

NCEMSF 2018

The 25th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 23-25, 2018
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, promotional materials. Social media posts and website.
- 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.
- 8) By providing or confirming your mobile phone number during conference check-in you are opting into NCEMSF's emergency notification service. In the event of an emergent situation during the conference, you agree to receive SMS notifications related to the emergency. Only critical messages will be broadcast in this manner.

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 a quarter century 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 46

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

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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, ACP(f)
Emergency Mgmt	Eric Pohl, NRP
Technologist	Timothy J. McMichael, NRP
Hotel Liaison	Jennifer Shoemake, MSN, CRNP
Webmaster	Ian Feldman
Asst Webmaster	Douglas R. Buchan, RN
HR	Katie Egan, MD, RN
Editor, JCEMS	Nicholas M.G. Friedman

Regional Coordinators

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Massachusetts	David Afienko
Mid-Atlantic	Zachary Matuzsan, DO
Midwest	Lex Martin, RN
New York	Matthew D. Ricci, MPA
North Central	Lucas Rappert
Northeast	Bruce S. Graham, Jr.
N. New England	Kate Marquis, RN, CEN
Pennsylvania	Ryan M. Hay, RN
Southeast	Gabe Gan
West	Tom Renner

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
2017 - Baltimore, MD
2018 - Philadelphia, PA

Future Conferences:
2019 - Pittsburgh, PA - February 22-24
2020 - Boston, MA - February 28-March 1
2021 - Baltimore, MD - February 26-28

Pre-Conference Workshops - Friday, February 23, 2018

1:00 pm - 4:00 pm Disaster Response and B-CON

Salon 5/6

Ryan M. Hay, RN and Eric Pohl, NRP

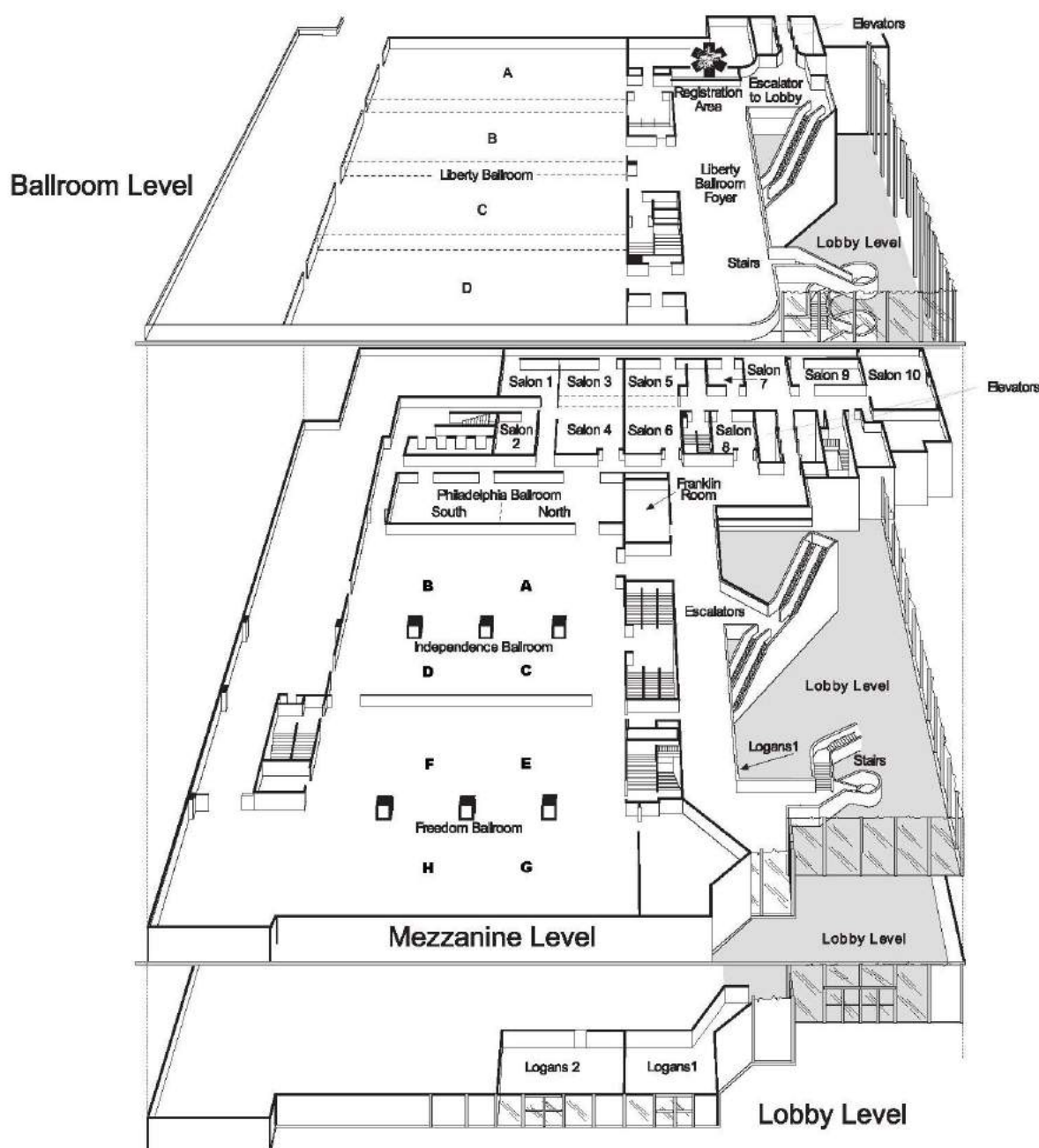
Higher education campuses continue to be focal points for special threat incidents, with no indication that the frequency of these events will wane. The past has seen natural disasters, terrorism, and radiological, chemical, and biological factors directly affect the collegiate population. This preconference workshop, consisting of short lectures and hands-on skills stations, will introduce students to specialty disaster medical response including medical considerations for Hazardous Materials and Urban Search and Rescue incidents. Participants will have the opportunity to learn basic and advanced life support skills during simulated patient scenarios. Course Content: Bleeding Control (BCON) Train-the-Trainer, Disaster Medicine, Urban Search and Rescue and Skills Practice.

4:00 pm - 10:30 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.

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.
Jim Springer, Senior Sales Representative
www.physiocontrol.com



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



Exhibitors

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



Dorney Park EMS
M Carl Flesher
Area Manager of Safety
www.dorneypark.com



**Pennsylvania Athletic Trainers
Society**
www.gopats.org

VCI Ambulances
Robert Bohny, Owner
www.vciambulances.com



Professional Associations

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



Web Hosting

Kodiak Systems
www.kodiaksys.com



Gifts in Kind



Health Education Programs



Jefferson



ROSS UNIVERSITY
SCHOOL OF MEDICINE

eastfalls.jefferson.edu/disastermed/index.html



TRINITY
SCHOOL OF MEDICINE

Ross University
www.rossu.edu



UNIFORMED SERVICES UNIVERSITY
of the Health Sciences

Trinity School of Osteopathic Medicine
www.trinityschoolofmedicine.org



F. Edward Herbert School of Medicine
**Uniformed Services University of
Health Sciences**
www.usuhs.edu/medschool



**Universidad Autonoma de Guadalajara
School of Medicine**
www.uag.edu

Thank you

Local Philadelphia campus based EMS squads

Drexel, Penn, Temple, and Villanova

for your assistance with various tasks throughout
the conference weekend!

Conference Schedule - Friday, February 23, 2018

5:00 pm - 11:00 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. 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

Philly North

Joseph M. Grover, MD, NCEMSF Startup Coordinator

Daniel McConnell, NCEMSF Asst. 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*

Spring Break Emergencies - From Summit to Sea

Independence A

Jasjot Johar, MD, FACEP

This interactive lecture will focus on common emergencies and environmental exposure issues encountered in Spring Break destinations, specifically focusing on ski/altitude and beach encounters. We will highlight prevention, recognition, and treatment of altitude related illness. We will also focus on common beach/ocean issues including marine life envenomation, dive emergencies, and other exposures.

Liver Bombs: Prehospital Care of Advanced Liver Disease

Independence B

Zachary Reichenbach, MD, PhD

Cirrhosis marks the terminal and irreversible stage of architectural rearrangement stemming from ongoing liver inflammation and fibrosis. In 2010, cirrhosis, and complications thereof, became the 8th leading cause of death in the United States. While cirrhosis mainly affects middle age to older adults, presentation in college age patients can occur. More so, the complications that arise from cirrhosis can lead to death within minutes and therefore EMS providers must be aware and vigilant to the disease process and complications. In this talk we will review the physiology of the liver and the pathophysiology underlying cirrhosis to explore how this pathology relates to complications including massive gastrointestinal hemorrhage, altered mental status, sepsis, and multi-organ failure. We will explore both BLS and ALS prehospital management of these complications. As time permits, we will use our understanding of liver physiology to explore complications stemming from acute liver failure such as Alcoholic Hepatitis or Acute Acetaminophen Toxicity.

READYCommunity: bringing your neighbors to the table

Independence C/D

Lynn Fisher and Emma Giardina

After a thunderstorm, who is going to help Mrs. Miller clean the branches off her car? Who will help Mr. Jones down the steps to safety? Last year, we launched READYCommunity to help figure out who on your block needs help during a disaster and who the helpers are. This year, READYCommunity has reached 7 neighborhoods in Philadelphia and helped over 250 Philadelphia neighbors develop a plan for different types of emergencies they may face. As many recent disasters have demonstrated, neighbors are typically the first responders in disasters. By establishing whole neighborhood preparedness and guiding residents as they create an emergency plan, neighborhoods become resilient and able to face any disaster. By spending time together learning about hazards, they begin to understand how to prepare and soldier through tough situations. Together.

WhaDidYaSay??

Philly South

Communication Breakdowns, CRM and Just Culture

Mark Forgues, MEd

The Harvard Center for Medical Simulation estimates that medical providers kill 10,000 patients every year because we can't talk to one another. Most of this occurs during patient handoff and movement; something that we do all the time. This program explains how communication breakdowns occur and can be avoided. It is based on Crew Resource Management and Just Culture concepts that have been in use in the airline industry for years with great results. By using videos and actual cases, we will review near misses and root cause analysis of some common EMS errors. We will also explore the concept of Just Culture: finding the problem and not assigning blame. This program is designed to meet the requirements of the National Registry Continued Competency Program.

Conference Schedule - Friday, February 23, 2018

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

Philly North

Joseph M. Grover, MD, NCEMSF Startup Coordinator

Daniel McConnell, NCEMSF Asst. 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

Sharks, Barracudas, Rays and More!

Independence A

Treating Injuries from Marine Animals!

Mark Ubbens, PHRN, MSN, CRNP

Many college campuses are located close to bodies of water, others have aquatic labs with a variety of marine animals which are used for education and research. Join Mark Ubbens for a journey to the sea, where participants will learn to identify hazardous marine life, learn how to avoid being attacked, and what to do when presented with a patient who has suffered from an attack!

The Malicious and Monstrous Maladies of Disney

Independence B

Amy Eisenhauer

We are all familiar with the reels of the denizens of Disney and the trials and victories they encounter; yet their medical ailments are hidden in plain sight without notice. Both mysterious and monotonous diseases affecting the residents of the realms of Disney will be discussed from Ariel to Mary Poppins. Come join the Siren on this voyage of discovery from under the sea and beyond.

Cardiac Screening in YOUR Community

Independence C/D

Sharon Bates

In 2016 the IOM stated over 12,500 youth die from Sudden Cardiac Arrest (SCA) annually. That figure translates to over 30 children every day dying from possibly preventable SCD. According to Dr. Jon Drezner, UW Sports Medicine, every 3 days 1 high school athlete dies, which under reports this public health crisis. The good news, cardiac screenings are on the rise in the USA. In 2000, only two cardiac screening organizations existed. Currently, there are over 400 organizations performing cardiac screenings. Over 70% are not for profits formed by parents that had lost children to Sudden Cardiac Arrest (SCA). With additional screening support, more families will be spared the devastation from the loss of a child. Cardiac Screening findings report 2% to 8% of the youth screened are found to have life threatening heart ailments. Additional findings support the need for AEDs in the community as increases in heart disease become evident. Community cardiac screening events translate to raising awareness of SCA, educating participants and parents of the warning signs of heart disease and protection of SCD through AED donations have bound these groups into a national movement of "protecting children from preventable SCD."

EMS SVU

Philly South

Joyce Foresman-Capuzzi, MSN, SANE-A, AFN-BC, EMT-P

You are dispatched to a dorm and find your patient with her shoes on the wrong feet and amnesia. What is the first thing you consider when you hear this chief complaint? Come and learn the four types of sexual assault, what questions you should ask (and not ask!), how to perform your exam and basic evidence collection and preservation to take your patient from trauma to trial. You will also learn about Drug Facilitated Sexual Assault and steps you need to take when you suspect that has occurred. Put your detective hats on and come to this fast paced session with lots of examples and time for plenty of questions

Chiefs and Presidents Leadership Panel

Freedom E

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 23, 2018

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

Liberty C/D

Sponsored by Philadelphia College of Osteopathic Medicine

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 in the photo booth 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.

SEE YOU IN THE MORNING...



A Note about NCEMSF Lectures

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.ncemf.org/conf2018 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.

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.

Conference Schedule - Saturday, February 24, 2018

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 be presented at this time. Also, 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).

8:20 am - 9:15 am *Opening Plenary Session* *Liberty A/B*

Stop the Bleed:

Bringing the Public Health Initiative to Campus

Adam Fox, DO, FACS and H. Meir Berkman

The national 'Stop the Bleed' Campaign is an initiative geared to providing both education and equipment to the community as it relates to hemorrhage control. With increasing numbers of intentional mass casualty events (i.e. active shooter events), the college campus has been shown to be an unfortunate target. Educating students, staff and faculty on a college campus may help first care providers save lives prior to the arrival of a medically trained provider. As one of the first college campuses in the country to initiate an entire Stop the Bleed program, including the placement of >160 bleeding control kits, the students at Harpurs Ferry Ambulance Service have many insights into starting a program. The lecture will describe the program and include challenges and potential solutions to an effective rollout.

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

Burn Management

William Hughes, MD

This lecture will review the different types and depths of thermal burns and discuss the initial treatment. It will also help providers identify interesting and special types of burns including chemical, electrical, and inhalation injury.

