction with other agencies will be addressed as well.

❖ Triage, Tips, and Tricks for Mass Casualty Incidents

Independence C/D

Christopher Greb, NRP

Mass Casualty Incidents frequently occur with no warning. EMS providers are expected to be ready, each and every day, to respond to these low frequency, high consequence events. This interactive experience will allow the attendees to practice their skills of patient triage and incident management. Furthermore, "street-level" tips and tricks learned from actual incidents will be shared with the students.

⌘ Lean, Mean, EMS Machine

Freedom G

Stu Rosenhaus, EMT, CIC

This presentation will introduce the concept of Lean in Healthcare. We will discuss value added and non-value added activities, the 8 wastes in healthcare, and how to use simple observation to make changes and improve processes. We'll take a virtual waste walk, remove non-value added steps and see how well we improve the process.

❖ EMS Planning for the 2015 Philadelphia Papal Visit

Phila. North

Crawford Mechem, MD, MS

In September 2015 Philadelphia hosted the World Meeting of Families, which culminated with a two day visit by Pope Francis. EMS planning for the event was a complex process that involved the cooperation of municipal, state, and federal agencies, as well as many private organizations. Because the visit was designated as a National Security Special Event, Philadelphia had to balance the priorities of the United States Secret Service and other law enforcement agencies to keep the Pope and visitors safe with the medical needs of visitors and the ongoing needs of the city. Planning had to consider the impact of security on EMS operations, the anticipated crowd size and demographics, and how many patient encounters were likely. Other considerations were the weather, the number of additional medical providers and ambulances that would be needed for the event, where they would come from, and how these resources would be best deployed. The event had a regional impact, as the Pope visited several areas of the city and adjacent suburbs over his two day visit. How these many issues were addressed will be described in detail.

Skills Lab - Tabletop Session: Active Shooter

Salon 10

David Adler, NRP

This session will test your skills and review the key concepts for responding to an active shooter incident. It will use live tabletop scenarios to illustrate how EMS can interface with law enforcement and challenge you to decide on delivery of patient care in cold, warm, and hot zones.

Skills Lab: Simulation Scenarios Battlefield Medicine and Civilian Mass Casualty Events

Logan I

Aaron Saguil, MD, MPH

Roundtable: QA/CQI

Salon 3/4

Frank A. Caria, MPA

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

Roundtable: Emergency Management & Disaster Preparedness *Salon 5/6*

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

Ryan M. Hay, RN, NCEMSF Pennsylvania Regional Coordinator

During this roundtable, Eric 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 EMS Ready Campus.

Conference Schedule - Saturday, February 27, 2016

5:00 pm - 6:00 pm *Major John P. Pryor, MD Memorial Lecture* *Liberty A/B*
Introduction
George J. Koenig, Jr, DO, NCEMSF President

Lessons Learned in Modern Battlefield Trauma Care

Alec Beekley, MD, FACS

Socrates said, "The only one to benefit from war is the young surgeon." Each war in modern history has indeed led to advances in trauma care and medicine; the most recent American wars are no different. In some cases, old lessons (e.g. tourniquet use) were improved and updated. In others, newer civilian concepts and technologies have been brought to bear on the battlefield and proven their worth (e.g. modern portable imaging modalities). Modern data systems and record keeping has allowed combat casualty data that historically took years to compile and analyze to be digested in days to weeks. The lessons learned can be distributed back to care-providers faster than ever before. Our current efforts must focus on continued analysis of the wealth of battlefield trauma data, followed by application and study of lessons learned in civilian settings.

6:00 pm - 7:00 pm *Leadership Presentation & Business Meeting* *Liberty 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.

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 Striving for Excellence, 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).

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 NCEMSF Service Award

7:00 pm - 8:30 pm *Alumni Mixer and Networking Event* *Lobby*
Sponsored by Philadelphia College of Osteopathic Medicine

Campus EMS Alumni are invited to join NCEMSF leadership for an alumni mixer. 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" designation 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. 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 31 or consult the Hotel Concierge.

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

10:00 pm - 2:00 am *Club NCEMSF and Casino* *Liberty C/D*

Join the party at Club NCEMSF 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 (9:30 pm - 12:30 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 NCEMSF house at your favorite casino games including Black Jack, Poker, Craps, Roulette, etc... Great prizes are available including 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...

Schools in Attendance

*At the time of publication, the following 103 universities (1,148 + 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	12	MA	Massachusetts	FR	Non-Emergent Transport
Arizona State University	2	AZ	Central	BLS	QRS
Bard College	8	NY	New York	BLS	QRS
Binghamton University	28	NY	New York	ALS	Ambulance Transport
Boston College	8	MA	Massachusetts	BLS	QRS
Brandeis University	22	MA	Massachusetts	BLS	QRS
Brown University	5	RI	Northeast	ALS	Ambulance Transport
Bryn Mawr College	2	PA	Pennsylvania	Startup	
Carleton University	10	ON	Canada	FR	QRS
Carnegie Mellon University	20	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	13	OH	Midwest	BLS	Transport
Chapman University	1	CA	West	Startup	
Clark University	13	MA	Massachusetts	FR	QRS
Clarkson University	6	NY	New York	BLS	Non-Emergent Transport
Colby College	7	ME	Northern New England	BLS	QRS
Columbia University	14	NY	New York	BLS	Ambulance Transport
Cornell University	16	NY	New York	BLS	Non-Emergent Transport
Dartmouth College	8	NH	Northern New England	BLS	QRS
DeSales University	12	PA	Pennsylvania	BLS	QRS
Drexel University	24	PA	Pennsylvania	BLS	QRS
Duke University	8	NC	Southeast	BLS	QRS
Eckerd College	19	FL	Southeast	FR	QRS
Emory University	6	GA	Southeast	ILS	QRS
Fordham University	20	NY	New York	BLS	Ambulance Transport
Franklin and Marshall College	4	PA	Pennsylvania	BLS	QRS
Georgetown University	12	DC	Mid Atlantic	BLS	Ambulance Transport
Harvard University	17	MA	Massachusetts	BLS	QRS
Hobart and William Smith Colleges	1	NY	New York	BLS	QRS
Indiana University - Bloomington	2	IN	Midwest	BLS	QRS
<i>John Carroll University</i>	5	<i>OH</i>	<i>Midwest</i>	<i>BLS</i>	<i>QRS</i>
Johns Hopkins University	6	MD	Mid Atlantic	BLS	QRS
Juniata College	6	PA	Pennsylvania	BLS	QRS
<i>Lehigh University</i>	6	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
Loyola Marymount University	7	CA	West	BLS	QRS
Massachusetts Institute of Technology	14	MA	Massachusetts	BLS	Ambulance Transport
McMaster University	20	ON	Canada	BLS	Non-Emergent Transport
Mount Holyoke College	4	MA	Massachusetts	BLS	QRS
Muhlenberg College	13	PA	Pennsylvania	BLS	QRS
Northeastern University	4	MA	Massachusetts	Startup	
Paul Smith's College	5	NY	New York	Startup	
<i>Pennsylvania State University</i>	1	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS/ALS</i>	<i>Ambulance Transport</i>
Radford University	3	VA	Mid-Atlantic	BLS	QRS
Rensselaer Polytechnic Institute	13	NY	New York	BLS	Ambulance Transport
Rochester Institute of Technology	36	NY	New York	BLS	Ambulance Transport
Rowan University	11	NJ	Northeast	BLS	Ambulance Transport
Rutgers University	1	NJ	Northeast	BLS	Ambulance Transport
Saint Anselm College	8	NH	Northern New England	BLS	QRS
Saint Michael's College	4	VT	Northern New England	ILS	Ambulance Transport
Santa Clara University	12	CA	West	BLS	QRS
St. Lawrence University	4	NY	New York	BLS	QRS

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>
Skidmore College	6	NY	New York	BLS	QRS
<i>Stockton College</i>	6	<i>NJ</i>	<i>Northeast</i>	<i>BLS</i>	<i>QRS</i>
SUNY Albany	12	NY	New York	BLS	Ambulance Transport
SUNY College at Cortland	9	NY	New York	BLS	QRS
SUNY Geneseo	6	NY	New York	BLS	QRS
SUNY Oneonta	17	NY	New York	BLS	QRS
<i>SUNY Oswego</i>	6	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
SUNY Potsdam	6	NY	New York	BLS	QRS
Syracuse University	7	NY	New York	BLS	Ambulance Transport
Temple University	16	PA	Pennsylvania	BLS	QRS
Texas A&M University	12	TX	Central	ALS	Ambulance Transport
The College of New Jersey	4	NJ	Northeast	BLS	QRS
The George Washington University	29	DC	Mid Atlantic	BLS	Ambulance Transport
Tufts University	9	MA	Massachusetts	BLS	Non-Emergent Transport
University of Arizona	6	AZ	Central	BLS	QRS
University of California-Los Angeles	10	CA	West	BLS	Ambulance Transport
<i>University of Chicago</i>	6	<i>IL</i>	<i>North Central</i>	<i>FR</i>	<i>Event Standby</i>
University of Dayton	12	OH	Midwest	BLS	Ambulance Transport
University of Delaware	48	DE	Mid Atlantic	BLS	Ambulance Transport
University of Florida	6	FL	Southeast	BLS	QRS
University of Guelph	10	ON	Canada	BLS	QRS
<i>University of Il. at Chicago</i>	5	<i>IL</i>	<i>North Central</i>	<i>BLS</i>	<i>QRS</i>
University of Il. at Urbana-Champaign	18	IL	North Central	BLS	Event Standby
University of Iowa	6	IA	North Central	EDU	Education
University of Massachusetts Amherst	24	MA	Massachusetts	BLS	Event Standby
University of Massachusetts Lowell	8	MA	Massachusetts	BLS	QRS
University of New England	14	ME	Northern New England	BLS	QRS
University of New Hampshire	10	NH	Northern New England	ALS	Ambulance Transport
University of New Haven	3	CT	Northeast	BLS	QRS
University of New Mexico	2	NM	Central	BLS	QRS
<i>University of Pennsylvania</i>	32	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
University of Pittsburgh	21	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	39	RI	Northeast	BLS	Ambulance Transport
University of Richmond	10	VA	Mid Atlantic	BLS	QRS
University of Rochester	12	NY	New York	BLS	QRS
University of San Francisco	3	CA	West	BLS	QRS
University of the West Indies	8		Rest of World	ILS	Ambulance Transport
University of Vermont	10	VT	Northern New England	ALS	Ambulance Transport
University of Western Ontario	13	ON	Canada	FR	QRS
University of Windsor	2	ON	Canada	BLS	QRS
Ursinus College	8	PA	Pennsylvania	BLS	QRS
Utica College	4	NY	New York	BLS	QRS
Vassar College	10	NY	New York	BLS	Non-Emergent Transport
Villanova University	18	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Polytechnic Institute	17	VA	Mid Atlantic	BLS/ALS	Ambulance Transport
Wake Forest University	26	NC	Southeast	BLS	QRS
Washington University - St. Louis	8	MO	Central	BLS	QRS
<i>West Chester University of PA</i>	7	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
Western Carolina University	4	NC	Southeast	BLS	Ambulance Transport
Worcester Polytechnic Institute	2	MA	Massachusetts	FR	QRS
<i>Yale University</i>	4	<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*

Mezzanine Foyer

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

 **Pediatric Vital Signs and EKGs: So Adorably Difficult**

Independence A

Mary Kate Shanahan

How do I keep this 3 year old from ripping off his oxygen saturation probe? Is this 2 month old with a blood pressure of 75/38 in shock? Why does some of my EKG look upside down? If this teenage girl rolls her eyes at me one more time... Come learn some tricks of the trade for pediatric vital sign/EKG taking and troubleshooting from someone who does it for a living. Everything is much easier during a pediatric emergency if we as EMTs are able to help sooth and calm upset infants, children, and parents. Please bring your best imagination and silly voices for this interactive presentation.

 **We are More than Just College EMTs: Changing Health Policy** *Freedom G*

Shivangi Goel

As collegiate EMS members we have the ability to have a significant positive impact on our community in more ways than just as healthcare providers. We can inspire and educate the younger generation to take matters of life and health into their own hands. Save a Life, Save a Heart is a collegiate EMS-founded public health education initiative that provides free CPR and BLS skills training to public institutions. We will discuss ways for collegiate EMS members to become involved in the health education of their own communities, leading to greater public awareness of the importance of CPR through effective marketing and lobbying. Since over 85% of cardiac incidents happen at home and effective bystander CPR can increase the chance of survival after a cardiac event by 300%, every individual should have access to CPR training. We have the resources to educate individuals of all ages and can change the way our communities view health education by promoting changes to health education policy.

 **Challenges of Language Barriers in the Prehospital Setting** *Freedom E*

Patrick S. Finnegan

The cultural diversity of university campuses and surrounding response areas have many benefits to enhance student-life and campus-life experiences. Cultural diversity may also present challenges with the delivery of care in the prehospital setting. One such challenge may be language barriers. This presentation's goal is to start a conversation to recognize the challenges of interacting with patients that have difficulty communicating with prehospital providers. Participants will be introduced to standards, expectations, and scenarios regarding language barriers and will be invited to share their experiences and challenges from their campus environment with other collegiate EMS providers.

 **Causes and Consequences of Sleep Deficiency**

Phila. North

Nicole Nahmod

The lifestyles of night-shift workers, healthcare providers, and college students influence sleep quality and duration. Insufficient sleep impairs multiple physiological systems, leading to poor short and long-term health outcomes, including deficits in cognitive function, impaired metabolism, and an increased risk of cardiovascular disease. This lecture will discuss the effects of sleep behavior on cardio-metabolic health and cognition.