Freedom E

Outbreak! A Campus Response to Meningitis-B

Robert Laford and J. Dominic Singh, NRP

Many campuses plan for an outbreak of some kind, but how many have experience handling them? During the Fall 2017 semester UMass Amherst experienced a declared outbreak of Meningitis-B on its campus requiring a strategic, multi-discipline response including a mass vaccination program. Come and hear the experiences of the campus Emergency Management staff and how UMass Amherst EMS played an integral role in this operation.

Freedom F

Scene Safety in the Higher Education Environment

Daniel Maas

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

Freedom G

CPR Superheroes Assemble!

Overcoming the Barriers of Bystander Initiated CPR

Richard Shok, RN, NRP

The Problem: Bystander CPR is initiated in only 28.6% of cases of out of hospital cardiac arrest despite the fact that victims only have a short window of time to survive this event. Victims depend on the prompt delivery of CPR, defibrillation, and Advanced Life Support. Women and minorities receive bystander initiated CPR at much lower rates than males and white victims of cardiac arrest. Beyond this, bystanders, including ones that have received CPR training, fail to act in situations requiring CPR due to various fears - including that they may hurt the victim. The Solution: Understanding and overcoming the obstacles to bystander initiated CPR through approachable public education. Code One Training Solutions, LLC is an American Heart Association Training Center that has approached the barriers to bystander initiated CPR in a very unique way. They recruit CPR Superheroes and empower them with the knowledge and skills to save a life.

Freedom H

Conference Schedule - Saturday, February 24, 2018

Opioid Emergencies Masterclass

Independence A

Richard Pescatore, DO

The opioid crisis is the greatest public health emergency of our time. Much attention has been paid to overdose treatment and planning; however, few practitioners have a true grasp of the intricacies of opioid abuse and the particular harms for which these patients are at risk. We'll review specific practices of injection drug users and discuss the in-depth pathophysiology and advanced infectious considerations of these techniques.

Airway Management Strategy: Matching the Approach to the Physiology

Independence B

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 advanced airway without first addressing the patient's underlying physiological issues has been demonstrated in the literature to result in worsened outcomes. This presentation will propose a physiological based approach to airway management in which the patients underlying physiological issues are addressed and the airway is managed in strategy to improve, not worsen, the patient's physiological problems to improve outcomes.

Quality Assurance for College EMS

Independence C/D

David Goroff, MS, NRP and David Stamey, NRP

Quality Assurance (QA) is arguably the most important component of any healthcare delivery system. In EMS, this is especially true given constantly evolving treatment protocols, often extreme operational challenges, and the tendency for EMS providers to provide care without direct supervision. However, QA is far too often overlooked in college based EMS systems, and even when it is addressed, it rarely proceeds past chart review. Worse still, QA is often looked at by EMS providers as a disciplinary or punishment process, rather than an opportunity for provider education, growth, and system refinement. This lecture will review the importance and applicability of QA, examine QA best practices, and give participants the tools to build their own robust QA systems for college based EMS.

Lessons Learned from Back to Back Stanley Cup Celebrations *Philly North*

Ronald Roth, MD

Providing medical care at planned mass gathering events such as sporting events, concerts, marathons and parades requires many of the same skill sets and expertise necessary to implement a successful response to an unplanned mass casualty event. Mass gathering events help a community prepare for the unexpected mass casualty event or disaster. In the City of Pittsburgh, AKA, the City of Champions, we had the opportunity to prepare and execute back to back mass gathering plans for the Penguin Stanley Cup celebration. In this presentation, we will explore how the lessons learned from the 2016 parade were adopted in preparation for the 2017 parade. In addition, we will look at factors from the 2016 event that nearly transformed a mass gathering event into a mass casualty event.

Tinder for Patient Assessment

Philly South

Frank Caria, MPA, CHC, AEMT

Swipe left or right?- using tips from one of the world's most used apps learn how to apply them in your daily patient assessments (trauma or medical). This session will utilize case studies to address the pitfalls, educate you on techniques and highlight successes in assessing your patient. Bring your thinking caps as an interactive discussion awaits.

Student Mentoring: Teaching EMT Class at UD

Salon 5/6

Jeff Bruggeman

This presentation is designed to discuss the EMT Course at the University of Dayton, which has run an EMS program since 1992. UD EMS is a 100% student run volunteer EMS organization. Topics to discuss will include the history of UD EMS, the vetting program to accept new members, and the student run organizational structure. An emphasis will be placed on the in-house EMT course. Each year, in August, the newly accepted members of UD EMS attend a fast tracked EMT course. Each student is assigned a mentor that is responsible to facilitate the student's progress in the course. Additionally, the UD EMS members help with all lab sessions, practice, and review sessions. This peer mentorship is a driving factor in the success of UD EMS. This presentation will help the participant identify the tools needed to build a successful student driven EMT certification program.

Roundtable: Administrator/Advisor/Medical Director

Salon 10

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.

Conference Schedule - Saturday, February 24, 2018

Roundtable: Advertising and Campus Media

Salon 3/4

Kathryn Marquis, RN, CEN, NCEMSF N. New England Regional Coordinator

Dan McConnell, NCEMSF Asst. Startup Coordinator

Whether you are establishing a campus EMS agency, or are a member of an established organization, recruiting, advertising and branding are integral parts of running and maintaining a campus EMS agency. This roundtable is devoted to organizations of all sizes looking to improve or perpetuate campus recruiting techniques, brand, rebrand, or looking to establish footholds in campus media outlets.

Skills Lab: Cases in Mental Health

Salon 9

Rebecca Valentine, EMT-P, I/C, NCEE

There is a mental health crisis happening around us. A considerable portion of the U.S. population has had some sort of issue with mental health during their lifetime. But there are degrees of issues ranging from one time, to episodic to devastating. Let's break the stigma by having the real conversation. We will review the case studies portrayed and debate on how the case was run and how the call might have gone better.

**** 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: Moving, Lifting and Transporting in the Wilderness

Salon 2

Marjorie Mazie

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

Skills Lab: Simulation Scenarios

Logan

Doing the Best You Can: Pre-hospital care in Afghanistan

Aaron Saguil, MD, MPH, FAAFP

The goal of any emergency medical service provider is to train as hard as one can to take care of as many people as one can whenever one can. The same applies to military pre-hospital treatment teams. We train hard so that when the time comes, we can make a difference in the lives of America's sons and daughters. At the Military's Medical Education and Training Campus in San Antonio, the enlisted medical personnel who will be front line providers for the battle-injured learn the same skills as their civilian emergency services counterparts. At the Uniformed Services University in Bethesda, future military physicians are learning these skills and more through didactic and simulation based training so that they can receive these traumatically injured patients and provide critical, life-saving, hospital-based care. This skills workshop will transport attendees to a cold February in Afghanistan eleven years ago, giving them hands on training in how to provide battlefield casualty care. Those who attend will have a better grasp for how military and civilian trauma practice inform one another and how to apply those lessons going forward in their civilian EMS career.

Stop the Bleed Training

Franklin Room

Throughout the day stop by the Franklin Room on the Mezzanine level to receive quick and efficient Stop the Bleed instruction. Review basic critical, life saving skills and learn more about the Stop the Bleed campaign. For more information go to: www.bleedingcontrol.org.

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

Thoracic Trauma

Freedom E

Michael Carunchio, MS, NRP, FP-C

The thorax contains a great deal of structures that are extremely enticing for things like bullets, knives, steering columns, baseball bats, and other foreign objects that are looking to wreak havoc on someone's day. This lecture will review the effects of thoracic trauma, treatment modalities, and will combine the perspectives of the prehospital provider and the critical care transport provider.

Leading the Way: How EMS Can Shape Regional Stroke Care

Freedom F

Michael Redlener, MD, FAEMS

In 2015, the MR. CLEAN trial and 4 additional Randomized Control Trials revolutionized the care for patients with major stroke. These studies demonstrated that endovascular clot removal improves outcomes for patients with Large Vessel Occlusion (LVO) strokes. As the stroke community debates the technical aspects of improving outcomes, Emergency Medicine and EMS leaders have been working to develop the systems of care to get the right patient to the right hospital to get this critical intervention. Who knows better than EMS how to think through the identification of stroke, the selective transport of patients to the right facilities and how choices in the field affect the system. EMS leaders need to be at the table to represent the out of hospital patient care perspective and sometimes even push their hospital-based colleagues towards a true regional system for this condition. This session will discuss the New York City experience in the development of stroke systems of care, elements of this system that every region needs to consider and recommendations from our experience.

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Crime Scene? But I'm an EMT! What's the big deal?

Freedom G

Scott Rubins, MA

My patient is crashing! What do you mean there is a crime scene? Why can't I step in the blood? What do you mean I can't use my trauma shears to cut there? I have to remember what I saw? I can't worry about that! Wait.....I have to? Yes, you have to take care and remember. What you do at a crime scene may inadvertently destroy evidence and impact the work of police investigators and forensic experts. Preserving a crime scene and evidence is vital, easy to do and remembering detail is important. This dynamic presentation will take you through how to recognize a crime scene, stay safe, preserve important evidence, interact with the police, be able to write a proper PCR that reflects your patient's condition, the care you rendered and the disposition of your call and how to properly provide information to investigators post incident.

"Hacking the Human Brain"

Freedom H

Addressing Real Life Fears in Resuscitation

David Hiltz

Encountering a victim of sudden cardiac arrest is frightening. Witnessing the collapse of a family member or friend is terrifying. Agonal breathing, seizures and posturing are likely to significantly increase fear and add confusion among potential rescuers to the point of unwillingness or inability to act. Phobias and fears come in all shapes and sizes: closed places, heights, escalators, tunnels, highway driving, water, flying, dogs, spiders, snakes and the sight of blood are common objects of phobia-like anxiety. Based on available evidence, it is reasonable to qualify fear as a significant barrier to bystander initiated CPR. Explore this subject and learn of innovative methods for helping people address fear and break the link between the feared situation and the panic reaction through controlled exposure.

"Bro what did you take!" - College Drugs of Abuse

Independence A

Daniel Plavin

Drug abuse is one of the leading causes of collegiate 911 activation in the country. Identifying the drug in question is essentially in providing the proper treatment. However, many patients may be unwilling or unable to provide information as to what drugs were abused. This lecture will focus on the clinical presentations of several commonly abused drugs and the appropriate EMS management and treatment.

End Tidal CO₂, Old Tool Reexamined for The Future

Independence B

Robert Katzer, MD, MBA

End Tidal CO₂ is a physiologic measurement tool that started years ago in the operating room and has now made its way into the prehospital care arena. Knowing what it represents and how to interpret what it demonstrates of the patient's physiology is an important skill for field providers. Beyond simply confirming endotracheal tube placement, End Tidal CO₂ can be used to indicate adequate CPR compressions, response to cardiac arrest resuscitation, likelihood of achieving return of spontaneous circulation, and ventilatory status. This tool functions superbly in the field and will fulfill a larger role in monitoring patients within EMS systems. This lecture will cover the major uses for it in the field as well as providing thorough instruction on how to read and interpret the waveform.

When Nature Calls-EMS After Hurricanes in U.S. Virgin Islands *Independence C/D*

Les Polk, MS, NRP, TP-C

When Hurricanes Irma and Maria struck the U.S. Virgin Islands with the devastation of a Category 5 storm, critical infrastructure was damaged. Through an Emergency Management Assistance Compact (E.M.A.C.) request from the U.S. Virgin Islands, the New Jersey EMS Task Force was able to deploy a contingent of highly-trained EMTs and paramedics as well as a fleet of all-terrain ambulances to assist in the recovery efforts. You will learn how you can utilize your education, training, skills, and expertise to function in an austere environment with minimal resources and a challenging environment. You will discover how the innovative problem solving skills honed as collegiate EMS providers can be applied to provide world class medicine far from home. You will understand how service to a campus community can be preparation for service to complete strangers in a time of great need. We will discuss how lessons learned in this E.M.A.C. deployment can be applied to other planned or unplanned incidents and disaster management as it pertains to EMS. You will learn how applying principles of tactical paramedicine can be applied to routine responses in any EMS system-especially on college and university campuses.

Get Off My Field! Working Alongside the Athletic Trainer

Philly North

Rebecca Schwartzman, ATC, EMT-P

Do you find yourself dreading having to respond to a call for an injured athlete, knowing the athletic trainer will already be with the patient on scene? Do you find yourself wishing for an easier transfer of care from athletic trainer and EMT? In this lecture, we will discuss strategies for the EMT and athletic trainer to work together to focus on what matters.

Ballistic Pathophysiology for EMS

Philly South

Alvin Wang, DO, FAAEM

This lecture is designed to enable EMS providers to better care for patients who are victims of gunshot wounds. The lecture will begin with a review of basic EMS scene safety concepts when caring for patients who are victims of gunshot wounds. Basic ballistic concepts will be reviewed in the context of the injury patterns

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that they cause. Please note that this presentation will contain some graphic pictures and scenes that may be potentially disturbing for some audience members. This presentation is neither pro-gun or anti-gun - it is designed only to communicate medically relevant information to the audience facilitate better patient care.

Emergency Medical Research: The Ethical Dilemmas of Default Enrollment

Salon 5/6

Victoria Vorholt, MA

In most clinical trials, consent by a capacitated, informed patient or surrogate is considered a necessary criterion for enrollment to be ethical. In the absence of such consent, the default position is non-enrollment, and any objection to enrollment is honored. The default position is the reverse in clinical trials conducted under the exception from informed consent (EFIC) in emergency research; the default in EFIC trials is enrollment. An under-recognized but interesting question is thus when objections to enrollment in EFIC trials (particularly when offered by "suboptimal surrogates") should be honored. Unfortunately, the EFIC regulations and guidance documents offer no tools for answering these questions, leaving emergency department physicians and EMS to deal with these ethically ambiguous scenarios. We present a set of criteria that provide both conceptual and practical guidance. We argue that the justification of the waiver of informed consent in EFIC trials is not based on a morally relevant difference in the need for prospective informed consent but rather on the impossibility of obtaining it in certain emergency situations. As a result, objections should be honored if they undermine the critical assumption that individuals would likely not object to enrollment based on their values or preferences.

Roundtable: Campus EMS Administrative Challenges

Salon 3/4

Shawn Miner and Raymond Lovell

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.

Roundtable: Research Design & Execution in EMS

Salon 10

Michael T. Hilton, MD, MPH, FACEP, FAEMS, NCEMSF Director-at-Large

Nicholas MG Friedman, Editor-in-Chief, Journal of Collegiate EMS

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.

Skills Lab: Just Walk It Off: Usable Injuries in the Wilderness

Salon 2

Marjorie Mazie

Taking care of lower extremity injuries in the urban context is straightforward-- splint, get on the gurney, go to the hospital. The decision-making for the same patient in a backcountry setting is different: Stay or go? Fast or slow? Walk or be carried? This session will explore the decision-making and treatment plans for lower extremity musculoskeletal injuries in backcountry settings with the goal of supporting usable injuries to make patients ambulatory. Maybe the hiking trip can continue...

Skills Lab: Simulation Scenarios

Logan

Doing the Best You Can: Pre-hospital care in Afghanistan

Aaron Saguil, MD, MPH, FAAFP

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

17th 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.

Stats, stat! Improving Resource Allocation, Recruitment, and Retention with Data

Freedom E

Thomas Goode, MSP

Collegiate EMS agencies often experience challenges with staffing, recruitment, and retention of college students. Low service call volumes, high member turnover, and non-targeted recruitment strategies often exacerbate these issues. Anticipating or minimizing the impact of these factors on a service's operations is possible through analysis of various service metrics and individual member information. We first introduce methods for storing and easily accessing this information before presenting applications of data analysis to address the three aforementioned challenges; statistical forecasting methodology can improve upon that well known, anecdotal suspicion that "tonight will be a bad night," and statistical clustering of individual member data can identify which college students are likely to initially join a collegiate EMS

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agency and which agency members are likely to leave the organization. We offer varied results of these applications at Carnegie Mellon University's service, identify flaws and plans for improvement, and suggest strategies to expand these approaches to address other, agency-specific priorities.

Implementation of Technical Rescue Disciplines for Collegiate Agencies

Freedom F

Matthew Heindrichs

College campuses present some unique scenarios for rescue, sometimes requiring specialized technical resources. This presentation will examine the creation of technical rescue teams at various levels within collegiate agencies, using the Virginia Tech Rescue Squad as a primary example. It will provide a basic overview of the most common types of technical rescue scenarios that could be found on a college campus, and potential scenarios agencies may respond to in mutual aid areas. A primary focus will be what makes a sustainable technical rescue program at the collegiate level.

Go Home, You're Drunk!: Assessing Intoxicated Patients' Ability to Refuse Care

Freedom G

Anthony Mahoney-Pacheco and Andrew Pettit

EMS calls involving alcohol intoxication are disproportionately prevalent among collegiate EMS services, and often involve nuanced and difficult assessments and decision making. The critical aspect of many such calls is the determination of an intoxicated patient's competency to make decisions about their medical care and refuse treatment and transport. This determination of competency is one of the most significant decisions made about patient care in a prehospital setting, yet has minimal research-driven, objective guidance in local EMS protocols or training programs and lacks a well-defined standard of care. In this presentation we will use an interactive case-study approach to examine prehospital assessment of alcohol intoxication from an epidemiological, physiological, and legal perspective to answer the question: what are we really assessing when determining if a patient can refuse treatment and transport while intoxicated? We will then explore the intricacies of a competency assessment, and provide a selection of best practices compiled from clinical studies, other public safety and healthcare professions, and through a data-driven review of two years of alcohol-related patient care records. We will wrap up by involving the audience in a selection of EMS case studies that provide context to the assessment goals and best practices presented.

Quantifying Care: Data Tracking in Collegiate EMS

Freedom H

Vinith Ilavarasan and Jose Figueroa

This presentation discusses the motivation, purpose, and applications of EMS data collection on collegiate campuses. Our team wanted to collect data because we believed that by identifying trends, we could better understand why certain issues arise consistently. For example, we are using response time statistics to lobby for lights and sirens on our emergency vehicle, additions that would minimize the time it takes to get to urgent calls. We also analyzed map data and found that our campus has neither the adequate quantity nor the proper distribution of AEDs to ensure easy accessibility in the event of a cardiac arrest. We are now using this data to work with administration to make sure our campus population has the resources necessary to act appropriately in emergency situations. Looking forward, we want to begin collecting data on the burnout rate of equipment, which would allow us to develop a more efficient method of buying supplies. By presenting a detailed description of our own system, we hope to inspire other collegiate EMT service teams to develop their own, and subsequently use this system to identify valuable statistical trends that help provide solutions to their own unique obstacles.

Information Overload: Social Media in Emergency Services

Independence A

James Kontoules

This presentation aims to discuss several aspects of social media for use by emergency services and public safety agencies. The presentation will focus mainly on the positive uses of social media, drawbacks and dangers of improper use both as agencies and individuals, and how social media is changing the face of emergency services. Social media is one of the newest major challenges faced by emergency services agencies, and as such it should be properly managed. With proper use and management, agencies and their Public Information Officers can ensure that the highest potential benefit is being reached. Social media provides a unique and effective means of communication for both community outreach and emergency notification, and when used properly can help your agency navigate the modern public relations arena.

Traffick Control: The Role of EMS in Human Trafficking

Independence B

Kerry McCans

Human trafficking is a pervasive and global crime that effects every race, age, society, country, and socioeconomic status. However, law enforcement, government, and medical personnel are decades behind this criminal industry. Awareness of this crime is the first step in freeing its millions of victims. How common is human trafficking- and is it prevalent on our college campuses? What puts victims at risk and how are they manipulated into becoming modern slaves? Lastly, what can one college EMS provider do to eradicate this international illicit industry? To understand this issue, we will explore statistics, research studies, and survivor's stories.

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Queer Health in Emergency Medicine

Independence C/D

Mark Kaminski

This presentation attempts to explore how we can improve our skills as medical providers by learning about the specific health concerns of various minority groups. This specific presentation will focus on the health concerns of patients who fall under the LGBTQ+ demographic. We will start by exploring the historical significance of first responders' relationship with queer groups. Next, we will relate this history to the modern day significance, with an emphasis on language and vocabulary use with these patient demographics to improve patient assessment, transfer of care, and patient advocacy. Finally, we will learn about the specific mental health and pharmacological considerations of queer and trans patients and its relevance to emergency care.

Regional Roundtable Discussions

Liberty A/B

NCEMS National and Regional Coordinators

The NCEMS Regional Coordinators invite squad leaders to meet with them and other leaders in their geographic region. Attendance will help organizations to grow within NCEMS and allow NCEMS to better serve its constituents. These sessions are recommended for one or two representatives per school, and are ideally attended by squad leadership/squad NCEMS 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 35.

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

It's All In The Eyes: A Review of Ocular Emergencies

Freedom E

Joshua Glick, MD

Eye injuries make everyone queasy. But prompt recognition of several common injuries and illnesses can save a patient's vision. Early recognition of these conditions is imperative, and during this talk we will review the basic ocular anatomy, highlight an abbreviated exam for EMS providers, and go over some common presentations of illnesses that may present in the field.

Preparing Yourself for Clinical Decision-Making

Freedom F

J. Dominic Singh, NRP

Much of initial EMT training is spent practicing skills and following procedures but little time is left on developing clinical decision-making skills for use in the field. If we understand how our own internal "software" works our ability to make decisions can be optimized. This program offers a framework and procedures for EMTs to follow to make appropriate clinical decisions for their patients in stress environments, and then applies that framework to some real-life experiences of the speaker.

See One, Do One, Teach One: Finding Your EMS Mentor

Freedom G

Amy Eisenhauer

Mentoring has long been a tradition in the medical profession, yet it is an underutilized tool in the EMS arsenal. Many EMS providers feel stagnated and leave the field, taking their passion and skills with them to benefit another industry. Mentoring can inspire providers' passion for EMS again. This presentation will discuss the mentoring relationship and expectations of both the mentor and mentee. Benefits of having a mentor for the individual EMS provider and how to find one will also be reviewed.

Got ROSC and Think You're Ready to Roll?

Freedom H

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

EMS providers have made great strides towards increasing survival from out of hospital cardiac arrest. However, neurologically intact survival remains one of the most important metrics of a system's success. By focusing on high priority interventions and understanding findings associated with Post Cardiac Arrest Syndrome, EMS providers can help to ensure that patients progress beyond initial ROSC (Return of Spontaneous Circulation).

Fentanyl Analogs & Opiate Epidemic: How Afraid Should I Be?

Independence A

Robert Katzer, MD, MBA

The United States is in the midst of a national opiate epidemic. Over the past five years, one aspect of that epidemic that has drastically increased the number of fatal overdoses is the introduction of illicit fentanyl and its analogs. This fentanyl is usually manufactured in China, and introduced in heroin and in counterfeit pills in the United States. Some of its analogs, such as carfentanyl, are extremely potent and fatal at low doses. Our nation has responded by expanding both the methods of deployment and the availability of naloxone, the agent most commonly utilized to block the effects of opiates. This session will describe fentanyl as a compound, its analogs, their current supply chain through the US illicit drug market, as well as how naloxone is deployed to save lives. Finally, there has been growing concern about the risk public safety

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personnel take by responding to scenes where they may be potentially exposed to lethal amounts of fentanyl or its analogs. This session will review the literature of how this drug is spread and what appropriate PPE protocols are recommended.

Poor Prognostic Indicators - A BLS Patient Assessment Review *Independence B* *Stu Rosenhaus*

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

Hurricane Harvey - Lessons Learned *Independence C/D* *Lisa Basgall*

Being situated near the Gulf Coast, hurricane preparedness is essential for Rice University. Preparations are reviewed annually, and EMS leaders participate in annual training. Hurricane Harvey was a large scale, long-term event that had a direct impact on campus and the campus community. Many who were present had not experienced an event like this before. Community spirit, enthusiastic volunteers and family support from across the world combined with provider fatigue, ongoing crisis management needs, and a need for problem solving that had a memorable impact on Rice EMS and Rice University. Join us for lessons learned.

Hacking Body Language for Healthcare Providers *Philly North* *Koralia Burz, MS*

How adept are you at reading body language? Do you know of tools and tricks you can use to help you diffuse an adverse situation just by subtly changing the way you stand? In this talk we will focus on discussing ways of understanding body language better, and how to maneuver subliminal communication.

As Seen On TV *Philly South* *Rebecca Valentine, BS, Paramedic, I/C, NCEE*

Ever see those ads on TV for the newest drug that is going to make conditions all better? Sometimes they sound pretty good, which is their goal. We'll look at the fine print of what those meds actually do for the patient as well as some of the side effects that we may have to treat.

Lessons Learned from a NYC Pediatric Disaster Exercise *Salon 5/6* *John Jermyn, MS*

Children are frequently victims of disasters; however, significant gaps remain in pediatric-specific disaster planning. The New York City Pediatric Disaster Coalition (NYC PDC) is funded by the New York City Department of Health and Mental Hygiene (NYC DOHMH) to prepare NYC for large scale pediatric mass casualty events. On May 25, 2017 the NYC PDC conducted a large citywide pediatric exercise testing medical surge, communications, and secondary transport. Participants included 28 NYC hospitals, the NYC Fire Department-Emergency Medical Services (FDNY-EMS), NYC Emergency Management (NYCEM), and the NYC DOHMH. Participant answers to exercise real-time questions, on-site evaluations, hot wash, and after-action reports were utilized to develop lessons learned and recommendations for plan revision. Key findings included the ability to double pediatric surge capacity, provide disaster mental health support and prioritize patients for secondary transport. The need to have adequate supplies of pediatric ventilators, blood and subspecialty support was identified. This presentation will discuss an overview of the exercise process from planning, to after action reporting following the Homeland Security Exercise Evaluation Program (HSEEP) guiding principles, and elaborate on the lessons learned from the 2017 NYC pediatric disaster exercise.

Roundtable: Recruitment and Retention *Salon 10* *Evan A. Formosa, Lex Martin, RN, and Laura Hanson, NCEMSF Regional Coordinators*

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.

Skills Lab: Presenting and Visualizing EMS Data *Salon 9* *Gabe Gan*

Data is central to the operational, business, and public health functions of EMS. Campus EMS squads are frequently asked to present statistics and data from their operations to university and local officials. In addition, they strive to analyze run data they collect but often neglect to have the tools or training to do so. This workshop will provide an introduction to creating effective visuals to present and explore EMS data. Using a powerful data visualization software called Tableau, we will use a sample data set to walk through relevant applications. *Please bring a laptop computer to this workshop with Tableau downloaded and installed. Tableau is free for students!

Skills Lab: Simulation Scenarios *Logan* Doing the Best You Can: Pre-hospital care in Afghanistan *Aaron Saguil, MD, MPH, FAAFP*

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Poster Session Walk Rounds

Ballroom Foyer

Nicholas MG Friedman, Editor-in-Chief, Journal of Collegiate EMS, Moderator

Walk through the poster displays and listen as authors discuss their original campus EMS research and unique campus programs. Ask questions of the authors as they stand by their work.

2018 Posters:

1. Jesse Epstein - Skidmore College EMS - *Stop the Bleed at Skidmore College*
2. Mark Forgues - MIT EMS - *Designing Safety Into Ambulances*
3. Gregory Kantor - Muhlenberg EMS - *Utilizing a Scramble Crew Approach to Achieve 24-Hour Response*
4. Kevin Kung - MIT EMS - *An Ambulance Anti-idling System*
5. Thomas Martin - Brown EMS - *Optimizing Collegiate EMS Resources During Major Events*
6. Thomas Martin - Brown EMS - *Feasibility of Asynchronous Learning in Collegiate EMS*
7. Anjali Misra - MIT EMS - *Cardiac Health and Stroke Awareness Month (CHASAM)*
8. Katarzyna Nowacki - Eckerd College ERT - *Continuing Care with the Eckerd College ERT*
9. Gabrielle Ramirez - Penn MERT - *MCI Training Program: Evaluation and Future Directions*
10. Elizabeth Woodburn - Illini EMS - *Implementation of a Unique Online Member Orientation Program*
11. Jusitn Zaslavsky - Tufts EMS - *Upstream of EMS Overutilization: The Tufts First Aid Kit Project*
12. Tianna Zhou - Yale EMS - *Expanding Collegiate EMS Agencies: Challenges and Opportunities*

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

Managing Crashing Patients in the Field - Reducing 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 operation parameters associated with these patient suffering cardiac arrest in the field during care. A management algorithm will be proposed to provide more effective aggressive prehospital care to these patients and improve outcomes. QI data from an urban EMS system will be reviews highlighting the effective ness of this strategy.