 **A Focus Beyond Collegiate EMS**

Freedom F

Dan Johnson

For those pursuing a career in medicine, collegiate EMS can be an excellent springboard - but perhaps not how you might think. The alphabet soup of EMS and the knowledge you acquire will be useful; but the playing field will be leveled quickly. You will slowly begin to realize there is much more to medicine than just medicine. The foundation of a career in medicine revolves around strong clinical practice, leadership, and education - the building blocks of each easily found within your organization. This session will provide insight on how to tailor your clinical practice, begin to integrate the science and art of medicine, and become noticed as future leaders and educators in medicine.

 **Debriefing with Good Judgement**

Phila. South

Joseph Lalor, AEMT

Derived from the advocacy and inquiry model of debriefing, this Q&A style discussion will engage the audience to challenge its preconceived notions on what education and debriefing means to them in collegiate EMS. This lecture will help guide collegiate EMS leaders to develop evidence based training practices at their agency. From probie to field training officer, this lecture will help provide a framework to adequately debrief anything from simple training cases to the call-gone-awry.

 **Ambo, Box, Squad, Bus, Buggy, Truck - What to buy?**

Independence C/D

Daniel Burke, NRP

Choosing the right vehicle for your organization. No matter what you call your vehicle(s) or what level of service you provide, eventually you will need to replace aging equipment (or maybe even buy your first). In college EMS we are often found in unique financial and clinical situations, which means we often have unique

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vehicle needs. This session will help you and your organization make an educated choice on how to go about designing a new vehicle, when to buy, and brainstorming ideas to finance the purchase with the ever increasing costs of new emergency vehicles.

✿Technology in Today's EMS

Independence B

Keith Chason, AEMT-CC

Technology is everywhere. Most of us carry laptops and smart phones, but do we utilize the tech-savviness of our members, and can it make our operations more efficient? Join Keith as we highlight the uses, benefits and hindrances of adapting to our increasingly connected world as we strive toward high quality and efficient patient care. Can we take the familiarization of social media and email and use that to automate reporting, share information and transition our agency to today's world of Tweets and Snapchats? Can we use information we gather to file for grants, or prove the need for a new ambulance or flycar? Come learn about different ways you can supplement the operations of your agency and how you may be able to do it for free! Topics covered include ePCRs, scheduling, mobile resources, record keeping, public relations and how we can use each of these to work with our partner agencies, hospitals and dispatch centers.

☺Community Paramedicine: New Frontier of Prehospital Care *Freedom H*

Matthew Myers, NRP

Prehospital care is all about responding to 911 calls. Not anymore! Community Paramedic Programs are starting to emerge throughout the country with multiple purposes. We will go over the basic models of Community Paramedic Programs, how to start a Community Paramedic Program, training requirements as well as reimbursement platforms for this new side of prehospital Care. We will also look into the future of prehospital Care and how Community Paramedic Programs will continue to start in an effort to improve healthcare in the United States. Finally we will look at an urban and a rural Community Paramedic Program to compare the different environments for start up programs.

Physio-Control EMS Skills Classic Review

Salon 3/4

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.

Roundtable: Startup

Salon 5/6

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.

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

✿Scene Safety in the Higher Education Environment

Independence A

Daniel Maas, CEM, EMT-B

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.

✿“Dude! I thought you had it!”

Freedom G

Safer Ambulance Stretcher Operation

Hank Fackovec, NRP

This lecture will explore the educational, institutional, and operator shortcomings and failures that lead to wheeled stretcher accidents. By understanding the shortcomings of current equipment and systems, as well as the physical laws that act on stretchers, and lack of EMTs embracing a culture of safety we can make the transportation of patients safer for our patients, and EMTs. This lecture will present research from various national and international sources, video evidence and offer easy, implementable solutions to a problem that has plagued EMS since its inception.

☺EMS Beyond the Street: Donation and Transplantation

Freedom E

Brittany Lyons, CPTC

Managing a critical patient can be one of the most difficult calls for an EMS provider to handle, especially when that patient does not survive his or her hospital admission. The EMS provider's work with the critical patient can save lives even if it is not the life of the patient in their ambulance. These patients that do not survive their illness or injury can, at times, go on to donation, with aggressive management, family centered care, and careful allocation. Learn how this process happens and how the EMS provider is a key partner.

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I Got Rhythms: Rhythm Disturbances and EKGs for EMTs *Phila. North* *Mark Forgues, MED, NRP*

Rhythm disturbances are a common cause of calls to EMS; tachycardia and bradycardia can cause weakness and dizziness. Other rhythms can be lethal. 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.

NASCAR On-Track EMS *Freedom F* *Laura Hanson, MA, NREMT*

The National Association for Stock Car Auto Racing (NASCAR) is a premier motorsports organization, with over 1,200 sanctioned races internationally. EMS response during NASCAR must be tailored to the unique conditions faced during these events. This lecture will provide an introduction to NASCAR event weekends and language, discuss on-track response procedures, race car familiarization, vehicle extrication, and special concerns related to NASCAR EMS.

The Rescue Task Force Concept and Introduction to TECC *Phila. South* *Alvin Wang, DO, FAAEM, NREMT-P*

In this lecture, Dr. Wang will provide an overview of the rescue task force concept and concepts of integrating EMS into the police response to an active shooter situation. He will introduce concepts of Tactical Emergency Casualty Care for use by EMTs and Paramedics who are not detailed to full-time tactical teams and discuss strategies for advocating for your campus EMS service and patients.

ICS Isn't Working for You?...Let's Fix It! *Independence C/D* *J. Dominic Singh, NRP*

Everyone trains on the incident command system (remember those NIMS classes?) but few truly embrace the tools it offers. Are you using it at your pre-planned events, and if so how is it working for you? Many agencies view ICS as a necessary evil but it should be your closest ally. This lecture will review some EMS-centric ICS principles, show some examples of where you can/should use it, and then offer ideas on how you can design your ICS structure and documentation to best serve the needs of your agency and service population.

Code Black: A Review of ED Overcrowding *Independence B* *Brandon Azoulai, EMT, CIC*

The new TV show on CBS, Code Black, is a graphic and dramatic representation of life in an ER. However, it brings to light a serious problem in the US healthcare system: Emergency Department overcrowding. As an EMS provider you are likely to experience the effects of this if you are diverted or have extended off-load times, but what is really causing this problem? It is not necessarily the ED's fault, and understanding the full scope of what's going on will help you empathize with ED employees and continue to work with them, especially when things get tense. This course will explain the cause of ED overcrowding, ways to quantitatively measure it and discuss what hospitals across the country are doing to mitigate the problem.

"There's a hole in the bucket" - EMS Finance 101 *Freedom H* *Kenneth Davidson, EMT-P*

An industry leader once referred to the idea of a bucket of money from which EMS agencies have to distribute funds. This interactive presentation will further explore that concept and illustrate both the ins and outs of funding and finance while running an EMS agency. Come prepared to interact and have some fun, you never know you may even learn a thing or two.

Roundtable Discussion: *Salon 3/4* I <3 EMS, Now What?!? Turn Your Passion into a Paycheck

Joshua E. Glick, MD and Jennifer D. Shoemaker, MSN, CRNP
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. In addition to discussing the pre-med path and transition to medical school, 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.

Skills Lab: Megacode Resuscitation *Logan I* *Benjamin Lawner, DO, MS, EMT-P, FACEP*

This interactive scenario session will review the physiology of sudden cardiac arrest and the resuscitative treatment algorithm. The therapeutic effects of resuscitation drugs and defibrillation will be discussed as

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well as the importance of teamwork and uninterrupted CPR. Participants will resuscitate “Annie” as a team and learn how preparation and practice can benefit their patients.

Roundtable: Training

Salon 5/6

Gabe Gan, Lex Martin, RN, and Zachary Matuzsan, NCEMSF Regional Coordinators

For this roundtable discussion, NCEMSF Leadership will moderate conversations addressing training issues on college campuses. Discussion will revolve around building an EMS training program that is effective, long lasting, and influential. Learn from each other how to develop curriculum, train on-scene, and create a standardized training module.

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

❖Emergency Management: It's More Than Just ICS

Independence A

Daniel Maas, CEM, EMT-B

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.

⚡Efficacy of Lights and Sirens in Emergency Services

Freedom G

Timothy Anastas, MS

Ambulance accidents represent the highest cause of death in the line of duty among Emergency EMTs and paramedics and poses significant risk to firefighters and law enforcement personnel. In 2012, only seven more firefighters were killed in fire ground operations than were killed in accidents while responding. Given how dangerous this practice is to patients and providers, is the current use of lights and sirens proper and effective? Based on case studies and the most conclusive research on the subject, several recommendations will be made with the goal of reducing the use of lights and sirens. In order to accomplish this, a decision making model based on several existing EMD systems will be discussed.

📺YouTube Trauma: Lessons Learned from Idiots

Freedom E

Charles Warner, RN, PHRN, NREMT-P

Let's take a look at our favorite stupid stunts from YouTube and evaluate the trauma those homemade movie stars received. We will learn from their poor judgment as we watch videos such as jumping off a roof onto a trampoline. Explore the ALS and BLS trauma care for various injury patterns.

🏠Sudden Death in Young Athletes

Phila. North

Kenneth Navarro, MD

The possibility that young physically fit athletes may be susceptible to sudden cardiac death seems counterintuitive. Nevertheless, such catastrophes occur, usually in the absence of prior symptoms and have considerable emotional and social impact. This presentation will examine this issue in detail and provide EMS with useful information for helping to reduce the incidence of sudden death in the young athletes within their local communities.

🐾First Response for the Four Legged Patient

Freedom F

Kaylin Stinski, BA

There has been a steady rise of campus housing allowing pets larger than a hamster or fish to stay in the dorms with their human counterparts. First responders already have the technical knowledge on how to assess and treat human patients that are suffering from a medical or traumatic injury; those skills can be applied to the animal patient to improve their survivability once they reach veterinary care. First responders have the ability to positively increase an animal's outcome. The skills reviewed in this session will provide animals with care they would otherwise not receive in the field and also build a relationship with the patient who deeply cares for their pet and the community as a whole. This session will provide responders with information on: how to approach, restrain, and assess injured animals; common animal emergencies on campus from pot and alcohol toxicity to dorm fires; and first aid essentials using the tools you already carry, and how to apply them to animal patients.

👁It's All in the Eyes:

Phila. South

Abnormal Ophthalmologic Findings and Interpretation

Josh Glick, MD

Often breezed over during a physical exam, a slightly more focused ophthalmologic exam can provide additional information regarding a patient's condition, underlying medical problems, and suggest certain diagnoses. This lecture will be a cases-based review of various ophthalmologic findings (movements, colors, shapes) and what pathology they may suggest.

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◆“What the @#\$ Am I Supposed To Do With That?!”

Independence C/D

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

The world of body modifications and fetishes can sure be a wild one. While some extreme practices prove to be rare, one never knows when they will come across some far out practices. Will it change your care? Do you leave it in or take it out? How do you remove it if you need to? This EXTREMELY GRAPHIC session looks at some of the obstacles that you may come across, even in places you would never expect them, and how to handle them.

✿Can't Help If You Don't Know: Top Campus Healthcare Issues

Independence B

Rebecca Valentine

Going to college can be such a rewarding but stressful experience. This talk spotlights some of the hidden healthcare issues on campus that expose students to situations which not only impact their studies but also quality of life. Struggling in silence, rather than being labeled in some way, many of these students never receive the help they need.

❖Get Better at Getting Better: Improving Trainings, Drills, and Exercises

Freedom H

Robert Cohen, MPA

Amateurs train until they get it right; professionals train until they don't get it wrong. Trainings, drills, and large exercises are hugely beneficial to collegiate EMS agencies, and all emergency services departments. Learning to develop professional learning objectives and scenarios will improve agency and campus readiness, increase agency involvement in campus and community emergency planning efforts, and make a positive impression on members, students, and university leaders. It's important to make sure that trainings and exercises are realistic, practical, and memorable learning opportunities for EMS providers. This presentation will introduce professional emergency exercise development, and offer tips to improve trainings, drills, and exercises for collegiate EMS providers, leaders, and educators.

Skills Lab: Is it a STEMI?

Salon 10

Mark Forgues, MEd, NRP

We will look at 12-lead EKGs to discover the tell tale signs of an MI. Note: this is an introduction to the field and is NOT all inclusive. It is hoped that this will be a spring board to further research into the area of EKGs for the novice.

Roundtable: The Papal Visit - A CBEMS Perspective

Salon 3/4

*Ryan M. Hay, RN, NCEMSF Pennsylvania Regional Coordinator and
Philadelphia Area Campus Based EMS Leaders*

During this roundtable, Ryan will moderate a discussion about preparations for the 2015 Papal Visit to Philadelphia, the role campus EMS played and the lessons learned and how those can translate to planning for other large scale events in your locale. Share your experiences with planning events in which you have collaborated with other agencies outside your campus.

Roundtable: Administrator/Advisor/Medical Director

Salon 5/6

*Michael S. Wiederhold, MD, MPH, NCEMSF Treasurer, and
Mark E. Milliron, MS, MPA, Moderators*

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.