Street Ethics: Decision Making in Crises

Freedom F

Mark Forgues, MEd

The concept of ethics and ethical decision-making is not well covered in EMT and paramedic courses. However, a study found that ethical conflicts arose in 14.4% of paramedic responses. Twenty-seven percent of the conflicts involved issues of informed consent, such as refusal of treatment or transport, conflicts of hospital destination, treatment of minors, and consent for research. Difficulties regarding the duty of the paramedics, usually under threatening circumstances, accounted for 19% of the dilemmas encountered. Requests for limitation of resuscitation accounted for 14%. Other circumstances that presented ethical conflicts involved questions of patient competence, resource allocation, confidentiality, truth telling, and training (Adams JG, et al. Ethical conflicts in the prehospital setting. *Ann Emerg Med* 21 (10): 1,259-65, 1992). There is significant data indicating that much more training is needed in this area. This program utilizes situations that pose ethical conflicts in the pre-hospital arena and offers some possible answers through group discussions and interaction with the instructors. Viewpoints are explored with the final decision tree culminating in what is in the patient's best interest.

"Just Syncope," Or Is Death Knocking?

Freedom G

Cameron Decker, MD, LP, FACEP

It's easy to write off syncope when the patient looks and feels well, but that decision could cost the patient their life. Learn what subtle historical and exam features of syncope make even the most stoic ER doc's sphincter tighten. Identify the ECGs most closely tied with death after syncope, and explore what silent illness could be hiding in the next patient you see who "just passed out."

CPR Quality and Training to Save Lives from Cardiac Arrest

Freedom H

Benjamin Abella, MD, MPhil

Over 350,000 people suffer cardiac arrest each year in the United States, with an overall survival to hospital discharge rate of 10%. Cardiopulmonary resuscitation (CPR) represents a cornerstone of resuscitation care, and can be provided by members of the lay public, police and EMS responders. This lecture will describe the mechanics of CPR delivery, providing evidence for the importance of CPR quality in clinical outcomes. In addition, insights into current CPR training among US adults will be shared, including new data on age and gender disparities. Finally, new approaches to improving CPR training and delivery will be discussed.

You Took What? Recognizing Toxidromes

Independence A

Joseph Grover, MD

Drug ingestions remain a common complaint for collegiate EMS agencies. Little time is spent in most EMT-B courses describing the different toxidromes. The purpose of this lecture will be to break down common toxidromes to give providers a better understanding of how to recognize and treat common drug ingestions.

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Fluid Resuscitation Without An IV: EMTs Treating Shock

Independence B

Kenneth Navarro, MEd

Aggressive out-of-hospital fluid administration to patients suffering from traumatic injury increases blood loss and mortality. Recently, researchers developed an easy to use device that will increase blood return to the heart thereby increasing cardiac output and cerebral perfusion, while simultaneously lowering intracranial pressures (ICP). This new therapy requires no IV, no advanced airway, and in fact, no advanced skills of any kind. This presentation will examine how rescuers can provide beneficial fluid therapy without ever having to spike an IV bag.

Harvey, Irma and Maria. The Unholy Trinity of 2017

Independence C/D

Gary Hecker, RN, CCRN

2017 was an extremely active hurricane season. Three major storms hit different parts of the United States in a relatively short period of time. As a result local, state and federal resources were stretched to their limits. In this session we will discuss the initial and long term health effects faced by storm survivors. We will talk about the principles of disaster medicine including: Preparation, Mitigation, Response and Recovery. We will identify how the different levels of government response interact with each other. The presenter will also talk about his deployments to Florida and Puerto Rico as part of a federal Disaster Medical Assistance Team.

Envisioning the Future: An EMS Agenda 2050 Town Hall

Philly North

Jon Krohmer, MD and Michael Gerber, MPH, NRP

Two decades ago, the EMS Agenda for the Future brought our diverse profession together to describe a plan for EMS. Some recommendations from the Agenda became reality, while others remain unattained goals. Now, the EMS community has embarked on a journey to create a new vision for the future of EMS--a vision that will be implemented and lived out by providers just entering EMS today. In this session, leaders of the EMS Agenda 2050 project will engage you in a discussion about what the future of EMS should look like. This is your chance to be a part of creating an EMS system that truly meets the needs of patients and communities across the nation. Bring an open mind and your dreams for the future of EMS and be prepared to share, listen and learn.

Prehospital Ultrasound: Useful Tool or Useless Stool?

Philly South

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

Emergency Medical Services agencies are usually quick to adopt new technologies. Ultrasound has been around for decades but has only recently been incorporated into prehospital protocols. Whether you're affiliated with critical care transport agencies or a collegiate based EMS squad, there is likely an indication that suits your system's needs. Review relevant case studies and recent literature about the use of this technology and explore ways in which it can enhance the delivery of prehospital care. Engage in case based discussion and hands on practice!

From Awkward to Awesome:

Salon 5/6

Turning Difficult Dialogues into Exquisite Exchanges

Eric Garrison

Have you ever resorted to an email or text, because a face-to-face interaction would feel too weird? Before a disciplinary action, do you talk to crew to figure out what they did wrong above all else? Have you or a member of your crew dated and broken up (or perhaps are still happily dating!) a peer and that has become an uncomfortable situation? Have you left a meeting with campus police or "the administration" feeling like less of a person? Finally, have you avoided any communication whatsoever (or micromanaged the communication), hoping that the problem would just resolve itself? If you answered yes to one of the above, Eric Garrison, an international speaker on healthy relationships, invites you to learn how to craft a more effective communication style. This inspirational program is useful for anyone in collegiate EMS, whether you are a leader (with or without a position), a follower, a mentor, or protégé.

Roundtable: QA/CQI

Salon 3/4

Frank Caria, MPA, CHC, AEMT

This roundtable discussion is dedicated to current issues in Quality Assurance and Continuous Quality 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: Fundraising and Financing

Salon 10

Matthew Ricci, MPA, David Afienko and Lucas Rappert, 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.

Skills Lab: Emergency Equipment Removal

Salon 2

in Intercollegiate Athletics: Tools for Acute Management

John Smith, MS, LAT, ATC and Daniel Baer, MS, LAT, ATC

Conference Schedule - Saturday, February 24, 2018

Sport participation constitutes the fourth most common cause of spinal cord injury in the United States. In individuals 30 years and younger, which includes the college population, sport participation is the second most common cause of spinal injury. Based on current evidence for managing cervical spine injuries in athletes, the National Athletic Trainers' Association now recommends, when appropriate, that protective equipment be removed prior to emergency transport. Athletic trainers are usually the first responders on site for campus athletic emergencies. Therefore, effective management of catastrophic athletic injuries requires collaboration between collegiate EMS providers and athletic trainers on campus. Additionally, EMS providers should be familiar with various types of athletic equipment in order to assist with safe equipment removal prior to transfer of care. This hands-on skills session will 1) demonstrate the importance of collaboration between collegiate EMS providers and athletic trainers, and 2) introduce participants to the equipment and skills required for safe removal of various types of athletic equipment. Specifically, this session will expose participants to different types of helmets, shoulder pads, and other protective equipment. Participants will practice using the tools required for safe removal of equipment.

Skills Lab: Simulation Scenarios

Logan

Doing the Best You Can: Pre-hospital care in Afghanistan

Aaron Saguil, MD, MPH, FAAFP

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

Mezzanine Foyer

Take a brief break, grab a cookie, and recharge. More learning ahead!

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

Forensic Pathology for Emergency Responders: A Primer

Freedom E

Lindsay Simon, MD

Forensic pathology is the field of medicine in which sudden, unexpected, and/or unnatural deaths are investigated in order to determine the cause and manner of death. This session aims to inform emergency responders of how death investigations work and provide guidance on forensic scenarios they may encounter in the course of their work.

Active Shooter Consequence Management

Freedom F

David Adler, MPS, NRP, TP-C

University 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 learn what the data says about when attacks occur, and what measures your squad can take to reduce morbidity and mortality in your service area in an active shooter event.

Earn Money Sleeping: Sleep Loss and Fatigue in EMS

Freedom G

Amy Eisenhauer

Fatigue and poor sleep hygiene are so commonplace in EMS that we accept it as the norm. Increased public awareness of fatigue related accidents, medical errors, and first responder mental health, challenges providers and leaders to examine the priority of sleep in their lives and agencies. Amy will discuss the importance of quality and quantity of sleep, related physical and mental comorbidities of poor sleep hygiene, and tools for providers to improve their sleep methods and environment.

CPR-induced Consciousness: Don't Go Into the Light.

Freedom H

Kenneth Navarro, MEd

Over the past decade, many EMS systems in this country have placed a renewed emphasis on providing high-quality CPR. One potential consequence of improvements in chest compression quality is CPR-induced consciousness or awareness. In addition to standard ACLS care, patients who exhibit this phenomenon may need treatment interventions not normally provided to other victims of cardiac arrest. This presentation will examine the available evidence surrounding this increasingly occurring phenomenon.

The Opioid Crisis: The big picture and a state's perspective

Independence A

Mark Milliron, MS, MPA, MHS

As the problem of increasing opioid overdose deaths has become a health emergency, EMS has an important role: To save the overdose patients' lives so that they may seek treatment. Because EMS sees many repeat overdoses, the public and EMS begins to believe that naloxone is "enabling" or futile. Without an understanding of the effect of opioids on the brain, people think that addiction is a "moral failing" made by people who "chose" to use. The public stereotypes opioid users without understanding that it is a disease of chronic relapse. Pennsylvania has adopted public health initiatives to address this problem. These initiatives include declaring a public health emergency, grants to obtain naloxone for emergency responders, standing order for the public to obtain naloxone from pharmacies, "warm handoff" to transfer patients from emergency departments to treatment facilities, Physicians Drug Monitoring Program, new prescribing

Conference Schedule - Saturday, February 24, 2018

guidelines, continuing education, medication-assisted treatment programs, drug drop boxes and disposal bags, alternative justice programs and drug courts keeping patients out of jail and connected to their families and social support systems, and legislative initiatives to improve patient access to treatment. By intervening and saving patient lives, EMS is the beginning of allowing patients to access these opportunities.

The Crashing Asthmatic

Independence B

Evan Kuhl, MD

Asthma is a chronic inflammatory respiratory condition affecting 8% of the US population and although most patients can be managed with inhaled medications and steroids, certain patients are at risk for severe attacks requiring invasive therapies. This presentation will focus on the treatment and management of patients with near-fatal asthma. We will review the physiology of asthma and the mechanism of current therapies. The use of positive pressure ventilation, as well as capnography will be covered. Ketamine and delayed-sequence intubation will also be discussed, and ECMO will be introduced as a treatment for crashing asthmatics. This presentation is targeted for those interested in expanding their knowledge and comfort with critically ill patients and will introduce many ALS techniques and treatments for those unfamiliar.

Intentional and Unintentional Mass Casualty Events: A Primer *Independence C/D*

Adam Fox, DO, FACS

Since the year 2000, the US has seen increasing numbers of intentional mass casualty events as well as a large number of unintentional mass casualty events. There are no jurisdictions who are immune from having to deal with one of these events. To that end, each EMS agency needs to recognize the importance of preparing/planning/responding to these situations. This talk will review the basic terminology and important aspects of gearing up to successfully respond to any disaster.

EMS: History, Future, and the Things That Matter

Philly North

Michael Smith, MD, FAEMS

An important aspect of continuing education is that it truly be "continuing"- that is, the opportunity to be exposed to information you've never read in a textbook. During this one-hour session we will review the last 3,000 years of the history of Emergency Medical Services, and then take a look at the exciting and challenging horizon of what the future may bring.

Make It Yours:

Philly South

Customizing Your Vehicles, Equipment, and Technology

Kyle Kotowick, MASc

Every EMS agency is different and has different requirements for its vehicles and equipment. We often find ourselves in a position where the products we purchase, or the products that are purchased for us, are not fully effective at meeting our needs. Unfortunately, hiring professionals to customize these items is prohibitively expensive and we usually just suffer through or develop inefficient workarounds. As collegiate services, we have direct access to some of the brightest minds in design and engineering at our respective institutions. By applying this knowledge to identify material or technological barriers, and combining it with some elbow grease to develop innovative solutions, we can drastically reduce both the small frustrations we deal with daily as well as some of the major items that inhibit our performance. This talk delves into the possibilities for customizing our own equipment, from ambulance electronics to medical notepads, including several case studies from MIT EMS with a focus on the process that is needed to complete customizations safely and effectively.

EMS to Med School: NCESMF Alum Experiences and Q&A

Salon 5/6

Meghann Zapcic and Ryan Desrochers

Are you interested in applying to medical school? Two recent NCESMF alumni recount their experiences transitioning between undergrad and medical school, from the application process to how much patient interactions change just by putting on a white coat. Come hear about how collegiate EMS experiences have both helped and challenged us through this transition with lots of time for Q&A at the end.

Roundtable: Building an Alumni Network

Salon 3/4

Joshua E. Glick, MD, NCESMF Alumni Coordinator

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.

Roundtable: Training

Salon 10

Zachary Matuzsan, DO, Tom Renner, and Gabe Gan, NCESMF Regional Coordinators

For this roundtable discussion, NCESMF 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.

Conference Schedule - Saturday, February 24, 2018

Skills Lab - Tabletop Exercise 101: A Hands on Experience

Salon 2

John Jermyn

Have you had the opportunity to participate in a disaster exercise or drill? Here's your chance to become a player in a tabletop exercise! During this tabletop exercise you will be presented with an emergency scenario with ongoing event injects. You will work together with fellow EMS crewmembers attending this session to identify what your actions and decisions would be as if you were on the scene of the job. This discussion based exercise will conclude with a group hot wash for players to share their thoughts on the exercise and to discuss positive and negative feedback on their performance. Gaps and concerns (lessons learned) will be used to revise plans and improve future outcomes.

Skills Lab: In-flight Medical Emergencies

Salon 9

Robert Katzer, MD, MBA

In-flight medical emergencies are not uncommon occurrences on commercial aircraft. The environment of an aircraft cabin consists of a loud, confined space without direct access to established medical care, and healthcare providers have noted they find this a difficult environment in which to render aid. The general public relies on Good Samaritan healthcare providers to respond to these emergencies. This session details pertinent flight physiology, law, equipment, procedures, and medical resources available to the volunteer responding healthcare provider during an in-flight medical emergency.

Skills Lab: Simulation Scenarios

Logan

Doing the Best You Can: Pre-hospital care in Afghanistan

Aaron Saguil, MD, MPH, FAAFP

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

Introduction

Joshua A. Marks, MD, FACS, NCEMSF Secretary

From Campus EMS to Blood on the Helicopter

George J. Koenig, Jr, DO, MS, FACS, NCEMSF President

The image of sitting in the Red Cross Advance First Aid course when I was 14 has never faded from my memory. I still remember people in the class asking why I was taking the course. To them it was unfathomable, since one had to be 16 to ride on the ambulance. Fast forward, a couple of years later to college, similar situation. Now it was administrators challenging how it was possible for college kids to take care of sick and injured patients. Fast forward again, now it is the blood bank questioning a request to transfuse blood on our helicopters. Looking back at my involvement in EMS for over 25 years, it has become readily apparent that my involvement in EMS was formative in providing me with an approach to solve problems. This lecture will highlight these formative moments and encourage you to reflect on your own experiences in EMS and how they can impact your future.

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 also be acknowledged.

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/Terrace

Campus EMS Alumni are invited to join NCEMSF leadership for a 25th Anniversary 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.

Conference Schedule - Saturday, February 24, 2018

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 35 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...



The image features a large, white, serif font "JCEMS" overlaid on a background photograph. The photograph shows a white ambulance with "JCEMS" and "EMERGENCY MEDICAL SERVICES" on its side, parked in front of a brick building with large windows. The ground is covered in snow, and bare trees are visible in the background. Below the "JCEMS" text, the website "CollegeEMS.com" is written in a smaller, white, serif font. In the bottom right corner, there is a circular seal for "THE JOURNAL OF COLLEGIATE EMERGENCY MEDICAL SERVICES" with "JCEMS" in the center. The seal features a caduceus and an open book. At the bottom of the image, a blue banner contains the text "The Official Peer-Reviewed Journal of the National Collegiate Emergency Medical Services Foundation" in white, italicized font.

JCEMS
CollegeEMS.com

*The Official Peer-Reviewed Journal of the
National Collegiate Emergency Medical Services Foundation*

Schools in Attendance

*At the time of publication, the following 104 universities (1,098 + 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>
Arizona State University	10	AZ	Central	BLS	QRS
Bard College	8	NY	New York	BLS	QRS
<i>Binghamton University</i>	33	NY	New York	ALS	Ambulance Transport
Boston College	8	MA	Massachusetts	BLS	QRS
<i>Brandeis University</i>	11	MA	Massachusetts	BLS	QRS
<i>Brown University</i>	6	RI	Northeast	ALS	Ambulance Transport
<i>Carnegie Mellon University</i>	10	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	16	OH	Midwest	BLS	Transport
Christiansburg Rescue Squad	3	VA	Mid Atlantic	ALS	Ambulance Transport
Clark University	13	MA	Massachusetts	FR	QRS
Clarkson University	8	NY	New York	BLS	QRS
Colby College	2	ME	Northern New England	BLS	QRS
Colorado College	5	CO	Central	BLS	QRS
<i>Columbia University</i>	14	NY	New York	BLS	Ambulance Transport
<i>Cornell University</i>	10	NY	New York	BLS	Non-Emergent Transport
<i>Dartmouth College</i>	5	NH	Northern New England	BLS	QRS
Drexel University	25	PA	Pennsylvania	BLS	QRS
Duke University	13	NC	Southeast	BLS	QRS
Eckerd College	25	FL	Southeast	FR	QRS
Embry-Riddle Aeronautical University	3	FL	Southeast	BLS	QRS
Emmanuel College	10	MA	Massachusetts	FR	QRS
<i>Emory University</i>	3	GA	Southeast	ILS	QRS
Florida State University	1	FL	Southeast	BLS	QRS
Fordham University	20	NY	New York	BLS	Ambulance Transport
Franklin and Marshall College	1	PA	Pennsylvania	BLS	QRS
<i>Georgetown University</i>	23	DC	Mid Atlantic	BLS	Ambulance Transport
Gettysburg College	4	PA	Pennsylvania	EDU	Education
Harvard University	17	MA	Massachusetts	BLS	QRS
John Carroll University	5	OH	Midwest	BLS	QRS
Johns Hopkins University	1	MD	Mid Atlantic	BLS	QRS
Juniata College	4	PA	Pennsylvania	BLS	QRS
<i>Lehigh University</i>	7	PA	Pennsylvania	BLS	QRS
Loyola Marymount University	10	CA	West	BLS	QRS
Macalester College	1	MN	North Central	BLS	QRS
Massachusetts Institute of Technology	14	MA	Massachusetts	BLS	Ambulance Transport
McMaster University	3	ON	Canada	BLS	Non-Emergent Transport
Mount Holyoke College	4	MA	Massachusetts	BLS	QRS
Muhlenberg College	13	PA	Pennsylvania	BLS	QRS
Northeastern University	10	MA	Massachusetts	Startup	
Norwich University	1	VT	Northern New England	BLS	Non-Emergent Transport
<i>Pennsylvania State University</i>	7	PA	Pennsylvania	BLS	Ambulance Transport
Queen's University	12	ON	Canada	FR	QRS
Radford University	10	VA	Mid-Atlantic	BLS	QRS
<i>Rensselaer Polytechnic Institute</i>	8	NY	New York	BLS	Ambulance Transport
Rice University	5	TX	Central	ILS	QRS
Rochester Institute of Technology	21	NY	New York	BLS	Ambulance Transport
Rowan University	12	NJ	Northeast	BLS	Ambulance Transport
Ryerson University	1	ON	Canada	BLS	Event
Saint Anselm College	10	NH	Northern New England	BLS	QRS
Saint Michael's College	4	VT	Northern New England	ILS	Ambulance Transport
Santa Clara University	10	CA	West	BLS	QRS
Skidmore College	13	NY	New York	BLS	QRS

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCESF Region</u>	<u>Type</u>	<u>Sub-Type</u>
St. Lawrence University	5	NY	New York	BLS	QRS
Stanford University	2	CA	West	BLS	Event
Stockton University	9	NJ	Northeast	BLS	QRS
<i>SUNY Albany</i>	12	NY	New York	BLS	Ambulance Transport
SUNY Canton	6	NY	New York	BLS	QRS
<i>SUNY College at Cortland</i>	10	NY	New York	BLS	QRS
SUNY Geneseo	7	NY	New York	BLS	QRS
<i>SUNY Oneonta</i>	10	NY	New York	BLS	QRS
<i>SUNY Oswego</i>	12	NY	New York	BLS	Ambulance Transport
<i>SUNY Stony Brook</i>	14	NY	New York	ALS	Ambulance Transport
<i>Syracuse University</i>	8	NY	New York	BLS	Ambulance Transport
Temple University	2	PA	Pennsylvania	BLS	QRS
Texas A&M University	18	TX	Central	ALS	Ambulance Transport
The College of New Jersey	3	NJ	Northeast	BLS	QRS
The George Washington University	38	DC	Mid Atlantic	BLS	Ambulance Transport
The University of Texas at Dallas	3	TX	Central	BLS	QRS
<i>Tufts University</i>	11	MA	Massachusetts	BLS	Non-Emergent Transport
<i>Tulane University</i>	11	LA	Central	BLS	Ambulance Transport
United States Merchant Marine Acad	8	NY	New York	BLS	Ambulance Transport
University of Arizona	6	AZ	Central	BLS	QRS
University of California-Los Angeles	6	CA	West	BLS	Ambulance Transport
University of Chicago	6	IL	North Central	FR	Event Standby
University of Dayton	11	OH	Midwest	BLS	Ambulance Transport
University of Delaware	21	DE	Mid Atlantic	BLS	Ambulance Transport
University of Florida	5	FL	Southeast	BLS	QRS
University of Guelph	1	ON	Canada	BLS	QRS
University of Ill. at Urbana-Champaign	25	IL	North Central	BLS	Event Standby
University of Iowa	5	IA	North Central	EDU	Education
<i>University of Massachusetts Amherst</i>	29	MA	Massachusetts	BLS	Event Standby
University of Massachusetts Lowell	12	MA	Massachusetts	BLS	QRS
University of New England	10	ME	Northern New England	BLS	QRS
University of Pennsylvania	19	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	28	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	37	RI	Northeast	BLS	Ambulance Transport
University of Richmond	8	VA	Mid Atlantic	BLS	QRS
<i>University of Rochester</i>	12	NY	New York	BLS	QRS
University of Southern California	2	CA	West	BLS	QRS
University of the Sciences Philadelphia	4	PA	Pennsylvania	Startup	Startup
<i>University of Vermont</i>	9	VT	Northern New England	ALS	Ambulance Transport
University of Western Ontario	3	ON	Canada	FR	QRS
University of Windsor	2	ON	Canada	BLS	QRS
Utica College	5	NY	New York	BLS	QRS
Vassar College	8	NY	New York	BLS	Non-Emergent Transport
Vermont Technical College	2	VT	Northern New England	BLS	QRS
<i>Villanova University</i>	17	PA	Pennsylvania	BLS	Ambulance Transport
<i>Virginia Polytechnic Institute</i>	22	VA	Mid Atlantic	ALS	Ambulance Transport
Wake Forest University	21	NC	Southeast	BLS	QRS
<i>Washington University - St. Louis</i>	8	MO	Central	BLS	QRS
West Chester University of PA	11	PA	Pennsylvania	BLS	QRS
<i>Western Carolina University</i>	4	NC	Southeast	BLS	Ambulance Transport
<i>Worcester Polytechnic Institute</i>	12	MA	Massachusetts	FR	QRS
Yale University	4	CT	Northeast	BLS	Event Standby

Italicized schools participated in the first NCESF Conference 25 years ago

Conference Schedule - Sunday, February 25, 2018

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

8:00 am - 9:00 am *Workshop Session 9 - Young Alumni Series*
When a Patient is Circling the Drain - Do THIS *Freedom E*
Jordan Marks, MD

Screaming, bleeding, unconscious, pulseless - your patient isn't looking so hot. When it's up to you and your equipment to keep someone alive, it's keeping it chill that counts. Whether ALS or BLS, there are a handful of critical, insanely easy actions you should be doing now to save lives. In this interactive and relaxed case based lecture, learn the evidence proven interventions that YOU need to do NOW to stop your next patient from circling the drain.

Did He Say the "D" Word?! "Diagnosis" in Prehospital Care. *Freedom F*
Jacob Miller, MS, FNP, ACNP, FP-C

Many EMS practitioners have been taught in their curriculum that field providers don't "diagnose". While this *might* be technically accurate (although debatable), we do form field impressions and differential diagnoses to guide our prehospital care. This presentation will focus on the diagnostic process and provide tips to improve your patient history and physical to help clue you in on what may be causing your patient's symptoms and guide your prehospital treatment and disposition.

Developing a Collegiate EMS Mental Health Task Force *Freedom G*
Nicholas M.G. Friedman and Brittany J. Dinger and Jesse A. Epstein

Collegiate EMS providers frequently respond to mental health emergencies, despite receiving minimal formal training in traditional EMS courses. Concurrently, collegiate EMS providers are exposed to high levels of chronic and acute stress, which may increase their risk for the development or exacerbation of mental illnesses. In this presentation, we will 1) review research on mental health risks encountered by both college-aged students and first responders; 2) describe training options for providers to effectively respond to mental health emergencies; and 3) present practical advice for designing a peer-led program to promote utilization of professional resources and self-help strategies. We will illustrate the opportunities and challenges associated with developing such a program through a case-based study of a Mental Health Task Force at a collegiate EMS organization. In addition, we will present preliminary findings from a quantitative and qualitative investigation of the efficacy of the Mental Health Task Force.

Pediatrics in the Prehospital Environment *Freedom H*
Hendrik Bilek, RN

So lets face it, when was the last time you had to treat a pediatric patient? Children can be among the most challenging patients to assess and treat. From asthma to child abuse, and everything in-between we will cover the most common and bizarre illness that I have encountered both in the prehospital setting and working in the nation's leading children's hospital's emergency department. We will also cover the different stages of development, the major anatomical differences between adults and kids, and how to perform an accurate pediatric assessment, including assessing between sick and not sick patients. Most patients will let us auscultate their stridor or palpate their abdomen, but with a fussy and difficult child this can often be a challenge. Treating pediatrics is more than just reaching for the Broselow bag.

Lights, Camera, MEDIC! *Independence A*
Gabe Gan

EMS professionals are often contracted to perform "set medic" duties on productions of all types. This lecture will explain the intricacies of operating as a medical provider on set, including common injury and illness patterns, production terminology, necessary supplies, and preplanning best practices. In addition, relevant case studies from actual productions will be presented and discussed.

EMS Leadership and Management 101 *Independence B*
Nicholas Witczak

From the incident scene to the meeting table, leadership and management is vital to the success of every EMS organization. This presentation will provide the foundation on which members of EMS organizations can recognize the different forms of management used in their organizations and develop their own leadership skills by focusing on several basic key leadership principles and management topics.

Rescue and Resuscitation of a Drowning Victim *Independence C/D*
Tommy Renner

Drowning takes the lives of an estimated 372,000 people each year, many of whom are children. Even more people suffer from the effects of non-fatal drownings. The good news is that all drownings are preventable. This presentation will look at drowning through an ocean lifeguard and public health perspective. Attendees will learn how improve the outcomes of drowning victims by understanding proven prevention, rescue and resuscitation techniques. TLDR; AHA recommends ABC over CAB for drowning victims. OXYGEN, OXYGEN, OXYGEN!

Conference Schedule - Sunday, February 25, 2018

Cardiac Trauma:

Philly North

When What You Need Beating, Takes a Beating

Chris Wend, NRP

Major trauma to the heart can cause detrimental, and often fatal, effects. While not normally taught in EMS curricula, cardiac trauma can present clinically in a wide range of ways, from simple arrhythmias to sudden cardiac arrest. In this presentation, we'll go through the types of blunt cardiac injuries, and possible basic and advanced treatments of these injuries in the field.

Special Considerations for Refusals of EMS Transport in Collegiate Populations

Philly South

Jacqueline Cavendish

This presentation will explore how to assess competency and capacity to refuse Emergency Medical Services (EMS) transport, with special considerations for a collegiate population. We will explore many of the reasons why college students refuse EMS transport and review several cases that highlight the difficulty of refusals on a college campus. Particular focus will be placed on processing refusals if the patient is younger than 18 years of age, acutely intoxicated, or having a drug overdose. We will also discuss medical amnesty policies that allow students to request EMS evaluation and transport for the use of alcohol or drugs without judicial consequences.