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

❖From Managing Emergencies to Emergency Management

Independence A

Robert Cohen, MPA

This will present two case studies: first, New York City's response to Winter Storm Jonas, particularly focusing on impacts to EMS and the health sector, and second, the response and short term recovery efforts from an MCI building explosion in Manhattan in March, 2015. Each case looks at how emergency management concepts were applied well and how emergency managers can improve. Collegiate EMS can benefit from methodically expanding responsibilities beyond going on calls (managing an emergency) to include campus-wide emergency planning, hazard mitigation, recovery and improvement strategies, and preventive health outreach. This presentation encourages collegiate EMS providers and agency leaders to reconsider their agency's roles in emergency management, and provides examples and suggestions for implementing new responsibilities.

✿Seat Belts, We Don't Need No Stnkin' Seat Belts

Freedom G

Mark Forgues, MEd, NRP

The National Highway Safety Administration's Office of EMS (NHTSA EMS) estimates that there will be about 4,500 ambulance crashes this year. NHTSA EMS has also determined that 84% of EMS providers were not

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restrained in the patient compartment during transport, yet this average approaches 100% in the front of the truck. These data also show that in a crash, without seat belt use, injury severity more than triples and fatalities double. So why don't providers wear seat belts? A small portion of this is attitude, but the author contends that a much greater reason is that the design of present-day ambulances does not allow providers to render care and remain seated and secure. This presentation will review the present day situation and utilizing videos of an actual (fatal) ambulance crash as well as crash-test and operation videos. We will cover injury areas in the back-of-the-truck and efforts that can be made to reduce them now. It will conclude with an attempt to reduce these hazards by introducing a new ambulance design from the Massachusetts Institute of Technology EMS. Full design specs will be available.

Resuscitation Roundtable 2015: Articles You've Got to Know! *Freedom E* **Benjamin Lawner, DO, MS, EMT-P, FACEP**

Emergency medical services is a fast moving field. Prehospital providers make regular contributions to the resuscitation literature, and it is important to stay abreast of emerging trends. Take the whirlwind tour through some of the most exciting articles of 2015 and see how the latest trends may impact your prehospital practice. Dr. Lawner will discuss high yield topics such as cardiac arrest resuscitation, airway management, and trauma care.

Bad Bugs: Antibiotic Resistant Bacteria **Kenneth Navarro, MD**

Phila. North

Drug-resistant bacteria are widespread and are beginning to appear in ambulances and on common EMS equipment. Because healthcare providers often are unfamiliar with the characteristics of these bacteria, many public health officials expect their numbers to grow. Once infected, eradication is very difficult and complicated. Prehospital care providers must understand how to protect themselves and their patients from contamination.

Keep Calm and Master the Airway **Jonathan Detweiler, NRP, FP-C**

Freedom F

The fundamentals of airway management are the crucial building blocks for any successful patient interaction. This lecture will cover the range of airway control alternatives from basic interventions through advanced management. Participants will be challenged to view airway management as a continuum of interventions with a diversity of tools and options available to today's prehospital clinicians.

Ebola to Zika: **Emerging Pandemic and Travel-Related Infectious Diseases** **Michael T. Hilton, MD, MPH**

Phila. South

This lecture will discuss pandemic and travel-related illnesses that the campus-based EMS provider may come across on a college campus. From emerging pathogens such as Zika virus and Ebola to historical pandemics such as SARS, we will discuss the modes of transmission, presentation, diagnosis, treatment and prevention of these illnesses. College students may be at risk of acquiring these illnesses through travel to foreign countries on vacation, visiting family and friends and through service trips and studying abroad.

"You're bleeding from where?!" **Benjamin N. Abo, DO, EMT-P, FAWM**

Independence C/D

Granted that all bleeding stops sooner or later, all can agree that it is best if it stops before exsanguination. This lecture will review the pathophysiology, recognition, and treatment of a variety of types of bleeding and shock, whether it be from a natural orifice or a "man-made leak". Geographic locations of bleeding sites discussed will include Aruba, the ears, oropharynx, GI tract, and more.

It's All In Your Head: Depression on Campus **Rebecca Valentine**

Independence B

In this session, we defy the stigma of mental health issues by talking openly about clinical depression and increasing our understanding of this disease from personal and professional levels. Clinical depression can happen as a single event in someone's life or can be a life-long struggle (especially if not treated or treated incorrectly). We will discuss the subtle and atypical signs a patient may exhibit while in the midst of a clinical depressive episode.

Vasoactive and Hypertensive Medications in EMS **Glenn Oettinger, PharmD, BCPS**

Freedom H

Vasopressors and IV antihypertensives are two serious classes of drugs. Vasopressors induce vasoconstriction and elevate mean arterial pressure (MAP). Vasopressors are distinct from inotropes, which increase cardiac contractility. However, many medications have both vasopressor and inotropic properties. Although many vasopressors have been in use for over 50 years, few well-controlled studies have compared these medications or demonstrated improved outcomes due to their use. Thus, the circumstances in which these agents are typically applied are mostly rooted in expert opinion and monitoring of surrogate end-points, like tissue oxygenation, as predictors for reduced morbidity and mortality. Hypertensive emergency is present

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when severe hypertension is associated with acute end-organ damage. Immediate but careful reduction in blood pressure is typically indicated in these settings, but understanding the medications used to accomplish this goal is critical. Too much of a hypotensive response is potentially detrimental, leading to ischemic consequences such as stroke or myocardial infarction. This discussion will focus on the fundamental properties and clinical application of vasopressors and antihypertensives in the emergency acute care setting.

Skills Lab: First Response for the Four Legged Patient

Logan I

Kaylin Stinski

This hands on session will allow the participant to apply the skills learned from the lecture presented on First Response for the Four Legged Patient. The first part of this section will focus on specific cases and breakdown specific interventions the first responder can provide. Restraint, bandaging techniques, and CPR will be reviewed and practiced. Advanced techniques will also be discussed such as venous access and intubation.

Roundtable: Building an Alumni Network

Salon 5/6

Joshua E. Glick, MD, NCEMSF Alumni Coordinator and Brandon Murphy

This discussion will focus on sharing ideas to lay the foundation for and build an alumni organization after graduation. Keeping collegiate EMS members in touch far beyond the graduation date is just as important for the group as building the EMS organization in itself. Be prepared to share ideas, generate suggestions and learn from other alumni in what works and what doesn't when it comes to laying the groundwork for a successful alumni group.

12:40 pm - 1:40 pm *Final Plenary Session*

Liberty A/B

Introduction

George J. Koenig, Jr, DO, NCEMSF President

Nothing is Out of Bounds

There are no limits to what you can achieve. In this short-form lecture series, you will learn solutions and techniques that will challenge you to think different as you confront obstacles. Ben Lawner will tell you how he continues to follow his passion of EMS and incorporate it into his career despite the obstacles. Ben Abo will share his international journey and commitment to bettering humanity. Scott Savett will discuss how to communicating with people that just don't get it. George Koenig will conclude with thoughts on leadership and challenge you to redefine your perceptions of leadership.

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

Liberty 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*.

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 2016 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.

Welcome to the City of Brotherly Love! Coming Early? Staying Late?

For those spending some extra time in Philadelphia, either pre- or post-conference, below are a few of the many attractions in and around the city - for more ideas visit: www.visitphilly.com

Independence National Historical Park

Here's where you'll find Independence Hall, the Liberty Bell, Carpenter's Hall (where the First Continental Congress met in 1774), the New Hall Military Museum, and many other historical buildings. To tour Independence Hall, you must have tickets. Tickets are free at the Visitor's Center, located at 6th and Market Streets across from the park. Park Rangers can answer your questions and help you plan your tour.

National Constitution Center

Located on the third block of Independence Mall, the Center tells the story of the US Constitution through more than 100 interactive and multimedia exhibits, photographs, sculpture, text, film and artifacts.

Fireman's Hall

Located on the site of Engine Company Number Eight, a descendent of the Union Fire Company, which was founded by Ben Franklin in 1736, Fireman's Hall is dedicated to the art and science of firefighting through the last three centuries. The centerpieces are surely the antique fire trucks scattered throughout the museum, including early hand- and horse-drawn engines. The museum is operated by the Philadelphia Fire Department, whose members serve as docents and offer warm hospitality and enthusiastic explanations of the memorabilia housed there.

Mütter Museum

The College of Physicians of Philadelphia houses the Mütter Museum of pathological anatomy, begun by Dr. Thomas Dent Mütter, a professor of surgery at Jefferson Medical College. Before his retirement, Dr. Mütter had amassed a unique and valuable collection of anatomical and pathological materials for use in his classes, which became the first collection for the museum. In 1871, the

College began collecting obsolete medical instruments as well. These constitute the major part of the museum's acquisitions - items reflecting changes in technology of medicine and memorabilia of practitioners.

Philadelphia Museum of Art

One of the premiere art museums in the world! It is a Philadelphia icon and a must see for any art lover.

Franklin Institute Science Museum

The Franklin Institute offers exciting hands-on, interactive access to science and technology in ways that would both amaze and delight Doctor Benjamin Franklin. The Institute includes the Fels Planetarium and Tuttleman IMAX Theater.

Academy of Natural Sciences of Drexel University

Includes four floors of exhibitions and activities centering on the environment and its diverse species that will educate and entertain visitors of all ages. Pet a snake or hissing cockroach, learn about the importance of water, and much more.

National Museum of American Jewish History

The only museum dedicated to chronicling the American Jewish experience.

Independence Seaport Museum

The museum focuses on the maritime history of the Port of Philadelphia and the Delaware River. See also Admiral Dewey's flagship cruiser USS Olympia and WWII submarine USS Becuna.

Philadelphia Zoo

America's first zoo is home to more than 1,800 animals. Dedicated to conservation, education and recreation, the zoo offers a wide range of wildlife experiences.

Getting Around Philadelphia / Important Contact Information

The Sheraton Hotel is located in the heart of the city, and you should be able to walk to most places easily. If you drove to the conference, park your vehicle until you are ready to depart. We recommend walking (just be sure to walk in groups and stay in well-lit areas) or a taking a taxi/UBER. (NOTE: valet-parking at the Sheraton Hotel for NCEMSF overnight guests is \$20/day [regularly \$38]. The Philadelphia Parking Authority [PPA - of Parking Wars fame] lot across the street from the hotel offers even cheaper weekend rates.

Philadelphia is laid out on a north-south/east-west grid, dating back to the original plans of William Penn in 1682. The main corridors are Market Street which runs east-west and Broad Street (the equivalent of 14th Street) which runs north-south. The intersection of Broad and Market is City Hall. Numbered streets all run north-south; the further east you go, the lower the number (except that instead of "1st Street, they start with Front Street, followed by 2nd Street) up through 23rd Street where Market Street crosses the Schuylkill River. Most of the east-west streets below Market have tree names (Chestnut, Walnut, Locust, Spruce and Pine, then Lombard and South); above Market, the main streets are Arch, Race and Vine. "Center City" stretches from the Delaware River (east) to the Schuylkill River (west) and from Vine Street to South Street.

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, call to arrange a pickup or simply use UBER. A flat rate (\$28.50) applies if you are traveling to/from the airport. Amtrak's Philadelphia 30th Street Station is a short cab or train ride from the host facility too. Southeastern PA Transit Authority's (SEPTA) Regional Rail Suburban Station is only a couple blocks from the host hotel. SEPTA also operates plethora of bus routes throughout the city.

Host Facility:

Sheraton Philadelphia Downtown Hotel
201 North 17th Street, Philadelphia, PA 19103

(215) 448-2000

NCEMSF

(877) NCEMSF-1 [877-623-6731]

Lunch and Dinner Options

After a full morning, take a break to refuel, but hurry back because the afternoon is even more jam packed! With an hour for lunch, we recommend the Food Court at the Shops at Liberty Place (1625 Chestnut Street) or the Market and Shops at Comcast Center (17th and JFK) or, for a more authentic Philadelphia experience, one of the stands at the Reading Terminal Market (12th and Filbert Streets). Food trucks in the area are another great option as are the plethora of eating establishments within a few block radius of the hotel.