Emergency Preparedness and EMS

Salon 5/6

Andrew Rosenblum

This session will introduce the major topics in emergency preparedness as applied to the EMS community. The focus will be on modern hazards and preparedness for the disaster life cycle. Emphasis will be on EMS planning strategies, issues affecting willingness to respond, disaster mental health and crisis communication. Examples will touch on the differences between types of hazards, such as pandemic influenza versus an active shooter, and strategies to strengthen the EMS system.

Roundtable: Startup

Salon 3/4

Joseph M. Grover, MD, NCEMSF Startup Coordinator

Daniel McConnell, NCEMSF Asst. 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.

Roundtable: Administrator/Advisor/Medical Director

Salon 10

Michael S. Wiederhold, MD, MPH, NCEMSF Treasurer

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.

Skills Lab: Introduction to Technical Rope Rescue & Knot Tying

Logan

Christopher Feder and Kevin Swan

This session will teach you to identify the need for rope rescue equipment and provide you with a hands on application of rope rescue skills. You will learn basic knot tying, how to package and move a patient using a sked, and how to tie a swiss seat for rappelling.

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

Safety Is Third, and We All Know It

Freedom E

Christopher Davis, MD, FAWM

"Safety First" is a commonly used phrase that is simply not an honest representation of the complex process of risk-assessment that occurs during every emergency response. Supposing that safety truly is the "first priority" is to discount the great risk and danger we all willingly expose ourselves to in the name of accomplishing our mission: to save lives and stabilize incidents. We have proposed safety takes a back seat to 1. "Getting it done" and 2. "Having fun." It is time to seriously reexamine the way we think about risk mitigation in emergency services. This needs to start with changing the way we train to think about risk and throw out the mantra "is the scene safe?" We need to listen to ourselves when something just doesn't feel right on a scene, and suddenly we're not having too much fun anymore. Finally, as a community, we need to reexamine our collective risk tolerance and our traditionally reactionary approach to safety in regulations and policy. By training in a "Safety Third" approach, we contend we are actually safer and more effective than by putting "Safety First."

Diabetes: The Highs and Lows

Freedom F

Carrie Matuzsan, LSW, MS

Think you know diabetes? What about type 1 vs. type 2? The symptoms of the highs versus the low? Come enjoy a review of the basic fundamentals that guide prehospital diabetes care and what signs to watch out for. Learn about diabetes technology including insulin pumps and continuous glucose monitors. See what

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coming through the pipeline with new diabetes research and the artificial pancreas. By the end of this lecture, you'll be an expert!

Disaster Response 101: Hurricane Maria in Puerto Rico

Freedom G

Robert Cohen, MPA and Benjamin Krakauer, MPA

On September 20, Hurricane Maria struck Puerto Rico as a Category 4 storm, causing flooding, wind damage, widespread power outages, and collapses of roads, bridges, and potable water infrastructure. NYC Emergency Management deployed several teams to assist Puerto Rico's response efforts. This presentation will feature two NCEMSF alum who were deployed to Puerto Rico. The presenters will review disaster medical operations and urban area disaster response, and will also discuss how collegiate EMS agencies can improve their readiness for responding to complex emergencies.

Sense & Sensitivity:

Freedom H

Trauma-Informed Responses to Sexual Assault Calls

Eric Garrison

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 thrive? 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 member 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.

The Art of Airway

Independence A

Benjamin Smith, MD

"Victorious warriors win first and then go to war, while defeated warriors go to war first and then seek to win." Successful airway management requires a controlled, systematic approach regardless of the situation. This case-based lecture will prepare you to tackle all airways from the simple to the complex. We will cover common pitfalls in airway management and how to avoid them. From the novice intubator to the seasoned paramedic, this lecture will help you be more prepared for your next airway.

Stroke Recognition and the Benefits of Proper Stroke Triage

Independence B

Joseph Grover, MD

In 2015, five articles were published in the New England Journal of Medicine which have revolutionized the care of stroke patients in the United States. These papers demonstrated significant benefit for patients with large vessel occlusions to undergo intra-articular thrombolysis. EMS systems around the country have been faced with the need to adjust their protocols to address these new therapies. This lecture will discuss stroke recognition, describe the changing management of stroke, and also discuss the future of EMS stroke bypass.

Baby, It's Cold Outside!

Independence C/D

Marjorie Mazie

Drawing on field-based evidence and thermophysiological research, this presentation will dispel many of the myths surrounding hypothermia. We will discuss the realities of dealing with hypothermic patients and local cold injuries in remote circumstances when help is hours to days away.

Important EMS Research from 2017-2018

Philly North

Kenneth Navarro, MEd

This presentation will review the results of five research studies published in 2017/2018 that may change the way EMS personnel care for patients in the near future. This session will examine a novel approach to increasing cerebral perfusion for patients receiving chest compressions, IO and IV access in the management of out-of-hospital cardiac arrest, an alternative technique for providing chest compressions to infants, the effect of body camera use on the accuracy of EMS documentation, whether EMTs can safely use CPAP in the absence of paramedics. The presenter reserves the right to substitute late-breaking science for previously selected studies.

Germs Gone Wild.

Philly South

Emerging and Re-emerging Infectious Diseases

Gary Hecker, RN, CCRN, AEMT-CC, CIC

Zika, SARS, MERS, EBOLA. It seems like there is a new disease to worry about every few months. Some oldies but goodies like Measles and Mumps are making a come back as well. In this session we will review the principles of disease transmission and barrier precautions (BSI, Standard/Universal precautions). We will identify and discuss various diseases of recent interest including Zika, EBOLA, MERS, Mumps, etc. We will also review the Center for Disease Control (CDC) new Crisis and Emergency Risk Communication (CERC) plan used as new diseases emerge. Strategies and tactics for the EMS provider to handle these situations will be discussed.

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Health Care Focus@

Salon 5/6

Evolution of Prevention Interventions in Community Nursing Practice Centers

Diane Breckenridge, PhD, MSN, RN, ANEF

The evolution of a theoretical framework developed by Breckenridge as a Health Care Focus@ with Primary, Secondary and Tertiary Prevention Interventions for Community Nursing Practice was implemented first in a Philadelphia Center City Tertiary Care Hospital. Continued research has cumulated in the newest publication: Celebrating Academic Practice Partnerships (March 2017) which includes Nursing Practice Centers throughout the USA and Globe including the ongoing community work Breckenridge and others have done in the Netherlands, Canada, Wales, and Belgium, since 1996, and most recently at the 16th Annual Symposium at the University of Utrecht in the Netherlands, June 2017. This ongoing work gives an evolution and Community Nursing Practice Center perspective related to colleges and health care systems in the USA and Globe.

Roundtable: Technology

Salon 3/4

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

Ian Feldman, 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?

Skills Lab: Introduction to Technical Rope Rescue & Knot Tying

Logan

Christopher Feder and Kevin Swan

Collegiate Resuscitation Officer Program - Part 1

Salon 9

Cardiac arrest often strikes seemingly healthy individuals without warning and without regard to age, gender, race, or health status. In this 3 part program, participants will explore the opportunities for implementing cardiac arrest guidelines, innovations and best practices in cardiac arrest systems of care. This immersive program, supported by the Citizen CPR Foundation features a diverse and experienced faculty roster and is designed to give attendees the information, insight and best practices to improve out-of-hospital cardiac arrest resuscitation outcomes in a collegiate setting.

Faculty: Kevin Seaman, MD, Richard Shok, RN, Mark Forgues, MEd, Anjali Misra, Kori Burz, and David Hiltz

Those attending all three sessions will receive a certificate from the Citizen CPR Foundation and a Resuscitation Officer lapel pin.

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

Cancer Prevention in Fire and Emergency Services

Freedom E

Brian Brauer, EdD

Firefighters are at more than twice the risk for certain cancers than the general public because of the products of combustion to which they are exposed. EMS agencies that support fire agencies in training activities or at working fires are at risk for the same exposures. This presentation will share three recent studies conducted by the Illinois Fire Service Institute in partnership with NIST, NIOSH, and UL in the form of ten recommendations for reducing exposures while working at fire scenes.

Syncope - Falling With Style

Freedom F

Zachary Matuzsan, DO

People pass out all of the time. But what causes syncope, or a temporary loss of consciousness, and is it dangerous? Come enjoy a deep dive on the transient unconsciousness - syncope. Learn the most common conditions that lead to syncope and some of the red-flag signs and symptoms on your assessment that may indicate a more insidious cause. Review some of the basics of EKGs as it relates to syncope and the treatments. By the end, you'll be an expert!

Hazmat and Hate: When Hate Groups Come To Your Campus

Freedom G

Benjamin Abo, DO, EMT-P, FAWM

Think you're ready for White Supremacists or hate groups to come to your campus? Despite a lot of First Amendment discussions and attempts to curb violence and hatred, Richard Spencer was scheduled to speak at the University of Florida in Gainesville not even months after deadly violence because of protests and anti-protests in Charlottesville. A significant amount of planning went into this visit to mitigate threats from all angles. This session will dive into the potentials and plans of this mass casualty filled with hate.

The Idiot's Guide to Not Being an Idiot

Freedom H

Robert Cohen, MPA and Benjamin Krakauer, MPA

Collegiate EMS is about leadership and teamwork under pressure. Providing patient care, balancing a budget, training new and not-so-new members, and managing relationships with university administrators, student groups, and other EMS agencies all require different leadership skills and the ability to work with different teams. This presentation will discuss what makes a leader successful in daily operations and major

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emergencies or events, and will provide strategies for collegiate EMS leaders and members to apply in their agencies.

Dethroning the King in the Airway Game of Thrones

Independence A

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

EMS providers are positioned on the front lines of airway control. Proper airway management is vital to patients with out of hospital respiratory, traumatic, and cardiac emergencies. The King airway and the laryngeal mask airway are touted as tools for BLS and ALS providers needing to temporize a difficult airway or assist ventilations. Existing literature paints a conflicting picture about which devices are best suited to the prehospital environment. Discuss indications for supraglottic and non-invasive airway management and think about de-throning the King!

Current Controversies in EMS

Independence B

Ken Lavelle, MD

This talk will cover current controversies in EMS including non-auto injector administration of epinephrine by EMS, mechanical CPR, patient refusal after naloxone administration, law enforcement transport of trauma patients and limitation of oxygen administration.

Altitude Medicine

Independence C/D

Marjorie Mazie

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

Customer Service in EMS

Philly North

Dave Schwartzman

As EMS grows, the perception of our industry is very important. With this in mind, we need to better understand how the public sees us, and what this impression does for our standing and growth. We are in a service industry, but does any of our EMS training ever focus on how we interact with our customers? This session will focus on the points of customer service, taken from the Ritz Carlton and Disney Institute ideas, and focus them on our industry.

Emergency Management: It's More Than Just ICS

Philly South

Daniel Maas

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

Role of Health Care Providers in Identifying Human Trafficking *Salon 5/6*

Nora Kramer, RN

Human trafficking is a problem hidden in plain site. Many times victims come in contact with health care providers and the provider is unaware of the red flags. This lecture will help you identify victims of human trafficking to enable you to provide your patient with the proper resources.

Roundtable: Emergency Management & Disaster Preparedness *Salon 3/4*

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.

Skills Lab: The Art of Running a Code

Salon 2

Christopher Davis, MD, FAWM

Few calls are as exhilarating or fear-inducing as cardiac arrest. As collegiate EMS squads, we are often the first on the scene of our calls and therefore have the opportunity to make a huge impact in time-sensitive conditions like cardiac arrest. Factors that have been shown to improve survival include the time to chest compressions, quality of chest compressions, and minimizing interruptions. The "Pit-Crew" or "Team-Focused" approach to CPR and cardiac arrest management has recently been shown to have a statistically significant impact on survival by putting an emphasis on high-quality BLS. In this session, you will learn how to apply the "Team-Focused" approach to your own scene through hands-on practice. Experienced providers will share some "tricks-of-the-trade" that will help you bring order to chaos and take control of the scene. You will also learn about the current trends and latest hot-topic issues in out of hospital cardiac arrest management from experts in the field.

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Skills Lab: The Art of Suturing- Skills Workshop

Logan

Katie Egan, MD, RN, NREMT-B and Leah Krueger, MD

Ever wonder how the laceration to the face from a glass bottle was treated when the patient got to the ED? Learn the basics of suturing from experts in the field, including resident physicians in Plastic Surgery and Family Medicine. This hands-on workshop will introduce different types of suture material, options for wound closure, and suture techniques. We will also emphasize wound assessment principles which can be utilized in the field. Following a brief introduction to suturing, we will spend the majority of the class with hands-on, guided practice in a variety of suture methods. This workshop is designed for Collegiate EMTs interested in wound care, especially those interested in pursuing careers in medicine, physician's assistant, and nursing.

Collegiate Resuscitation Officer Program - Part 2

Salon 9

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

Is the Scene Safe? More than Yes or No.

Freedom E

N. Alex Cutsumbis

This presentation will address the concept of situational awareness in application to EMS calls. While well understood in law enforcement and military training situational awareness is often an unknown term in EMS settings. Current paradigms teach EMS scene safety as a binary yes or no, while reality is often much more complex. Come challenge yourself to think differently about scene safety!

Identification and Management of Hemorrhagic Shock

Freedom F

Brian King

This lecture will provide you with a comprehensive review of the identification and management of hemorrhagic shock. The limitations of vital signs in identification of hemorrhagic shock will be discussed as well as alternatives to the use of vital signs. Massive transfusion, tourniquets, thromboelastography, pelvic binders, REBOA and the use of crystalloids in resuscitation will be discussed in the management of hemorrhagic shock.

Striking Back: The ultimate snake envenomation care

Freedom G

Benjamin Abo, DO, EMT-P, FAWM

Ssssseriousssssly, are you ready?! Do you have patients that go outside? Do you tend to be outside? The more and more land is developed and people venture into the wilds, the more snake envenoming occur. That on top of exotic pets and hobbies are on the rise. Are your protocols up to date? Think we need the snake to identify proper care? Do you know the actual proper care for a snake envenoming? Do you think all antivenin is the same? Come hear the latest and greatest snake envenomation care from the medical director of as seen on TV's Miami Dade Fire Rescue Venom Response Unit, Venom One, and the newly launched Venom Two! Live demonstration not unheard of.

High Yield Facts for Management of SHOCK

Freedom H

Yoni Litwok, MD

Early recognition of shock is essential to saving the life of your patient. What are early indicators of shock? What type of shock is my patient experiencing? What can I do to treat this patient while en route to the hospital? In this lecture we will discuss and analyze the different types of shock, how they affect the body, and what can be done to save your patient's life. This lecture will help take your skills to the next level when evaluating an unstable patient.

Double Sequential Defibrillation: Not All It's Shocked Up To Be

Independence A

Jeffrey Bilyk

Double Sequential Defibrillation is a hot topic in pre-hospital care delivery. JEMS and EMSWorld articles and case reports tout it as a (not-so) new technique for refractory VF/VT. But the reality is we know what we don't know, and that is how to capitalize on this intervention - if at all. The reality is, aside from small case reports and studies, the literature shows us this intervention is akin to epinephrine in OHCA, and that is increased ROSC but no change to positive outcome/discharge. This lecture will review current case reports and literature and how we proceed going forward.

Making Sense of Medical Evidence

Independence B

Michael Gerber, MPH, NRP

Ever attended a lecture or read an article where statistics and research are cited, only to be left wondering whether you should trust the numbers or not? As evidence-based medicine becomes the standard in EMS, learning which evidence to listen to is critically important. Using examples from recent EMS research, we'll discuss the different types of study design and statistical methods, how to translate research into language we can all understand, and how to use the evidence in every day operations.

Fit for Duty

Independence C/D

James Boomhower, FP-C, C-NPT, NR-P

In "Fit for Duty" I will discuss the importance of cumulative stress disorder and PTSD awareness and

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recognition in EMS. "Fit for Duty" will tell the story of a new HEMS provider and an incredibly challenging call for him, his patient and his team. Using this framework along with a healthy bit of humor I aim to ensure all members of the HEMS and aviation team understand the importance of treating our mental health no differently than the physical health of our patients. Taking stock of the symptoms, seeing the signs and ensuring that we are all Fit for Duty.

Leading Organizational Change

Philly North

Brian Brauer, EdD

Implementing AEDs, removing MAST trousers, and de-emphasizing spinal immobilization are all recent examples of changes that have occurred in EMS, but how to plan out a major change for your organization? This presentation will share a model for changing culture which has been validated in healthcare settings. Participants will leave with a worksheet for planning and implementation of a behavioral or equipment change in their organization.

Air Medical Services - Critical Care Resource for Your Patients *Philly South*

David Stuhlmiller, MD

We will begin by discussing the traditional paradigm of Air Ambulance utilization and move quickly into a discussion of the clinical care that Air Ambulances bring to patients across the United States. We will discuss in depth the critical care capabilities, the education and training needed to maintain clinical skills at the critical care level, and the quality management and risk management efforts of Air Ambulances. We will close with a discussion of the cost of maintaining Air Ambulance services and the value that Air Ambulances bring to healthcare delivery across the United States.

Too Much of a Good Time:

Salon 5/6

The Rise of Opiate Addiction and the New Overdoses

Mischa Mirin, MD

From the smaller cities of West Virginia to the suburbs of Philadelphia, the number of narcotic related overdoses has been spiking out of control, leading to strain on multiple EMS and hospital systems. This lecture will discuss the new risks to responders (Police, EMS) from the new drugs of abuse, and try to show how prevalent the virulence of this epidemic has become, with emphasis on statistics in the local Philadelphia area. We will also discuss when to use Narcan, when to use *more* Narcan, when to worry about more drastic approaches and briefly touch on the in-hospital changes for narcotic-addicted patients.

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.

Skills Lab: The Art of Suturing- Skills Workshop

Logan

Katie Egan, MD, RN, NREMT-B and Leah Krueger, MD

Collegiate Resuscitation Officer Program - Part 3

Salon 9

12:40 pm - 1:30 pm *Final Plenary Session*

Liberty A/B

Introduction

George J. Koenig, Jr, DO, NCEMSF President

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.

1:30 pm - 1:45 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 *The Journal of Campus EMS*.

SAFE TRAVELS HOME!

Notes:

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 CE are available for those that attend an educational offering every hour of the 2018 conference (additional 3 hours available for the pre-conference session—separate process from below). In order to receive certification for your conference attendance and the sessions that you attended, please follow the directions below:

SMS Tracking

- Record your session attendance via text message (SMS). To register for SMS attendance tracking, text your 8-digit personal code (provided at check-in) to 781-262-3673 (standard messaging/data rates may apply). You will receive a reply confirming your registration.
- Each workshop has a 4-character session code that can be found in the conference program. At any time during the session, text that 4-character code to 781-262-3673 to record your attendance. You will receive a reply confirming the session you attended. If the session is not correct or you switch to a different session, send another message with the correct session code.

Generating Your CE Report

- After the conclusion of the conference, you will receive an email with a link to the post-conference survey. Login to the NCEMSF website with your personal credentials (NCEMSF username and password) and complete the survey.
- In the same email, you will find a link to the “My CE Records” utility. Use that utility to rate the speaker and topics you attended and print your CE report after you have completed the post-conference survey. Through May 1, 2018 you can also correct any errors or add sessions you forgot to check in to.
- Print out your personalized PDF document from the “My CE Records” utility. Sign and submit it along with any other necessary identifiers (e.g., address, certification number, date of birth) 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.

Manual Tracking

- If you do not have SMS capability, complete the post-conference survey and then use the “My CE Records” utility. The same deadline of May 1, 2018 applies to manual attendance tracking.

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: self-parking at the Sheraton Hotel for NCEMSF overnight guests is \$20/day. 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)

Some Best of Philly (Philly Magazine)

Bagel: South Street Bagels
BBQ: Fette Sau
Beer Bar: Monk's Cafe
Breakfast: The Turning Point
Breakfast Sandwich: Stockyard Sandwich Co.
Brewpub: Crime & Punishment
Brunch: Bufad
Burger: Butcher Bar
Cheesesteak: Dalessandro's
Chicken Wings: Cheu Noodle Bar
Chinese: Hunan
Comfort Food: The Dandelion
Counter Dining: Serpico
Deli: Ben & Irv's
Drunk Food: Shoo Fry
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: Sancho Pistola's
Nightly Menu: Pumpkin
One-Bowl Meal: Bing Bing Dim Sum
Pasta: Wm Mulherin's Sons
Pizza: Snap Custom Pizza
Potato Skins: Franky Bradley's
Quick Serve Dinner: Buena Onda
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

Presenter Bios

Benjamin Abella, MD, MPhil

Ben is a Professor of Emergency Medicine and Vice Chair for Research at the University of Pennsylvania. He has led research efforts on the topics of cardiac arrest, CPR, and post-arrest care for the past 15 years. His work has been funded by the NIH, PCORI and the AHA, with over 150 peer-reviewed publications. He received his BA from Washington University in St. Louis, MD from Johns Hopkins University, and a Masters degree in Genetics from Cambridge University in the UK.

Benjamin Abo, DO, EMT-P, FAWM

Prior to joining UF and with an undergraduate degree in Emergency Medicine from the University of Pittsburgh, he went on to graduate from medical school at Touro University in California. With almost 20 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 and EMS physician, and he finished his residency in emergency medicine at Mount Sinai in Miami Beach & Ryder Trauma Center. Currently, Dr. Abo serves as Assistant Medical Director for Hallandale Beach Fire Rescue, Medical Director of City College Miami EMS programs, Medical Director of Gator Emergency Medical Response Unit (GEMRU), and is one of the only four instructors for the Wilderness EMS Medical Directors Course. Clinically beyond residency, Ben has remained active with FL-5 DMAT disaster team, Miami Dade Fire Rescue Urban Search & Rescue (USAR) Task Force 1 & Miami Beach Fire Rescue, Carolina Wilderness EMS Externship, and Burke County Emergency Services in North Carolina. Ben is also the executive director of iSES (International Institute of Sustainability in Emergency Services), and co-founder of FLOWMA (Florida Wilderness Medical Association). Dr. Abo's research interests include anything EMS, EMS for children, international EM/EMS, mentorship, resiliency in EMS, disaster medicine, wilderness/austere medicine & technical rescue practices. Ben is also the very proud recipient of NCEMSF 2013 EMS Provider of the Year for Heroism & Valor.

David Adler, MPS, NRP, TP-C

David Adler is a decorated career police sergeant with 26 years of experience. He is cross-trained as a SWAT operator and lead SWAT paramedic for a large agency in SE Pennsylvania. He is a nationally registered paramedic with 18 years of experience, including service as a combat medic in the United States Army. He focuses his efforts on public health preparedness, active shooter preparedness, firearms and tactical medical training. He has extensive experience teaching emergency medicine to audiences ranging from police officers to registered nurses and physicians. David holds a master's degree in public health preparedness from Penn State. He is board certified in tactical medicine and a certified Force Science Analyst.

Daniel Baer, MS, LAT, ATC

Dan is a faculty member in the Department of Sports Medicine at West Chester University of Pennsylvania, and an athletic trainer with the WCU football team. He also serves as a clinical preceptor and as clinical education coordinator for the undergraduate and graduate professional degree programs at WCU. Dan earned a bachelor's degree in athletic training from West Chester University, and a master's degree from the University of Pittsburgh in health and rehabilitation sciences with a concentration in sports medicine. Dan is currently completing a doctoral degree at Indiana University of Pennsylvania. His dissertation is on the social and cultural influences on concussion symptom reporting.

Lisa Basgall

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

Sharon Bates

Sharon is a board member, Sudden Cardiac Arrest Association

(www.suddencardiacarrest.org) - In 2015, she joined the SCAA Board to raise awareness of the need for cardiac screening and continue advocacy work on prevention of SCA. She co-founded non profit corporation, Parent Heart Watch (www.ParentHeartWatch.org) - in 2005, with the help of 3 other parents and Sharon, the national organization to protect children from sudden cardiac arrest was created. Combining efforts of parents, families, medical professionals, community leaders to save young lives from Sudden Cardiac Arrest a national movement was born. Founded Non Profit Corporation, Anthony Bates Foundation (www.AnthonyBates.org) - in 2000 the cardiac screening organization was formed by Sharon after the death of her son, Anthony, age 20. The foundation's program has influenced over 50 screening organizations across 43 states and 12 countries. ABF & Sharon Bates have created the only copyright Training Program for communities to provide Cardiac Screenings for youth. With the help of the ABF training program these national groups have screened over 410,000 youth and the numbers keep growing. 2017 estimates of active ABF trained groups will top 550,000 youth. The Anthony Bates Foundation is instrumental in building education and awareness for cardiac screening for young people. Through the foundation efforts many AEDs have been donated to host schools of the foundation cardiac screening events.

H. Meir Berkman

Nearing the completion of his Masters in Public Administration at Binghamton University, Meir Berkman got his start in emergency services early on when he joined a local volunteer ambulance as a youth member at the age of 16. Since that time, Meir has worked with numerous EMS groups including the South Orangetown Ambulance Service, Congers Ambulance Service and the Rockland Regional Technical Rescue Team. As an undergraduate student at Binghamton University, Meir joined Harpur's Ferry Student Volunteer Ambulance Service early on, ultimately advancing to various positions of leadership. He facilitated numerous steps in agency growth, including the acquisition of an additional station on campus and increasing the transport fleet from two to three ambulances. While he completed his tenure as Chief and Executive Director of the nationally acclaimed student group in May 2017, Meir continues his involvement by aiding the group in bringing the 'Stop the Bleed' Campaign to campus through educating administrators and helping to acquire a \$25,000 grant for the purchase of bleeding control kits and training equipment. Meir's areas of interest include emergency management, risk management, healthcare administration as well as national and international disaster relief and recovery.

Hendrik Bilek, RN

Hendrik is a registered nurse and certified pediatric trauma nurse at the Children's Hospital of Philadelphia's emergency department which sees over 90,000 patients every year. He is also an EMS lieutenant and firefighter for the Tincum Township Fire Company which responds to 3,000 fire/EMS 911 calls a year. Hendrik graduated from Drexel University with a bachelors degree in nursing with a minor in emergency management. While at Drexel he was a part of Drexel EMS where he served several positions including captain and chief. Hendrik has been involved in EMS since 2010. He is a Connecticut native where his roots in fire and EMS started.

James Boomhower, FP-C, C-NPT, NR-P

James has been involved in EMS for nearly 15 years in a variety of health systems throughout New England. He currently functions in the role of Critical Care Transport Specialist-Paramedic with Boston Medflight of Bedford, MA. James' passion for EMS education is realized through his position as an instructor for Distance CME's online continuing education program. His desire to bring mental health awareness to the EMS arena has spurred him to create the Fit for Duty platform as well as work to implement a peer support program through in his workplace. James is working to realize his goal of promoting recognition, management and acceptance of acute stress in EMS providers throughout the world.

Brian R. Brauer, EdD

Brian is the Associate Director at the Illinois Fire Service Institute, University of Illinois. He provides strategic direction

Presenter Bios

for the operations, maintenance, and improvement of the 28-acre emergency responder training facility; directs all capital construction projects; and directs a fleet of 96 vehicles, trucks, emergency apparatus, and class support trailers. He also coordinates Corporate and Industrial fire and emergency services training for IFSI in downstate Illinois. Brian is the advisor for the student-led program Illini Emergency Medical Services (IEMS). He provides direction and support to the 150-member organization as they provide stand-by EMS care to students, staff, faculty, and guests on the UIUC campus, and deliver training and certification to more than 300 members of the campus community annually. Brian holds Bachelor's degree in Nursing from the University of Illinois Chicago, a Master's degree in Education from the University of Illinois, and a Doctorate in Educational Policy and Organizational Leadership from the University of Illinois Urbana-Champaign.

Diane Breckenridge, PhD, MSN, RN, ANEF

Dr. Diane Breckenridge has been an RN with over 40 years experience in practice, education, administration, and research until relocating 4 years ago to CA and AZ as a Chief Nurse Administrator, Executive Dean, and College Vice President. She is presently an Education and Health Care Systems Consultant. Dr. Breckenridge remains active in Sigma Theta Tau, the International Honor Society at University of Pennsylvania, Nationally and Internationally. She is a sustaining member of one of the Boards at Abington - Jefferson Health where she was employed for 36 years with her last position the Director of Nursing Research of the Executive Team while a Tenured Full-Professor and Director of the Undergraduate Nursing Strategies for Success Program at La Salle University, in Philadelphia, PA.