For dinner, we encourage you to venture out of the hotel and grab a bite around Philly - Philly is a great restaurant town, explore something new, it is sure to please! There are far too many places, even in the immediate walking vicinity, to list here - the following are only a few suggestions. Walk a few blocks South to Chestnut or Walnut Streets or East past independence Hall to Old City and you will find an abundance of options both on the main streets and cross streets. Whatever you choose for dinner though, make certain to return to the Sheraton and join the party at the **NCMSF Club & Casino!**

Hotel Area

Animo Juice and Burrito Bar
1701 Arch Street
(267) 519-0949

Asia on the Parkway
17th and Ben Franklin Parkway
(215) 988-9889

Chima Brazilian Steakhouse
1901 JFK Blvd
(215) 525-3233

City Tap House Logan Square
2 Logan Square
(215) 587-9040

Con Murphy's Irish Pub
1700 Ben Franklin Parkway
(267) 687-1128

Corner Bakery
1701 Market Street
(215) 569-2533

DOMA - Japanese/Korean Sushi
1822 Callowhill Street
(215) 564-1114

GYU-KAKU - Japanese BBQ
1901 Callowhill Street
(215) 603-9482

King of Tandoor
1824 Callowhill Street
(215) 568-0750

Kite & Key Tavern
1836 Callowhill Street
(215) 568-1818

Marathon Grill
121 S. 16th Street
(215) 569-3278

Subway
1701 Ben Franklin Parkway
(215) 568-7676

Tir Na Nog
16th and Arch Streets
(267) 514-1700

Convention Center Area

Chilis
1239 Filbert Street
(215) 569-0850

Fogo de Chao
1337 Chestnut Street
(215) 636-9700

IHOP
1320 Walnut Street
(215) 732-1726

Hard Rock Café
1113 Market Street
(215) 238-1000

Maggiano's Little Italy
1201 Filbert Street
(215) 567-2020

McCormick & Schmick's
1 S Broad Street
(215) 568-6888

Melting Pot
1219 Filbert Street
(215) 922-7002

Olive Garden
1346 Chestnut Street
(215) 546-7950

Other Local Pubs

Fergie's Pub
1214 Sansom Street
(215) 928-8118

Field House
1125 Filbert Street
(215) 629-1520

Irish Pub
2007 Walnut Street
(215) 568-5603

McGillin's Old Ale House
1310 Drury Lane
(215) 735-5562

Moriarty's
1116 Walnut Street
(215) 627-7676

Chinatown

Imperial Inn
146 N. 10th Street
(215) 627-5588

Penang
117 N 10th Street
(215) 413-2531

Sang Kee Peking Duck House
238 N. 9th Street
(215) 925-7532

Vietnam
221 North 11th Street
(215) 592-1163

Local Pizza

Rex Pizza
1526 Race Street
(215) 557-9555

Zesto Pizza
(267) 292-2255

Night Clubs

Coda
1712 Walnut Street
(267) 639-4630

G Lounge
111 S 17th Street
(215) 564-1515

Whisper Club
1712 Walnut Street
(267) 414-3101

Entertainment

Helium Comedy Club
2031 Sansom Street
(215) 496-9001

Howl at the Moon
258 S 15th Street
(215) 546-4695

Lucky Strikes Lanes & Lounge
1336 Chestnut Street
(215) 545-2471

North Bowl
909 N 2nd Street
(215) 238-2695

Yakitori Boy (Karaoke)
213 N 11th Street
(215) 923-8088

Movie Theaters

Philadelphia Film Society Roxy
2023 Sansom Street

Ritz Five - 214 Walnut St
Ritz East - 125 S 2nd St
Ritz Bourse - 400 Ranstead St

University City Penn 6
4012 Walnut Street

UA Riverview Stadium
1400 S Delaware Ave
(Consider Engine 46 Steak House next door for dinner)

Philly is a Sports Town:



Best of Philly 2015

(Philadelphia Magazine)

Bagel: South Street Bagels

BBQ: Fette Sau

Beer Bar: Fountain Porter

Beer Store: Hawthornes Cafe

Brewpub: Tired Hands

Brunch: Amis

Burger: Blue Duck

Cheap Eats: Tony's Baltimore

Grill

Cheesesteak: Philly's Finest

Sambonis

Chicken Wings: Cheu Noodle

Bar

Chinese: Ting Wong

Comfort Food: The Dandelion

Counter Dining: Serpico

Deli: Ben & Irv's

Dumplings: Terakawa Ramen

Fast Noodles: Noodles and Co

Food Truck: The Tot Cart

Fried Chicken: Percy Street

Fries: Crab fries at Varga Bar

Grilled Cheese: Milkhouse

Hoagie: Turkey Diablo @ Primo

Hot Dog: Hot Diggity

Ice Cream: Big Gay Ice Cream

Indian: Saffron

Italian: Brigantessa

Meatballs: Triangle Tavern

Mexican: Blue Corn

Nightly Menu: Pumpkin

One-Bowl Meal: Bing Bing Dim

Sum

Pasta: Osteria

Pizza: Square Pie

Potato Skins: Franky Bradley's

Quick Serve Dinner: Buena

Onda

Restaurant for Groups: Gyu-

Kaku

Salad: Sweetgreen

Sports Bar: Xfinity Live

Stromboli: Angelino's

Tacos: Mole Poblano

Vegan: V Street

Waffles: Yummy Yummy

Philadelphia is famous for many things, among them its characteristic foods - cheese steaks (steak, cheese, and bread - if only it were that simple), hoagies (a.k.a. hero, poor boy, submarine - Don't ever call a hoagie a "sub" unless you want to get dirty looks. What distinguishes a good hoagie? It's the roll!), scrapple (you don't really want to know), soft pretzels, TastyKakes, and water ice (Italian ice).

Cheese Steaks

Hoagies

Sarcone's Deli
743 S. 9th Street

One of America's largest and oldest public markets, housed since 1893 in a National Historic Landmark Building, the Market offers incredible selection of farm fresh groceries. The market is home to nearly 80 independently-owned small businesses representing a great diversity of nationalities...Be sure to sample the tempting variety of dining choices including local specialties and international delights...***Fresh & Local Every Day!***

A Great place for lunch!...It is one of the world's greatest food courts...It's a must-see, must-smell, must-taste "historical, geographical, and cultural experience... " (Zagat)



Presenter Bios

Benjamin Abella, MD, MPhil

Dr. Abella is the Clinical Research Director of the Center for Resuscitation Science and Vice Chair for Research in the Department of Emergency Medicine at the University of Pennsylvania. He attended medical school at Johns Hopkins School of Medicine, then completed residencies in both internal medicine and emergency medicine at the University of Chicago. His research work has focused on cardiac arrest, CPR and post-arrest care, with research funding from the National Institutes of Health, American Heart Association and other sources. He has authored over 130 published works on topics related to cardiac arrest, and his research has been featured on CNN and the Today Show, among other media outlets.

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 19 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 finishing as EM resident at Mount Sinai Medical Center in Miami Beach & Ryder Trauma Center. On top of providing medical direction for various EMS programs and fire rescue services, Ben is excited to start an EMS fellowship at UF Gainesville this July. Ben is also the president and founder of U.R.G.E.N.T. (www.URGENT-Aid.org), and the executive director of iSES (International Institute of Sustainability in Emergency Services). Clinically beyond residency, Ben remains active with FL-5 DMAT disaster team, Miami Dade Fire Rescue & Miami Beach Fire Rescue, and Burke County Emergency Services in North Carolina. Ben is also the very proud recipient of NCEMSF 2013 EMS Provider of the Year for Heroism & Valor, and looks forward to NCEMSF each and every year.

David Adler, NRP

A former United States Army combat medic, David Adler is a decorated police sergeant with 23 years of service. He has held leadership positions in various and diverse venues, including the US Army, police patrol divisions, SWAT, and a multi-jurisdictional narcotics task force. He has served as both a SWAT officer and as the lead tactical paramedic for his department's SWAT team. David holds a degree in emergency and disaster management and is a nationally registered paramedic. He is currently employed as a sergeant by a large police department in the Philadelphia area. Additionally, David runs a consulting and training firm focused on active shooter preparation, emergency management, and healthcare security. He has taught civilian, police and military medical personnel at all levels.

Carl Alsup, MD

Carl Alsup is an emergency medicine physician completing his ultrasound fellowship training this year at Thomas Jefferson University Hospital. He completed his emergency medicine residency at Kings County/SUNY Downstate in Brooklyn, NY. He previously worked as an EMT in Boston and completed medical school at the University of Southern California. His interests include wilderness medicine, critical care, and ice climbing.

Timothy Anastas, MS

Mr. Anastas is a part time EMS educator and full time fire fighter. He has worked in Private EMS prior to joining the fire service. He earned his Masters Degree in Healthcare Emergency Management and BA in International Relations from Boston University. He is also a Massachusetts EMS Instructor/Coordinator and EMT

Alexander Arriaga, MD, MPH, ScD

Alex Arriaga is an attending anesthesiologist for the University of Pennsylvania Health System. He completed his undergraduate studies at Columbia University in 2002, where he served as Director of the Columbia University Emergency Medical Service/CAVA. He graduated from medical school with

Honors in Research from Cornell University. He completed two years of categorical general surgery residency at Thomas Jefferson University Hospital. He has a Master of Public Health and Doctor of Science degrees from the Harvard University. He finished his clinical residency in anesthesiology at the Brigham and Women's Hospital. His academic interests include health services research in patient safety and quality improvement with a focus on the fields of surgery, anesthesiology, and perioperative care.

Brandon Azoulai, EMT, CIC

Brandon is a recent alumnus of Binghamton University, State University of New York (SUNY), with a BS in Integrative Neuroscience. As a member of Harpur's Ferry Volunteer Ambulance Service, Brandon ultimately served as the Deputy Director and First Assistant Chief. Aside from Harpur's Ferry Brandon also served for over two years as the Treasurer of the Board of Directors of the Susquehanna Regional EMS Council and as a Certified Instructor Coordinator (CIC) of record at the BLS level. Brandon is currently pursuing a Master of Health Administration at the University of Scranton and works for United Health Services (UHS) as a Systems Analyst and Project Manager. At UHS, Brandon focuses on software implementation and process redesign for patient throughput improvement.

Guy Barber, MPH

Guy Barber is the Director of the JeffSTAT Critical Care Transport Program. In this role he has oversight of the JeffSTAT transport program, Transfer Center, and the EMS Training Program. Guy received his Bachelors degree in EMS Systems Management from The George Washington University and completed his MPH from the Johns Hopkins School of Public Health. Guy has been a Nationally Registered Paramedic for 20 years and has worked actively in the field of transport medicine throughout that time.

Alec Beekley, MD, FACS

Dr. Beekley completed undergraduate training at the United States Military Academy and medical school at Case Western Reserve University before completing General Surgery Internship and Residency on Active Duty at Madigan Army Medical Center. He is a veteran of three deployments to Afghanistan and Iraq in support of Operations Enduring and Iraqi Freedom. He has studied and written extensively on the care of combat casualties and maintains active trauma, acute care surgery, bariatric surgery, and general surgery practice.

Brett Biebelberg

Brett Biebelberg is an EMT and BLS instructor with particular interest in emergency management of incidents including active shooter situations. He rides regularly with the Springfield First Aid Squad, his hometown volunteer EMS, where he has previously been responsible for training new members as the Cadet Corps Leader. In addition to 911 runs, Brett staffs large-scale events on land and water including the Boston Marathon and the Head of the Charles Regatta. He has also been a consultant on emergency management and crisis planning for businesses, schools, and summer camps.

William Brady, MD

Dr. William Brady is a Professor of Emergency Medicine at the University of Virginia in Charlottesville, VA. Dr. Brady attended the University of Virginia and graduated with a BA in History in 1984. He then attended medical school at the Medical College of Virginia (MCV). He completed residency training in internal medicine (MCV; 1991) and in emergency medicine (Medical College of Wisconsin; 1994). At the University, he chairs the Medical Emergency Response Committee, is the medical director for the Rapid Response Team, as well as the emergency preparedness and response medical director. He is also the operational medical director of several area EMS agencies including Albemarle County Fire Rescue and Madison County EMS. He has authored nearly 400 scholarly articles and authored or edited 17 textbooks on various emergency medicine related topics. He is the recipient of numerous teaching awards, including the ACEP National Faculty Teaching Award and the David A. Harrison III Distinguished Educator Award.

Presenter Bios

Benjamin Braslow, MD

Dr. Braslow is a graduate of Haverford College and Jefferson Medical College. He completed his general surgical residency at Thomas Jefferson University Hospital and finished a Trauma/Surgical Critical Care fellowship at University of Pennsylvania. Currently he is an Associate Professor of Surgery in the Division of Trauma, Surgical Critical Care and Emergency General Surgery at the University of Pennsylvania and is Section Chief of Emergency General Surgery.

H. Bucky Buchanan

Chief Buchanan is currently the Operations Chief with Clinton First Aid and Rescue Squad in Central NJ. He also holds the position of State Staging Officer and the Incident Management Team Leader with the NJ EMS Task Force's Incident Advance Team. Bucky recently served as one of the Managers for the NJ/PA Regional EMS Multi-Agency Coordination Center in support of the 2015 Papal Visit and World Meeting of Families.

Daniel Burke, NRP

Dan is a recent graduate of Franklin and Marshall College in Lancaster, PA, where he served as a Lieutenant, Captain, and the Director of Operations. Since graduation, Dan has obtained his paramedic certification and is on track toward a second degree in nursing. Dan continues to volunteer as a supervisor with Franklin and Marshall EMS in addition to chairing their successful committee on new vehicle purchase. Dan also continues to function as a paramedic with Lancaster EMS and a Volunteer Lieutenant in Baltimore County, MD at Hereford EMS.

Susan Burnett, MS, EMT-P

Susan Burnett is a Community Health Graduate student at SUNY Cortland and a Senior Paramedic for Rural Metro Medical Services of Central New York. Over the past 14 years, she has served as a field training officer, flight paramedic, training director, dispatcher, and guest lecturer and lab instructor for paramedic students.

Joseph Bushra, MD

A lifelong native of the Philadelphia area, Dr. Bushra practices emergency medicine in a busy suburban ED with active cardiac, stroke and trauma programs. He has been a volunteer with Narberth Ambulance since 2005, especially involved in EMS education.

Frank Caria, MPA, CHC, AEMT

Frank has served in various roles 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 completing his Bachelor's Degree from Muhlenberg College. He currently works as an Executive Corporate Compliance Officer for the New York City Health and Hospitals Corporation Office of Corporate Compliance covering 2 large urban hospital acute care facilities with associated school based programs and community clinics. He obtained his National Certification in Healthcare Compliance and is an active member of the American College of Healthcare Executives- Healthcare Leaders of NY Chapter. He is the founder of Muhlenberg College's EMS program, est. 1999. He also continues to practice as a New York State Advanced Emergency Medical Technician-Critical Care and has served in EMS for close to 20 years.

Brendan G. Carr, MD, MA, MS

Brendan Carr is the Director of the Emergency Care Coordination Center (ECCC) in the US Department of Health and Human Services. The ECCC is located within the Office of the Assistant Secretary for Preparedness and Response and is charged with leading the United States Government's efforts to create an emergency care system that is patient- and community-centered, integrated into the broader healthcare system, high quality, and prepared to respond in times of public health emergencies. Dr. Carr completed residency in emergency medicine and fellowship in trauma and surgical critical care at the University of Pennsylvania. Dr. Carr

received post-fellowship health policy research training as a part of the Robert Wood Johnson Foundation's Clinical Scholars Program. He has received federal research grant funding, authored more than 100 peer reviewed manuscripts, and remains clinically active seeing patients in the emergency department while serving as the director of the ECCC.

Salim Chahin, MD, MSCE

Dr. Chahin completed medical school at Damascus University School of Medicine and completed a residency in neurology at the University of Iowa, during which he also served as chief resident. He subsequently completed a fellowship in Multiple Sclerosis and a Masters in Clinical Epidemiology at the University of Pennsylvania. Dr. Chahin's clinical interests are in MS and other central nervous system auto-immune and demyelinating conditions. His research interests include developing novel markers for MS to better understand the progressive phase of the disease. His work focuses on the visual system and its association with changes in disability, his work also focuses on understanding and finding better treatment options for fatigue and cognitive impairment in Multiple Sclerosis.

Keith Chason, AEMT-CC

Keith attended Binghamton University where he joined Harpur's Ferry, serving as the agency's IT Coordinator and later the Chief and Executive Director. Since graduation, he's been working as an EMT and Dispatcher at Superior Ambulance, as well as a Systems Analyst for United Health Services. He has written various web systems and mobile applications for EMS systems and hospitals.

Robert Cohen, MPA

Robert Cohen began in emergency services as a volunteer firefighter in Katonah, NY in 2006, and became an EMT in 2008 at Binghamton University, while pursuing a degree in political science and then a master's degree in public administration. He was an active member of Harpur's Ferry Student Volunteer Ambulance Service, and coordinated medical response and support at several large events and the 2011 Tropical Storm Lee flooding. Robert has worked and volunteered in EMS, public health emergency preparedness, community outreach and networking, and emergency management. He now works for the New York City Office of Emergency Management (NYC OEM) in the Training, Exercises, and Evaluation Division, and serves as the Public Health and Medical Services Coordinator for NYC OEM during large emergencies, including winter storms, building explosions, a Legionnaires' disease outbreak, and heat wave power outages. He has designed and conducted numerous trainings, exercises, and after-action report processes, and regularly presents on local government and non-profit agency roles in emergency management.

John-Paul Couce, NRP

JP is a graduate student at Harvard University studying international healthcare economics. He is a lecturer at Northeastern University and an instructor of Emergency Cardiovascular Care at Boston Medical Center and Beth Israel Deaconess Medical Center. Furthermore, he works as a researcher in the Center for Resuscitation Science at Beth Israel Deaconess Medical Center and the Department of Cardiology at Boston Children's Hospital. With his remaining time, John-Paul can be found in the field as a paramedic in Greater Boston.

Robert Curran

Robert Curran has been an EMT in New York since 1992. He was a member of Brooklyn College EMS. He has presented and published original CPR research and published numerous articles in EMS/Emergency Medicine journals. He currently serves as chapter president of Sudden Cardiac Arrest Association-New York City.

Jena Curtis, MA, EdD

Jena Nicols Curtis is an Associate Professor of Health at the State University of New York College at Cortland. For the past

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twenty years, she has developed programs and conducted research to reduce sexual violence on college campuses. She is also an Advisory Board Member of the SUNY Cortland EMS team.

Kenneth Davidson, EMT-P

Ken's strong commitment to EMS is demonstrated by the longevity of his involvement with Second Alarmers Rescue Squad, where he began his career in 1992. Since that time, he has served in both volunteer and career capacities.

While studying Emergency Medical Services Management at Hahnemann University, Ken worked as a provider for Event Medical Services, and as the Director of Personnel for Acute Care Ambulance Service. After graduating in 1998 with a Bachelor's degree, Ken founded and operated EMS Plus, Inc. which he successfully ran until 2001, when he returned to 911 EMS and decided to rejoin SARS as a full-time career paramedic. Currently, Ken is responsible for operational and personnel aspects of the department, serving as the Career Assistant Chief. He also serves as the medical element leader of SARS Tactical Medical Support Team and is a member of the Montgomery County Major Incident Support Team. Ken is a respected public speaker and presents both locally and nationally on a variety of topics, recently focusing on response to violent trauma and tactical EMS. He holds numerous certifications related to emergency services both as a provider and as an instructor, and was recently appointed to Affiliate Faculty by the NAEMT providing oversight locally for PHTLS and TCCC programs.

Jonathan Detweiler, NRP, FP-C

Jon has served in a variety of public safety roles throughout southeastern Pennsylvania for over two decades. With an education focused on EMS Management, he has had the opportunity to lead and manage everything from small community departments through large hospital-based programs. He is currently active as a flight paramedic and TQM/QA Coordinator for Jefferson Health's JeffSTAT Critical Care Flight Program. In his downtime, he teaches a range of programs for Montgomery County EMS Training Institute and serves as a Tactical Medical Operator for the Montgomery County SWAT Central Team.

Amy Eisenhauer

Amy Eisenhauer has been an EMT in New Jersey for over 19 years, working in both career and volunteer roles. She is an educator and training officer for a local EMS agency. She hosts a blog on EMS at TheEMSSiren.com, which engages providers and works toward improving the EMS community as a whole.

Hank Fackovec, NRP

Hank Fackovec has had a long and wide-ranging career in Emergency Medical Services. Beginning in 1979 as an EMT with a volunteer ambulance service, Hank progressed to working many years as a NYC-EMS paramedic in the South Bronx. He later served as a systems engineer designing and building local, state, and federal radio communications systems. Hank presently owns and operates Eastern Ambulance Service in Woburn, Massachusetts. He has deployed to multiple federal disasters as an Ambulance Task Force leader under FEMA. He is also a co-lead instructor and technical consultant to MIT-EMS.

Patrick S. Finnegan

Patrick Finnegan is a medical student at Ohio University Heritage College of Osteopathic Medicine. While a student, he is employed part-time by Meigs County Emergency Medical Services (Meigs County, Ohio). An undergraduate alumni of Case Western Reserve University, he served as the Assistant Chief for CaseEMS. He received a BA in Anthropology and Chemistry.

Elliot Fisch

Mr. Fisch's career began as Assistant Corporate Controller and Director of Financial Planning for Fuqua Industries, Inc., a Fortune 500 company, and Assistant Controller of S&A Restaurant Corporation. Mr. Fisch has experience as director of

sales for a distribution company and has also served as a partner and CFO of an advertising agency and owned a media sales company. Prior to founding AED Now and Atrus, Mr. Fisch was an investment advisor for Morgan Stanley. He is presently the CEO of Atrus. Mr. Fisch received his MBA (Finance) and BBA (Accounting) from Georgia State University.

Mark Forgues, MEd, NRP

Mark Forgues 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.

Nicole Fox, MD, MPH, FACS

Nicole Fox is a trauma surgeon and intensivist at Cooper University Hospital. She is the Medical Director of the Pediatric Trauma Center at Cooper and the Medical Director of the Clinical Documentation Improvement Program. Dr. Fox received her medical degree from UMDNJ (now Rutgers) New Jersey Medical School along with a master's in public health/health administration from the Rutgers School of Public Health. She trained in general surgery at Christiana Care where she served as administrative chief resident. She completed her fellowship training in surgical critical care at Cooper University Hospital. Dr. Fox has specific interests in pediatric trauma, health administration, performance improvement and patient safety.

Eric M. Garrison, MAEd, MSc

As a current Assistant Director of Health Promotion at William & Mary, Eric also served the historic university as its sexual assault prevention specialist for five years and as the instructor for its first course in masculinity studies. Over the past twenty-nine years, Eric has trained EMS providers, police, firefighters, doctors, medical students, Greek Letter Organizations, and college athletic teams from around the corner to around the globe -- from Oxford, Mississippi, to Oxford University. As a world-renowned author and sexologist (both clinical and forensic), Eric also presents on sexuality and healthful relationships to countless universities with NCEMSF membership. Because of his outstanding reputation as a dynamic speaker and his consistently high evaluations with our attendees, Eric is back for two more sessions this year at his twelfth consecutive NCEMSF conference. Should you see him around the hotel or the City of Brotherly Love, please introduce yourself; he loves hearing from our members. You also can find out more about him or invite him to speak at your university and crew through www.ericmgarrison.com.

Shivangi Goel

Shivangi is a student at MIT studying Biology and Political Science and has been an EMT for over 4 years. Shivangi started a public health initiative in Boston, called Save a Life, Save a Heart, which provides free CPR and BLS skills training to public institutions.

Christian Grant, NRP, FP-C

Christian Grant is a graduate of Northeastern University, earning his BS in Chemistry in 2014. He was the Director of NUEMS for 3 years and currently works as a Paramedic for Worcester EMS and Lawrence General Hospital EMS. Christian has been working full time in EMS for six years, four of those serving as a paramedic. Christian hopes to one day become an Emergency Room Physician.

Christopher Greb, NRP

Christopher has been a firefighter and EMS provider for 20 years in Eastern Pennsylvania. In his current role as Operations Manager of the Macungie Ambulance Corps, he is responsible for oversight of all aspects of a 3,500 call per year Advanced Life Support Ambulance service. He is also an acting

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supervisor at the Lehigh County 911 communications center, an Assistant Chief of two local fire companies and an adjunct instructor for both the Lehigh Carbon Community College and a local level instructor for the Pennsylvania State Fire Academy. He holds certifications as a Pro-board Fire Officer II, Fire Instructor I, Fire and Life Safety Educator I, PA EMS Instructor, American Heart Association CPR and ACLS instructor.

Robert Guilday, MD

Dr. Guilday completed his undergraduate at University of Notre Dame, IN. He then graduated from Jefferson Medical College, Philadelphia, PA and completed his surgical residency at Lankenau Hospital, Wynnewood, PA. He completed subspecialty training in Surgical Oncology at UMDNJ, Newark, NJ. He has been the Assistant Burn Director at Crozer Burn Center since 1999.

Michael Guttenberg, DO, FACEP, FACOEP

Michael Guttenberg is an Assistant Professor of Emergency Medicine at the Hofstra Northwell Health School of Medicine and the former Chairman of Emergency Medicine at North Shore Forest Hills Hospital in New York City. He currently serves as the Medical Director at the Center for Emergency Medical Services-Northwell Health System (formerly North Shore LIJ Health System), the largest hospital based EMS provider in the Northeast. In addition, he is the Medical Director for Clinical Preparedness for the health system's Emergency Management Program. 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 for the 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.

Laura Hanson, MA, NREMT

Laura Hanson became involved in collegiate EMS as Founding Chief of Operations of the University of Arizona EMS from 2011-2012. She received a BS in Physiology in 2012, and an MA in Biomedical Sciences from Midwestern University in 2015. Laura currently works full-time as an EMT for Southwest Ambulance in Tucson, Arizona and part-time as a reserve EMT for the Arizona Department of Public Safety Air Rescue in Phoenix, Arizona.

Gary Hecker, RN, CCRN, AEMT, CIC

Gary has almost 30 years of experience in EMS, including paid and volunteer positions in the NYC 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 almost 25 years. Currently he is an Assistant Director of Nursing Education at NYC Health and Hospitals/Metropolitan

Dan Johnson

Dan is currently a 4th-year medical student at the Lake Erie College of Osteopathic Medicine pursuing a residency in Emergency Medicine. He graduated from Penn State University in 2011, with a BS in Biology and is an alumnus of Penn State EMS. There he worked as an EMT and Paramedic, served as the Logistics Officer for Special Events, Operations Supervisor and an Assistant Instructor for Penn State's EMS training program.

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 and levels of severity. She is currently the faculty advisor to the campus chapter of Best Buddies and provides support to students on campus with learning differences.

Joseph Lalor, AEMT

Joseph Lalor is an AEMT-CC and Medical Simulation Technician working at the Patient Safety Institute for the North Shore-LIJ Health System. His career in healthcare began with the Stony Brook Volunteer Ambulance Corps, where he served as Training Officer. He earned his Bachelors of Science in Health Sciences with a concentration in Emergency Critical Care at Stony Brook University. Joe is currently an EMS educator at the Emergency Medical Institute and member of the Society for Simulation in Healthcare.

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

Tim is a pharmacist currently working with Electronic Health Records across the country. He has 40 years experience in EMS and is currently an Ohio instructor.

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.

Raymond Lovell

Raymond Lovell became an EMT-Basic and joined the University of Rhode Island Emergency Medical Services in 2008. Raymond furthered his education by obtaining his EMT-Cardiac license in 2011, and has now nearly completed a Paramedic program. He has extensive experience in campus, municipal, and private EMS, working for two towns and two private ambulance companies. Raymond currently serves as the Vice Commander at URI EMS and works in private security.

Jeffrey Lubin, MD, MPH

Dr. Lubin began his career in EMS at the collegiate level with Cornell University Emergency Medical Service. Over the last two decades, he has been a member of, medical director for, or otherwise a part of more than two dozen different EMS/Critical Care Transport agencies. He is currently the Division Chief for Prehospital and Transport Medicine at the Penn State Milton S. Hershey Medical Center and the Director of the EMS Fellowship training program. Dr. Lubin has published dozens of articles in peer-reviewed Emergency Medicine and EMS journals and has presented many times at local, regional, state, and national conferences on a variety of Emergency Medicine and EMS-related topics.

Brittany Lyons, CPTC

Brittany has been a Procurement Transplant Coordinator for Gift of Life Donor Program since 2010. Prior to working in the transplant field, she was a paramedic, field training officer and EMS instructor in Delaware and Pennsylvania.

Daniel Maas, CEM, EMT-B

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 27

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years and is a member of the Central New York Medical Reserve Corps. Dan has been recognized as a Certified Emergency Manager by the International Association of Emergency Managers.

Niels D. Martin, MD, FACS, FCCM

Niels Martin is the Section Chief of Surgical Critical Care, Program Director for the Surgical Critical Care Fellowship training program, and an Assistant Professor in the Department of Surgery at the University of Pennsylvania Perelman School of Medicine. He is also the Medical Director of the Trauma and Surgical Intensive Care Unit at the Penn Presbyterian Medical Center. Dr. Martin is a board-certified in both Surgery and Surgical Critical Care. He is a Fellow of the American College of Surgeons and a Fellow of the American College of Critical Care Medicine. He received his undergraduate degree from Rutgers University and his MD from the Rutgers' Robert Wood Johnson Medical School. He then completed a General Surgery Residency at Thomas Jefferson University Hospital and a fellowship in Traumatology and Surgical Critical Care at the Hospital of the University of Pennsylvania.

Gregory McDonald, DO

Gregory McDonald graduated from the Philadelphia College of Osteopathic Medicine in 1989. He went on to complete a residency in anatomic pathology at the Lankenau Hospital, followed by a forensic pathology fellowship at the University of Pennsylvania and the Medical Examiner's office in Philadelphia, Pennsylvania. After completion of this fellowship he served for 14 years as an assistant medical examiner in Philadelphia. Dr. McDonald is currently a Professor and Chairman of the Department of Forensic Medicine and Pathology at the Philadelphia College of Osteopathic Medicine. His work at PCOM also includes serving as the medical director of the Department of Physician Assistant Studies and the program director of the master's degree program in Forensic Medicine. Dr. McDonald has been the recipient of multiple awards for outstanding teaching. Dr. McDonald is also the Chief Deputy Coroner of Montgomery County Pennsylvania. He has served as the Vice Chairman and Chairman of the American Osteopathic Board of Pathology, where he also is the Chairman of the subcommittee on Forensic Pathology. He is a member of the American College of Osteopathic Pathologists and the American Osteopathic Association. Certified in both anatomic pathology and forensic pathology, he has completed over 7000 autopsies and has testified in over 700 court cases.

Crawford Mechem, MD, MS

Dr. Mechem is a Professor of Emergency Medicine at the Perelman School of Medicine at the University of Pennsylvania, where he is also Division Head of Emergency Medical Services. Since 1998, he has served as the EMS Medical Director for the Philadelphia Fire Department. He is also the Philadelphia Regional EMS Medical Director. He has published extensively in emergency medicine and EMS. His areas of interest include mass gathering medical coverage, emergency response to terrorist and lone wolf incidents, and tactical EMS. He worked as a tactical physician for fifteen years.

Mark E. Milliron, MS, MPA, MHS

Mark Milliron 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.

Shawn Miner

Shawn Miner joined the University of Rhode Island Emergency Medical Services in 2010 and became a licensed EMT-Basic in 2011. Aside from EMS, Shawn has experience in Student Affairs, Event Management, and Facility Operations. Shawn has experience in both collegiate and private EMS. Shawn currently serves as the Captain of Administration and Personnel at URI EMS and works in Operations and Events at the Student Union.

Lucian Mirra, MEd, NRP, FP-C

Lucian was first certified as an EMT at age 16. He simultaneously completed his paramedic certification while pursuing a BA in Political Science from Christopher Newport University, graduating in 2009. During college, he progressed from EMT to ALS provider to FTO to EMS Lieutenant as a volunteer in Isle of Wight County, VA. After college, he worked several years as a career firefighter/paramedic in the Washington, DC metro area while continuing to teach EMS classes. Following an injury, he returned to higher education and completed a Master of Education degree from the University of Virginia's Curry School of Education in 2014. He is currently certified as a Nationally Registered Paramedic, Certified Flight Paramedic (FP-C), Virginia EMS Education Coordinator, Fire Officer II, as well as holding various other instructor endorsements in other disciplines. He is currently the Associate Director of Safety and Emergency Preparedness and Emergency Manager at the University of Virginia. He maintains active practice as a paramedic and EMS instructor in the Charlottesville area.

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 at 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 Vice-Chair of Emergency Medicine at St. John's Episcopal Hospital and an Assistant Professor of Emergency Medicine at the Hofstra North Shore-LIJ School of Medicine. He teaches a graduate level course entitled "Critical Decisions in Public Health Emergencies" at Hofstra's School of Health Sciences and Human Services where he is an Adjunct Assistant Professor of Public Health.

Brandon Murphy

A New Jersey native, Brandon is a graduate of the University of Arizona and Co-Founder/Ex-Chief of University of Arizona EMS. The last seven years he has worked in EMS for volunteer and paid departments. From building a student run EMS organization from the ground up to creating a viable alumni organization, his passion for emergency services has been continuous. He is interested in networking with other EMS alumni groups to discuss what does and does not work.

Matthew Myers, NRP

Matt Myers is the Coordinator of the Community Paramedic Program at Evangelical Community Hospital in Lewisburg, PA. He has been involved in EMS for 5 years. Matt graduated from the University of Pittsburgh in 2015 with a Bachelor's Degree in Emergency Medicine. Matt also works for Americus Hose Company in Sunbury, PA as a paramedic. Matt is currently pursuing an MBA through Liberty University with the intentions of going to Medical School in the future.

Nicole Nahmod

Nikki graduated from the Penn State in May of 2015. During her undergraduate career, Nikki was an EMT and officer for the Penn State University Ambulance Service. She is currently a sleep researcher for Penn State, with a primary interest in investigating the health outcomes of sleep deficiency.

Kenneth Navarro, MD

Kenny is an Assistant Professor in the Emergency Medicine Department at the University of Texas Southwestern Medical School. He coordinates continuing education activities for BioTel, a multi-jurisdictional EMS system. Kenny serves as a Content Consultant for the AHA Guidelines 2010 and 2015 ACLS Project Team, the Coordinator for the National EMS Education Standards Project, an expert writer for the National EMS Education Standards Implementation Team, and on two education subcommittees for NIH-funded research projects.

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Glenn Oettinger, PharmD, BCPS

Glenn Oettinger is an emergency medicine pharmacy specialist and Clinical Assistant Professor at Thomas Jefferson University and Hospital. Along with his clinical and teaching responsibilities in emergency medicine therapeutics, Glenn has research interests focused in thromboembolic and infectious emergencies. He has authored several publications on these and other topics in peer reviewed journals, textbooks, and other professional references.

Mark Pinchalk, MS, EMT-P

Mark Pinchalk is the Patient Care Coordinator for City of Pittsburgh EMS. He has been involved in EMS for over 30 years and has an extensive background in special operations, research and education. He serves as a Tactical Medic for Pittsburgh EMS/SWAT and as 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.

Zachary Wilmer Reichenbach, MD, PhD

Zachary Reichenbach grew up in Allentown, PA where he volunteered with Cetrionia Ambulance Corps. Inspired by his brother, Kenneth, a Nurse Practitioner, Zachary also sought to pursue a career in healthcare. He attended Temple University where he earned a Degree in Biology with Distinction and completed both the Honors and Medical Scholars Program. While at Temple University, he founded and served as Director of Temple University Emergency Medical Services for 8 years. Enjoying research as much as clinical practice, Zachary completed the MD/PhD program at the Lewis Katz School of Medicine at Temple University. He earned a PhD in Physiology focusing on the effects of cannabinoids on neuroinflammation. Zachary is now a resident physician in the Department of Internal Medicine at Temple University Hospital.

Gates Richards, MEd, FAWM, WEMT-I

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

Stu Rosenhaus, EMT, 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.

John Roussis, NRP, FP-C, CMTE

John Roussis is President of Event Medical Staffing Solutions, "The Nations Leading Provider of Event Medical Services." He is a graduate of Thomas Jefferson University Paramedic Program, and has over 20 years of experience in pre-hospital EMS, critical care ground and air transportation, and EMS education. John has a special interest in mass gathering events, and has led and assisted with medical operations for events such as the Philadelphia Papal Visit, Philadelphia Marathon, Philadelphia Half Marathon, Philadelphia Pro Cycling

Championships, Fire Fly and Big Barrel Music Festivals, and Warrior Dash. John also worked as a team paramedic for the Philadelphia Phillies, and has traveled throughout the United States and Canada coordinating mass gathering events.

Aaron Saguil, MD, MPH, FAAPF

Aaron Saguil serves as the Associate Dean for Recruitment and Admissions at the Uniformed Services University of the Health Sciences F. Edward Hebert School of Medicine—America's Medical School—in Bethesda, Maryland. Dr. Saguil is an Associate Professor of Family Medicine and is on the faculty of the Fort Belvoir Community Hospital Family Medicine Residency. Dr. Saguil received his BA in Chemistry from Duke University and his MD from the University of Florida College of Medicine. After completing his residency at DeWitt Army Community Hospital in Fort Belvoir, Virginia, he has been stationed in Grafenwoehr, Germany; Fort Lewis, Washington; and Fort Gordon, Georgia. He has deployed to Afghanistan and served as the Chief of Primary Care for the NATO Role 3 Multinational Medical Unit in Kandahar, Afghanistan. His actions in theater were recognized with the Bronze Star and the Canadian Chief of Defence Staff Commendation.

Mary Kate Shanahan

After graduating with a degree in medical biology from the University of New England in 2015, Mary Kate (MK) accepted a clinical position at Boston Children's Hospital. As part of the cardiology team, MK uses her EMT and pediatric behavioral health experience to provide physicians the important information they need to make proper diagnoses, all while keeping the children (and parents) calm and happy. Outside of work, MK helps instruct EMT classes and loves to play with her therapy dog named Scout.

J. Dominic Singh, NRP

Dominic has been active in EMS for 19 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 for the Amherst Fire Department. Other past employment includes private, nonprofit, and municipal based agencies. He also serves as the current staff advisor to UMass Amherst EMS and as the Clinical Supervisor to Spencer EMS. Mr. Singh has been active in EMS education and incident/event planning for most of his career.

Kaylin Stinski

Starting in veterinary medicine nine years ago, Kaylin soon expanded her knowledge to the world of EMS and has been an EMT for the past four years. The experience in both fields has not only allowed her to apply skills and techniques from one side to the other, but has expanded and deepened her passion for patient care and advocacy. While attending her undergrad at Arizona State University she developed her skills with Student Emergency Medical Services. Currently, she's pursuing a Master's degree in public health through The George Washington University.

Matthew Streger, Esq.

Matthew is a Partner with the law firm of Keavney and Streger in Princeton, New Jersey. Matthew focuses his practice on the needs of healthcare providers and agencies, specifically in EMS. His practice includes administrative and licensure matters, civil litigation, criminal defense, hospital privilege matters and fair hearings, reimbursement issues and regulatory compliance. Matthew started his career as a volunteer EMT in Bergen County, New Jersey, in 1986. Since then he has worked in a wide variety of systems and departments in New Jersey, New York, South Carolina and Ohio. He has served as the Executive Director of Mobile Health Services at Robert Wood Johnson University Hospital in New Brunswick, New Jersey, as the Deputy Commissioner of EMS for the City of Cleveland (OH) and the Director of Disaster Preparedness at St. Vincent Charity Hospital in Cleveland (OH). Matthew holds a Bachelor of Arts in Public Administration from the City University of New York, John Jay College of Criminal Justice, a Master of Public Administration Degree from Clemson University, and a JD from Seton Hall University School of Law.

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Benjamin R. Usatch, MD, NREMT-P

Ben Usatch is a graduate of the Jefferson Medical College. He completed a residency in the Drexel/MCP Emergency Medicine Program. He currently serves as Deputy Department Chief, working as a part of the Main Line Health System in the Lankenau Hospital Emergency Department. He has been working in EMS for 35 years and currently serves as the Montgomery County Pennsylvania regional medical director as well as the medical director for numerous 911 and transport agencies as well as several training institutes. He is a regular speaker both regionally and nationally on current issues relevant to EMS.

Rebecca Valentine

Becky Valentine is an energetic speaker, specializing in transforming tough problems into uncomplicated solutions. Formally trained in working with patients with mental health issues, she feels its time to openly bring to the table and discuss issues that EMS providers may face on the job or in life. Becky always brings a unique perspective into her lectures and feels that increasing knowledge makes for better providers and educators. She has many years of experience working with the mentally ill, developmentally delayed, autistic and dually diagnosed adults, as an EMS provider and educator at all levels of EMS.

Cathleen Vandenbraak, MBA/MHA, CEN, CCRN

Cathleen Vandenbraak has been a registered nurse for over 20 years. Prior to becoming a RN, she was a paramedic. Cathleen has worked in emergency, critical care, high-risk obstetrics and transport. Currently she is the Nurse Clinical Education Coordinator for JeffSTAT.

Alvin Wang, DO, FAAEM, NREMT-P

Dr. Wang is an Assistant Professor of Clinical Emergency Medicine at the University of Pennsylvania. He is the medical director for the University of Pennsylvania MERT. Alvin became an EMT at the age of 16 and was actively involved with Penn State EMS, serving as their training officer. After graduating with a degree in Civil and Environmental Engineering and completing his paramedic training, he attended medical school at the Philadelphia College of Osteopathic Medicine. He is board certified by the American Board of Emergency Medicine and Diplomate of the American Academy of Emergency Medicine. In the prehospital arena, Dr. Wang has worked in rural, urban, and suburban settings as a NREMT-P and a critical care helicopter flight paramedic. Alvin also serves as the Deputy Regional Medical Director for Montgomery County Department of Public Safety, Narberth Ambulance, and as a federal medical officer for the PA-4 Disaster Management Assistance Team. He also serves as an embedded medical director and SWAT medic for the Bucks County South SWAT team. His clinical interests include difficult airway management, tactical/austere medicine, critical care transport, mass-gathering EMS, and international disaster medical relief. He has traveled extensively and has led medical student service-learning trips to Ghana, Malawi, Nicaragua, and Panama.

Charles Warner, RN, PHRN, NREMT-P

Charley has been in EMS for 11 years. He received his BS in Emergency Medicine from Pitt in 2012 and his BSN from Pitt in 2013. Currently he is working as a flight paramedic for STAT MedEvac, as well as a Clinical Instructor and DNP student at University of Pittsburgh School of Nursing. Charley is the past president of the Pitt SEMS club and current assistant chief of Foxwall EMS in Pittsburgh, PA.

Leonard Weiss, MD

Dr. Weiss is an emergency physician in the Department of Emergency Medicine at the University of Pittsburgh Medical Center. He is currently a fellow in the Division of Emergency Medical Services specializing in pre-hospital care. Dr. Weiss has been in the department for 4 years now, completing his residency training at University of Pittsburgh. His MD was earned at Indiana University. Currently, Dr. Weiss works as an attending emergency physician at UPMC Mercy, as well as serves as a flight physician with STAT Medevac and Medical Command physician for UPMC Prehospital Care and the City of Pittsburgh EMS. Dr. Weiss's roots began as a first responder at Indiana University, in their collegiate EMS, IU-EMS.

Jim Wilmerding, MS, MEd, EMT-CP

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.

Ernest Yeh, MD, FAAEM

Dr. Yeh is a Associate Professor of Clinical Emergency Medicine at the Lewis Katz School of Medicine at Temple University and is the Chief of the Division of EMS within the Department of Emergency Medicine. He is the medical director for Temple University EMS. He serves as the Temple University Hospital Emergency Preparedness Committee Chair and is also the Program Medical Director for the Temple Transport Team. He attended the Lewis Katz School of Medicine at Temple University and completed his emergency medicine residency as well as an EMS fellowship at the Medical College of Pennsylvania. He has been on faculty at Temple since 2002.

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

Roshni Desai

Roshni is a senior at Santa Clara University studying Public Health Science and Political Science. She has been an EMT with Santa Clara University's EMS Squad for three years and served as the Events Coordinator during the 2014-2015 school year. After graduation, she hopes to work in healthcare consulting. During her free time, she enjoys going on adventures and trips with friends, exploring new cities, and is a huge foodie.

Devin P. Dromgoole

Devin is a junior Biological Science major at Rowan University and has been in EMS for over two years. Devin is a Field Training Officer at Rowan University EMS and was a leader behind planning and organizing the Hands-Only CPR sessions that earned Rowan University EMS the NCEMSF HEARTSafe Campus award in 2014. Aside from Rowan EMS, Devin volunteers for Magnolia Ambulance Corps in Magnolia, NJ and serves as a Camp Medical Officer for the Boy Scouts of America. Devin hopes to attend medical school after graduation and pursue a career as a physician.

Christopher Eyestone

Chris is a third year student at Virginia Tech with an academic focus in Agricultural Economics, International Studies, and Spanish. Chris serves as the Chief of the Virginia Tech Rescue Squad. Chris also serves as the CEO for the COINS Investment Team; COINS is a unique professional organization that affords students hands-on experience in commodity futures markets through market analysis, trading, and portfolio management. Chris is excited to further his academic and extracurricular endeavors by exploring passions in EMS, agricultural policy, and government affairs. He hopes to work toward creating solutions that relate to feeding a rapidly growing world population.

Katherine Goldsmith

Katherine is a senior at Wellesley College pursuing a double major in Biological Sciences and Classical Studies. She is cross-registered as a student at MIT and serves as an Executive Board member, Crew Chief, and Director of Professional Development for MIT-EMS. She has also served as the Training Officer for MIT EMS. When in New York, Katherine serves the Town of North Castle FD as an EMT, Badge #223. She is also a four-year varsity athlete on Wellesley's Varsity Soccer team, and was appointed captain, team MVP, Conference and Regional Defensive Player of the Week, and NEWMAC all-conference goalkeeper.

Simon Gunter

Simon is a sophomore at Washington University in St. Louis's Olin Business School pursuing a degree in finance with minors in biomedical physics and biology. Dividing his time between being the fundraising chair for the WashU Emergency Support Team and participating in research at the WashU School of Medicine, Simon is also involved in Greek-life and a professional business fraternity. His interests range from caring for patients to understanding the commercialization of biomedical innovation.

Marianne Meyers

Marianne is a senior at Santa Clara University studying Public Health Science with minors in Biology and History. She has been a member of the SCU EMS squad for three years and served as the Training Director in 2014-2015. She hopes to attend medical school and become a physician in her home state of Idaho.

Devon Mitchell

Devon is a sophomore at Washington University in St. Louis's School of Arts & Sciences. She is pursuing a degree in cognitive neuroscience within the pre-medical track. Devon is involved in many areas of campus, including Greek-life, the Perlmutter Neurology Laboratory at WashU School of Medicine, and is the sitting board secretary for the WashU Emergency Support Team. Her interests range from researching the biological bases of the brain to linguistic studies in both French and Italian. Devon enjoys spending her free time traveling, seeing independent films, and spending time with her family.



Jeffrey Rabinowitz

Jeff is a third year student in Case Western Reserve University's BS/MS program in chemistry. After earning his EMT-B in high school, Jeff volunteered at his hometown 911 service. In college, he is in his third year of volunteer service with CWRU EMS. In addition to clinical roles, Jeff has served as Chief, Assistant Chief, and Webmaster for CWRU EMS. He aspires to continue in medicine as a physician.

Elise Romberger

Elise is a senior at Rensselaer Polytechnic Institute (RPI) pursuing a Bachelor's of Science in Biochemistry and Biophysics. She is a Student Admissions Ambassador, Membership Educator of her sorority, and a Student Peer Alcohol Monitor. She has been involved in RPI Ambulance since the beginning of her sophomore year where she is a crew chief and a driver trainer. After graduation, Elise plans to study law.

Alexandra Savkova

Sasha is a nationally registered paramedic, a senior at The University of Pittsburgh majoring in Emergency Medicine, and the president of Pitt SEMS. She will be attending Physician Assistant school at DeSales University in the fall of 2016.

Yanna Savkova

Yanna is an EMT, a volunteer firefighter, a senior at Temple University majoring in Nursing, and the education chair and field training officer of Temple University EMS. Yanna will be accepting a position with The Mayo Clinic in Minnesota upon graduation and passing of her NCLEX in the summer of 2016.

Danielle Thor

Danielle is in her fifth and final year as an undergraduate student at Temple University, majoring in Kinesiology with a Pre-Medicine focus and an Italian minor. She has worked with Temple University Emergency Medical Services (TUEMS) for the entirety of undergraduate career and currently serves as the organization's Director. She first earned her EMT-B certification while in high school in Livingston, NJ and still volunteers with the Florham Park Memorial First Aid Squad in Florham Park, NJ and LIG Global medical missions when home from school. Following graduation, Danielle hopes to stay at Temple University to complete a Master's Degree in Urban Bioethics and then attend the Lewis Katz School of Medicine with hopes of becoming an emergency physician.

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: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is also the Associate Medical Director of JeffSTAT. He completed a surgical critical care fellowship at The Johns Hopkins Hospital in 2010. Prior to that, he did his general surgery residency training at the Mercy Catholic Medical Center in Philadelphia. He earned his Doctor of Osteopathy from The Philadelphia College of Osteopathic Medicine (PCOM) in 2003. He also holds a Masters degree in Biomedical Science from PCOM. In 1996, he graduated from Bucknell University with a degree in Biology and Chemistry. While attending college, he was active with Bucknell's quick response group. He served as President of the Bucknell Emergency Response Team from 1994 to 1996. Dedicated to the advancement of collegiate EMS, he became involved with NCEMSF in 1993 at the first annual conference held at Georgetown University. He served as Vice-Chairman of the Constitutional Committee and Temporary Governing Board from 1995 to 1996. He has served as President since 1996.

Scott C. Savett, PhD

Scott Savett, NCEMSF Vice President 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, clinical, 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. He is also a per diem event EMT for Lehigh Valley Health Network at the PPL Arena in Allentown, Pennsylvania.

Joshua A. Marks, MD

Joshua Marks, NCEMSF Secretary, is an Assistant Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is also the Assistant Program Director for the General Surgery Residency and Interim Program Director for the Surgical Critical Care Fellowship at Jefferson. He is Board Certified in surgery and surgical critical care. He completed his fellowship in trauma and surgical critical care at the Hospital of the University of Pennsylvania and his general surgery residency at Thomas Jefferson University Hospital. He received his Doctor of Medicine degree from Jefferson Medical College (now SKMC) 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 Narberth Ambulance. Joshua sits on Narberth'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 an Assistant Professor of Emergency Medicine in the Department of Emergency Medicine at the Icahn School of Medicine at Mt. Sinai and the Associate Medical Director for EMS and Disaster Preparedness at Mt. Sinai St. Luke's and Mt. Sinai West. He is board certified in Emergency Medicine and EMS, having 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 with a certificate in Public Health Disaster Preparedness and Response 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. He has been 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 was the 2012 recipient of the Society for Academic Emergency Medicine/Physio-Control EMS Research fellowship, a 2015 recipient of the National Association of EMS Physicians Fellowship Award, and a 2015 recipient of the Allegheny County EMS Champions 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 Leadership Bios

NCEMSF DIVISION COORDINATORS

Karolina A. Schabzes, MPH

Karolina Schabzes, NCEMSF Membership Coordinator, has been involved in campus EMS since 1995. While earning her bachelor's degree in biology and health at Cornell University, Karolina volunteered with Cornell University EMS. After she received her degree, she worked as a New York State Critical Care EMT in Ithaca, NY. During and after her undergraduate education, Karolina resided at the Cayuga Heights Fire Department where she served in many roles including firefighter, advanced EMT, company treasurer, and continuing medical education evaluator. Karolina joined the NCEMSF Board in 1998 as Treasurer and has remained Membership Coordinator since 1999. Karolina holds a Masters of 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 EMS Fellow in the Department of Emergency Medicine at the University of North Carolina. He earned his Bachelor's degree and MD from Case Western Reserve University (CWRU). 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 college, he joined the Kensington Volunteer Fire Department (KVFD), 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. Prior to his current position, he served for 8 years as the NCEMSF Midwest Regional Coordinator.

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 worked as a technician in the Emergency Department at the Hospital of the University of Pennsylvania.

Jeffrey J. Bilyk

Jeffrey 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 centers. 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, NRP

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 and NJ; he has provided 911 services in both states. Eric's professional interests include radiological emergencies, spill control and 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, MSN, CRNP

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 Care Team. After graduating in 2002, she moved to Philadelphia and started a career in hospitality sales and management. 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 BSN in 2014, and her MSN as a Pediatric Nurse Practitioner in 2015, at Thomas Jefferson University. Jennifer is a commissioned officer and is now serving on active duty in the United States Air Force at Offutt AFB in Omaha, Nebraska. She works in primary care pediatrics as a primary care provider to military families.

Douglas R. Buchan, RN

Doug Buchan began his career in emergency medicine in 2006, serving as an EMT-B in the Chicago area. In 2009, he founded the University of Iowa Emergency Medical Services (UIEMS). Doug graduated from the University of Iowa in 2010 with a degree in Interdepartmental Studies: Health Sciences and Entrepreneurship and a psychology minor. As the team commander of UIEMS Doug began his NCEMSF involvement and 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 graduated nursing school in May 2015. Doug currently serves as a member of the Illinois Medical Emergency Response Team (IMERT) and works as an RN in a busy Trauma 1 ER in Chicago.

NCEMSF Leadership Bios

NCEMSF REGIONAL COORDINATORS

Ian Feldman

Ian Feldman, NCEMSF Central Regional Coordinator and 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 a Staff Analyst with the City of Houston, where he serves as the regional system administrator for a software suite which facilitates the collection, cataloging, and analysis of data on critical infrastructure and public safety. 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 a Certified Emergency Manager designation from the International Association of Emergency Managers.

David Afienko

David Afienko, NCEMSF 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, 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 pursued a certificate in pre-medical studies. 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 and will be attending medical school in the fall.

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. Zach is currently a medical student at Rowan University School of Osteopathic Medicine (formerly UMDNJ-SOM) in Stratford, New Jersey. After graduation this May, Zach will begin his residency in Emergency Medicine at the Lehigh Valley Health Network in Allentown, PA.

Lex Martin, RN

Lex Martin, NCEMSF Midwest Regional Coordinator, has been involved with collegiate EMS since 2012 as a responder with Case Western Reserve University EMS in Cleveland, Ohio, where she spent her final two years as Chief. A recent graduate of CWRU's nursing program, she is now getting her start in ICU nursing and is in school at University Hospitals Parma paramedic program. 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 currently works in Business Continuity for Barclays in NYC, and formerly worked in the Emergency Response Department for JetBlue Airways. Matt's work with technology streamlined campus EMS operations, and has been used toward new solutions in the airline's response operations. Matt has an MPA in Emergency and 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 fourth 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 while in high school, when she joined her hometown department, the Hazel Green Area Rescue Squad, as an EMT. Katie founded the University of Wisconsin Police Department First Responders, which began operating as an event response team in 2009. She served as Director from 2009-2011 and worked to advance it to a First Responder/Non-transport service. Katie will be pursuing a residency in Plastic and Reconstructive Surgery starting in June.

Bruce S. Graham, Jr.

Bruce Graham, NCEMSF Northeast Regional Coordinator, graduated from Rowan University in 2015 with his Bachelor's degree in Mathematics. Bruce became certified as an EMT-B in 2006 and a Paramedic in 2012. Bruce joined Rowan University EMS in 2013 and was elected into a leadership role as Lieutenant within his first two months of membership. The following year, Bruce was elected as Captain of Rowan University EMS, where he and his fellow line officers designed and implemented a new on-boarding, training, and education program for Rowan University EMS. That same year, his squad earned recognition as a HEARTSafe Campus and an EMS Ready Campus. Bruce now works as a Paramedic for two leading MICU projects in New Jersey (Virtua Health System and AtlantiCare Regional Medical Center), and is an instructor for many disciplines including: American Heart Association BLS CPR, ACLS, PALS, PHTLS, AHLS, and CEVO III. Bruce continues his involvement with collegiate EMS in his free time and is currently applying to medical school.

Kate Marquis, RN, CEN

Kate Marquis, NCEMSF Northern New England Regional Coordinator, graduated from Saint Anselm College with her 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 to captain of Saint Anselm EMS. Kate currently works in the emergency department at the University of Virginia Medical Center as an RN, and is a former neuroscience nurse. She additionally works for UVA Medical Center's Life Support Learning Center as a BLS and ACLS instructor, as well as a Trauma Nursing Core Course (TNCC) Instructor. She recently obtained her Certification in Emergency Nursing, a specialty certification, through the Emergency Nurses' Association.

Ryan M. Hay, RN

Ryan Hay, NCEMSF Pennsylvania Regional Coordinator, graduated with a BA in Political Science and a BS in Nursing from DeSales University. Ryan is a Certified Emergency Nurse and Pre-Hospital Registered Nurse (PHRN). Ryan is currently the Director of Network Emergency Preparedness for Lehigh Valley Health Network. While at DeSales, Ryan co-founded DeSales University EMS, serving as its Director for three years. Ryan is also a Hazardous Materials Specialist with Lehigh County Special Operations; a regional hazardous materials and Urban Search and Rescue (USAR) team in Eastern Pennsylvania.

Gabe Gan

Gabe Gan, NCEMSF Southeast Regional Coordinator, first became involved in EMS as a high school freshman in the Maryland suburbs of Washington, D.C with the Montgomery County First Aid Unit, Explorer Post 521. He then became a Maryland EMT and joined the Silver Spring Volunteer FD, where he continues to volunteer as a charge EMT. In 2012, Gabe moved South to Emory University, where he joined Emory EMS and received training to become an Advanced EMT. During his sophomore year, he attained the rank of supervisor, and was appointed the Assistant Chief of Operations from 2014 to 2015. After Gabe graduates in May with a degree in Human Health and History, he plans to enter a Masters of Public Health degree program. Gabe aspires to work in the field of healthcare innovation, bridging his interests in care delivery, chronic disease management, and health policy.



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See You Next Year!
February 24-26, 2017
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Notes:

Schedule Summary

Sunday, February 28, 2016

7:30 am - 8:30 am	Continental Breakfast	Mezzanine Foyer
8:00 am - 9:00 am	Workshop Session 9 (Page 23) Pediatric Vital Signs and EKGs: So Adorably Difficult We are More than Just College EMTs: Changing Health Policy Challenges of Language Barriers in the Prehospital Setting Causes and Consequences of Sleep Deficiency A Focus Beyond Collegiate EMS Debriefing with Good Judgement Ambo, Box, Squad, Bus, Buggy, Truck- What to buy? Technology in Today's EMS Community Paramedicine: New Frontier of Pre-Hospital Care Physio-Control EMS Skills Classic Review Roundtable: Startup	Independence A Freedom G Freedom E Philadelphia North Freedom F Philadelphia South Independence C/D Independence B Freedom H Salon 3/4 Salon 5/6
9:10 am - 10:10 am	Workshop Session 10 (Page 24) Scene Safety in the Higher Education Environment "Dude! I thought you had it!" Safer Ambulance Stretcher Operation EMS Beyond the Street: Donation and Transplantation I Got Rhythms: Rhythm Disturbances and EKGs for EMTs NASCAR On-Track EMS The Rescue Task Force Concept ICS Isn't Working for You?...Let's Fix It! Code Black: A Review of ED Overcrowding "There's a hole in the bucket" EMS Finance 101 Skills Lab: Megacode Roundtable: I <3 EMS Roundtable: Training	Independence A Freedom G Freedom E Philadelphia North Freedom F Philadelphia South Independence C/D Independence B Freedom H Logan I Salon 3/4 Salon 5/6
10:20 am - 11:20 pm	Workshop Session 11 (Page 26) Emergency Management: It's More Than Just ICS Efficacy of Lights and Sirens in Emergency Services YouTube Trauma: Lessons Learned from Idiots Sudden Death in Young Athletes First Response for the Four Legged Patient It's All in the Eyes: Abnormal Ophthalmologic Findings "What the @\$ Am I Supposed To Do With That?!" Can't Help If You Don't Know: Top Campus Healthcare Issues Get Better at Getting Better: Improving Trainings and Drills Skills Lab: Is it a STEMI? Roundtable: The Papal Visit Roundtable: Administrator/Advisor/Medical Director	Independence A Freedom G Freedom E Philadelphia North Freedom F Philadelphia South Independence C/D Independence B Freedom H Salon 10 Salon 3/4 Salon 5/6
11:30 am - 12:30 pm	Workshop Session 12 (Page 27) From Managing Emergencies to Emergency Management Seat Belts, 'We Don't Need No Stnkin' Seat Belts Resuscitation Roundtable 2015: Articles You've Got to Know! Bad Bugs: Antibiotic Resistant Bacteria Keep Calm and Master the Airway: Practical Airway Management Ebola to Zika "You're bleeding from where?!" It's All In Your Head: Depression on Campus Vasoactive and Hypertensive Medication in EMS Skills Lab: First Response for the Four Legged Patient Roundtable: Building an Alumni Network	Independence A Freedom G Freedom E Philadelphia North Freedom F Philadelphia South Independence C/D Independence B Freedom H Logan I Salon 5/6
12:40 pm - 1:40 pm	Plenary Session - Nothing is Out of Bounds	Liberty A/B
1:40 pm - 2:00 pm	Conference Wrap-Up	Liberty A/B



Schedule Summary

Saturday, February 27, 2016 (Continued)

1:30 pm - 2:30 pm	Workshop Session 6 (Page 15) Deploying and Managing a Public Access Defibrillation Program I'm in SHOCK: Critical Care for the Collegiate EMS Professional Social Media Train Wrecks Toxicology 101: Common Toxicological Emergencies When You Need a Helicopter... Patients with Autism: How to Respond and React Bombs, Bullets, and Buying Time: Sandy Hook, Boston, and Beyond Catch the Wave: Ultrasound Use in EMS Speed and Specialized Care Skills Lab: Simulation Scenarios - Battlefield Medicine Roundtable: Recruitment and Retention Roundtable: Research	Independence A Freedom E Freedom F Independence B Philadelphia South Freedom H Independence C/D Freedom G Philadelphia North Logan I Salon 3/4 Salon 5/6
2:40 pm - 3:40 pm	Workshop 7 (Page 16) CPR: Colleges Prepared to Respond The Future of Stroke Bypass Two Heads Are Better Than One "Help I've Fallen and I Can't Get Up!" Burn Disaster Management Robo Patient: Medical Technology in the Home Weapons of Mass Destruction- Still a Viable Option Pediatric Trauma Centers: Right Patient, Right Place, FIRST Time EMS Response to Active Shooter Events Skills Lab-Tabletop: The First 5 Minutes in an MCI Skills Lab: Let's Talk About Sex Skills Lab: Ultrasound Skills Lab: Simulation Scenarios - Battlefield Medicine Roundtable: Fundraising and Finance	Independence A Freedom E Freedom F Independence B Philadelphia South Freedom H Independence C/D Freedom G Philadelphia North Salon 10 Salon 3/4 Salon 2 Logan I Salon 5/6
3:40 pm - 3:55 pm	Snack Break	Mezzanine Foyer
3:55 pm - 4:55 pm	Workshop 8 (Page 18) Post-Arrest Care: Cooling and Cutting-Edge Approaches to Save Lives This is Your Brain: A Review of Anatomy and Assessment Collegiate EMS and Lessons from Operating Room Crisis Management North American Bites and Stings Tragedy on the Tracks: Lessons Learned from Amtrak 188 Navigating the Labyrinth: EMS Response to Hoarding Situations Triage, Tips, and Tricks for Mass Casualty Incidents Lean, Mean, EMS Machine EMS Planning for the 2015 Philadelphia Papal Visit Skills Lab-Tabletop: Active Shooter Skills Lab: Simulation Scenarios - Battlefield Medicine Roundtable: QA/CQI Roundtable: Emergency Management	Independence A Freedom H Freedom E Independence B Philadelphia South Freedom F Independence C/D Freedom G Philadelphia North Salon 10 Logan I Salon 3/4 Salon 5/6
5:00 pm - 6:00 pm	Plenary Session - Major John P. Pryor, MD Memorial Lecture Lessons Learned in Modern Battlefield Trauma Care	Liberty A/B
6:00 pm - 7:00 pm	NCEMSF Business Meeting and Awards Presentations	Liberty A/B
7:00 pm - 8:30 pm	Alumni Social and Networking Event	Lobby
7:00 pm - 10:00 pm	Dinner in Philadelphia On Your Own	
10:00 pm - 2:00 am	Club NCEMSF and Casino	Liberty C/D

(Sunday on Previous Page)



Schedule Summary

Friday, February 26, 2016

4:00 pm - 11:00 pm	Conference Check-in	Ballroom Foyer
5:00 pm - 10:00 pm	Physio-Control EMS Skills Classic	Mezzanine Salons
6:00 pm - 6:50 pm	How to Make the Most of the Conference Experience	Independence A
7:00 pm - 8:00 pm	Workshop Session 1 (Page 7) Delirium, Designer Drugs, and Teen Death: Electronic Music Festivals Approach to the Stroke Patient Advanced Hemodynamic Resuscitation of the Critically Ill America's Emergency Care Environment Roundtable: Startup	Independence C/D Freedom E Freedom G Freedom F Independence A
8:10 pm - 9:10 pm	Workshop Session 2 (Page 8) Bath Salts--A Not So Romantic Evening Shock: Management for the EMS Provider A Brief History of EMS - The Word is CHANGE Role of Bystanders in Response to Emergencies Chiefs and Presidents Panel	Independence C/D Freedom E Freedom G Freedom F Philadelphia North
9:00 pm - 1:00 am	Welcome Social and Mixer / CPR Challenge	Liberty C/D
11:00pm - 12:00 am	EMS as a Spectator Sport	Liberty C/D

Saturday, February 27, 2016

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	Liberty A/B Salon 5/6
8:20 am - 9:15 am	Opening Plenary Session - Campus EMS Highlights	Liberty A/B
9:25 am - 10:25 am	Workshop Session 3 (Page 10) 2015 AHA Guidelines for CPR and ECC: An Anti-Climax? Physiology Based Airway Management ABC's of EMS: A Visual Stimulation Lecture Basic Pharmacology for EMTs Forensic Medicine for the First Responder: Part I Multiple Sclerosis: From Pathophysiology to Emergency Care There and Back Again: Trauma Care in Afghanistan Trauma-Informed Responses to Sexual Assault Calls Mud, Sweat, and EMS-The Truth Behind the Mud Run Craze Skills Lab: Lifting and Moving Roundtable: Campus EMS Administrative Challenges	Independence A Freedom E Freedom F Independence B Philadelphia South Freedom H Independence C/D Freedom G Philadelphia North Salon 10 Salon 5/6
10:35 am - 11:35 am	Workshop Session 4 (Page 11) AEDs - Keeping Them Operationally Ready Managing Crashing Patients in the Field Visual Diagnosis in Pre-hospital Trauma Pills That Kill Forensic Medicine for the First Responder: Part II EMS and Patients with Special Needs CHAOS: Controlling the First 5 Minutes of YOUR MCI Responding to Campus Sexual Violence Baby On Board Skills Lab: Johnny Is Lost Skills Lab: Simulation Scenarios - Battlefield Medicine Roundtable: Technology	Independence A Freedom E Freedom F Independence B Philadelphia South Freedom H Independence C/D Freedom G Philadelphia North Salon 10 Logan I Salon 5/6
11:45 am - 12:30 pm	Workshop Session 5 (Page 13) Richard W. Vomacka Student Speaker Competition Creating Controlled Chaos: Engineering an MCI Drill Alcohol and Other Drugs: Making a Policy Prehospital Treatment of the Cervical Spine Injured Athlete Kindness and Compassion in the Face of Sexual Assault Emergency Media Services: Tips and Tricks for a Press Response You Can, We Can, Narcan Sustainability in EMS When Panic Attacks: From the 10-23 to the 10-8 "Please Don't Tell My Parents" Management of the Suicidal Student Regional Roundtable Discussions	Independence A Freedom E Freedom F Independence B Philadelphia South Freedom H Independence C/D Freedom G Philadelphia North Liberty A/B
12:30 pm - 1:30 pm	Lunch	

(Continued on Inside Back Cover)