Jeff Bruggeman

Jeff has been in the Fire/EMS service for 31 years as a Crash/Rescue specialist in the US Air Force 1986-92, Paramedic since 1994, EMS Instructor since 1996, and full-time Firefighter/Paramedic on a career department since 1992. He currently is a Captain (Shift Commander) and owner/Instructor for a private, contracted EMS/Fire education company.

Koralia Burz, MS

Kori has been in the leadership role ever since her early years of high school student government. Nowadays, Kori is the Assistant Director of Training for Code One Training Solutions where she supports her team, and students with tools needed to become a powerful EMS provider as well as an educator. Her specialties are interpersonal communication and effectiveness of group dynamic. Her academic and professional background span from classroom and clinical settings, to leadership arena in the world of healthcare.

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 Masters in Public Administration from Fairleigh Dickinson University, after completing his Bachelors Degree from Muhlenberg College. He currently works as an Executive Compliance Officer for the New York City Health + Hospitals' Office of Corporate Compliance covering two 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 continues to practice as a New York State Advanced EMT-Critical Care and has served in EMS for more than 21 years.

Michael Carunchio, MS, NRP, FP-C

Michael started his EMS career as an EMT on the University of Delaware Emergency Care Unit. He currently works full-time as a flight paramedic for Christiana Care Health System in Newark, DE and part-time as a paramedic for Crozer Keystone Health System in Chester, PA. He also has experience as a field training officer, a tactical paramedic, and a clinical educator. He recently spent two years as an administrator but hated it and went back to a full-time clinical role.

Jacqueline Cavendish

Jacqueline Cavendish has been involved with collegiate EMS since 2013 as an EMT-B with Case Western Reserve University EMS in Cleveland, Ohio. During this time Jacqueline served as a Crew Chief, External Operations Director, and Assistant Chief of Operations for CWRU EMS. A recent graduate of CWRU with degrees in Chemical Biology and Evolutionary Biology, Jacqueline performs research in Emergency Medicine and serves as an American Heart Association BLS CPR instructor. She hopes to pursue a career as a physician-researcher in the fields of Critical Care or Emergency Medicine.

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 and former director 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 the fire service, EMS, public health emergency preparedness, community outreach, and emergency management. He works for the New York City Office of Emergency Management (NYC OEM) as the Deputy Director of the Emergency Operations Center (EOC) Unit, and serves as a Public Health and Medical Services Coordinator for NYC OEM during large incidents, including winter storms, building and IED explosions, a Legionnaires' disease outbreak, Zika virus, and heat wave power outages. He has designed and conducted numerous training exercises and after-action report processes. He regularly presents on local government and non-profit agency roles in emergency management.

N. Alex Cutsumbis

Cutsumbis is a graduate of the SHRS Emergency Medicine Program and has been involved in EMS for 10 years. He has experience as a field paramedic, EMS supervisor and Operations Director in addition to a variety of instructor credentials. He currently is responsible for all EMT programs at the University of Pittsburgh and the Center for Emergency Medicine, enrolling over 300 students a year.

Christopher Davis, MD, FAWM

Chris is an Emergency Physician and current EMS fellow at Wake Forest University in NC. Chris specializes in providing care in austere environments and is currently developing the first fellowship in wilderness EMS. He has served as a paramedic with a fire-based EMS service in NC prior to attending medical school and continues to work in the field as a physician with the Appalachian Mountain Rescue Team and as a flight physician with Wake Forest's AirCare service. Chris got his start in EMS while at Duke University, where he was a member of Duke EMS.

Cameron Decker, MD, LP, FACEP

Cameron Decker is a graduate of Rice University and Baylor College of Medicine. He completed his residency in Emergency Medicine and fellowship in Emergency Medical Services (EMS) at Baylor College of Medicine. Dr. Decker is double board certified in emergency medicine and EMS medicine, an Assistant Professor of Emergency Medicine at Baylor College of Medicine, and faculty at Ben Taub General Hospital, one of the busiest Level I trauma centers in the country. As a Licensed Paramedic, Dr. Decker has a strong background in pre-hospital care, having been active in EMS through multiple 911 departments. Before becoming the Medical Director of both Rice University EMS and Harris County Emergency Corps, he worked at both as a Paramedic. He is also the Medical Director for multiple Harris County Fire Departments and The Emergency Medical Task Force - 6, the state's regional response network for large scale medical incidents. He is a decorated police Sergeant and Tactical Physician with the Harris County Sheriff's Office High Risk Operations Unit.

Ryan Desrochers

Ryan Desrochers is an MD candidate at the Warren Alpert

Presenter Bios

School of Medicine at Brown University. He graduated from UMass Amherst in 2016 with a BS in Biology, and has been an EMT-B for 4 years. As an undergraduate he served as the Bravo Division head within UMass EMS, and spent summers working for private ambulance companies. He is currently assisting in further developing his medical school's anatomy curriculum and is interested in pursuing a career as an emergency physician.

Brittany J. Dingler

Brittany Dingler is currently a student in Drexel University's Physician Assistant program (Class of 2019) and the Executive Editor for The Journal of Collegiate Emergency Medical Services. She graduated from Skidmore College in 2015, where she first developed a passion for EMS in her work as an officer and crew chief for Skidmore College EMS. At Skidmore, she majored in psychology and conducted research in positive psychology, neuropsychology, and microbial genetics. She plans to pursue a career as an Emergency Medicine PA while working to advance the field of Collegiate EMS.

Amy Eisenhauer

Amy is a dynamic presenter at EMS conferences nationwide, raising awareness on topics such as provider suicide, response to hoarding events, and career development for EMS professionals. As a certified Emergency Medical Technician, she has served the New Jersey Emergency Medical Services community as a volunteer and career provider since 1995. In addition to providing high quality medical care, Amy has taken on challenging roles as an EMS educator and training officer. Amy is a contributing author for EMS World magazine and also hosts an interactive blog on EMS at TheEMSSiren.com, committed to improving the EMS community as a whole.

Jesse A. Epstein

Jesse Epstein is currently a member of the Class of 2019 at Skidmore College where he is pursuing a BA in Psychology and Religious Studies. At Skidmore, Jesse has developed his passion for prehospital emergency care through his involvement with Skidmore College Emergency Medical Services (SCEMS). Starting off as a founding member of the Rapid Deployment Executive Task Force, The Mental Health Task Force, and the Sexual and Gender-Based Misconduct Task Force, through his innovative ideas and motivation, Jesse largely helped shape the young agency. He quickly went on to become the chair of the Mental Health Task Force, and eventually, the Director of SCEMS. Jesse continues to stimulate his interests in EMS in his home community by working for Northwell CEMS in Manhattan, Queens, and Long Island. He also has a significant interest in biomedical research, having interned in several medical research laboratories at the Feinstein Institute for Medical Research as well as developmental and positive psychology laboratories at Skidmore College. After Skidmore, Jesse hopes to pursue a Psy.D. as a further effort to revolutionize the mental health community by developing protocols for and providing care to first responders in need of psychotherapeutic counseling.

Christopher Feder

Christopher Feder is the Director of Rescue Services for Med-Tex Services, Inc. Chris is a member of the Urban Search and Rescue & Haz-Mat Team in Montgomery County, PA. He started his career in 1995 with the Penn Wynne Fire Company also in Montgomery County. Chris has been a fire/rescue instructor since 2005 and has presented as local and international conferences. Chris, an accomplished writer has written articles for various magazines in fire, law enforcement and emergency services.

Lynn Fisher

As the Community Preparedness Program Manager, Lynn works with residents, businesses and communities to achieve a prepared and resilient Philadelphia. Lynn has redesigned the "Ready, or Not?" program offerings to include READYHome, a family preparedness workshop; READYBusiness, a workshop specifically for business owners and managers to create a continuity of operations plan with the goal of resiliency during and after disaster; and READYCommunity, a multi-engagement program to educate and empower communities to prepare and

plan for all hazards, while creating a collective ownership for personal response and recovery activities. Lynn served as a Regional Integration Center Coordinator for Philadelphia OEM for four and a half years. She served as primary interface and point of contact for Philadelphia OEM personnel to provide critical information, updates and support during all stages of the emergency response cycle. Prior to joining OEM, Lynn served as the Communications Technical Coordinator for in Midland, TX, Public Safety Communications Center. Lynn has experience working closely with first responders, city and county officials, and the public. Before joining the field of emergency management, Lynn was a science teacher and assistant director of the Hyde School Wilderness Program in northern Maine, and dean of students for 10 years in a boarding high school. Lynn holds a BA in Outdoor Experiential Education from Appalachian State University.

Joyce Foresman-Capuzzi, MSN, SANE-A, EMT-P

Joyce is an RN and Paramedic with over 20 years experience. With a background in EMS, emergency nursing, forensics and pediatrics, she is a frequent lecturer on these topics. As a PA State EMS instructor, she teaches in the Delaware County Community College EMS program and she is a clinical nurse educator at Lankenau Medical Center in Wynnewood, PA

Mark Forgues, MEd

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.

Adam D. Fox, DO, FACS

Dr Adam D. Fox is an Assistant Professor of Surgery and Section Chief of Trauma in the Department of Surgery at Rutgers University-New Jersey Medical School and faculty in the Division of Trauma Surgery and Critical Care. He also holds the title of Associate Trauma Medical Director of the New Jersey Trauma Center at University Hospital, Associate Medical Director of the NorthSTAR aero medical program and Vice Chair of the NJ Committee on Trauma. Dr Fox joined the Rutgers faculty in 2011 after practicing in the divisions of Trauma/Critical Care and Emergency Surgery at the University of Pennsylvania and Penn State University. Dr Fox is an instructor and course director for multiple trauma and critical care related courses. He is an active member of The International Medical Surgical Response Team (IMSuRT) and Mobile Acute Care Strike Team (MAC-ST) of the National Disaster Medical System (NDMS). He has also provided surgical care on multiple medical missions around the world. Additionally, he provides medical care and education to the Newark FBI SWAT Team. Dr Fox was also featured in several episodes of the second season of NY Med, a docudrama on ABC. Dr Fox sits on the editorial board of several journals, is the author of multiple journal articles and has presented at conferences both nationally and internationally. His interests include leadership in trauma, education, and global trauma and disaster response.

Eric Garrison

An international speaker on Title IX, sexual assault, and trauma-informed response, Eric is also the Chair for the Virginia Campus Task Force to End Gender-Based Violence. 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 three decades, Eric has trained EMS providers, police, firefighters, doctors, medical students, Greek Letter Organizations, and college athletic teams from around to the corner to around the globe - from Oxford, Mississippi, to Oxford University. As a 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

Presenter Bios

outstanding reputation as a dynamic speaker and his consistently high evaluations with our attendees, Eric is back again for multiple sessions this year at his 15th consecutive NCEMSF conference. You can reach Eric over the weekend and in the future at 800.814.1969 or at www.ericmgarrison.com

Michael Gerber, MPH, NRP

Paramedic Michael Gerber started in EMS in 2001, when he joined the volunteer fire service while working as a journalist on Capitol Hill. He later spent more than eight years in the career fire service, serving at times as a paramedic, field supervisor, instructor, public information officer and quality management officer. Currently, Michael works as a consultant with the RedFlash Group and M10 Solutions and as an adjunct instructor at the George Washington University School of Medicine and Health Sciences. He also continues to serve as a paramedic with the Bethesda-Chevy Chase Rescue Squad.

Emma Giardina

As the Community Resilience Coordinator, Emma works with communities to foster a strong, resilient neighborhood - ready for any emergency. Accomplished in curriculum writing, Emma is the principal writer and researcher in the READYCommunity workbook, a comprehensive guide to community resilience planning on the block level in Philadelphia. Emma also teaches in the READY, or not? Program; preparing businesses, communities and residents to be ready and resilient in the face of disaster. Emma has a solid background in education. Prior to joining OEM, she was a 7th and 8th grade science teacher with The School District of Philadelphia and an 8th grade science teacher in Hamilton Township, NJ. Emma spent considerable time working at environmental education centers in the eastern PA and southern NJ region. She holds a Bachelor of Arts degree in Education and a Bachelor of Science degree in Environmental Science from Stockton University.

David Goroff, MS, NRP

David Goroff is a paramedic with New Castle County EMS, in northern Delaware. Previously, Goroff worked as an Associate Emergency Medical Services Administrator for the State of Maryland, coordinating a multi-county system of emergency medical services. An alumni of Skidmore College, David was the founder and first executive director of Skidmore College EMS, and has a Master's degree in emergency management from the George Washington University.

Gary Hecker, RN, CCRN, AEMT-CC, CIC

Gary has 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. Gary is an original and lifetime member of NCEMSF. He is a member of New York 2 Disaster Medical Assistance Team (NY-2 DMAT).

David Hiltz

David Hiltz is Director of Quality and Training at Code One Training Solutions, LLC. In this position, he works to ensure responders are ready, willing and able to act when faced with a medical emergency. He also helps organizations improve their systems of care for cardiac arrest and heart attack. David has an extensive background in cardiac arrest systems of care through his work at Code One and 17 years with the American Heart Association where he was responsible for education, implementation, strategy development, and helping responders and systems achieve improved outcomes.

William Hughes, MD

William Hughes has been treating burn injuries for over 20 years in the city of Philadelphia. His "Burn Unit Handbook" is in its second edition and published in two languages. He has recently moved his practice to Thomas Jefferson University Hospital

John Jermyn, MS

John Jermyn was raised in New York City by a large family of police officers and firefighters dating back two generations. He witnessed their acts of bravery and knew at a young age he wanted to follow in their footsteps. John graduated from Kingsborough Community College in Brooklyn, NY and then attended the University at Albany, State University of New York where he studied public policy & economics and joined Five Quad Volunteer Ambulance, UAlbany's student run ambulance service. In addition to providing pre-hospital care as an EMT with Five Quad John served as Chairman of the Board of Directors and made significant accomplishments while serving in this role. During college John gained extensive exposure in the homeland security field completing internships in emergency management and homeland security in Albany, New York City, and Washington D.C. Upon graduating from UAlbany John advanced earning a masters degree in emergency management from the John Jay College of Criminal Justice and currently serves a Project Coordinator at the NYC Pediatric Disaster Coalition and at the Center for Pediatric Emergency Management at Maimonides Medical Center.

Jasjot Johar, MD, FACEP

Dr. Johar has practiced emergency medicine since 1996, with the last 18 years in Colorado. He served as Medical Director for emergency services at Medical Center of the Rockies. During this time they received the Malcolm Baldrige Award for healthcare excellence. In 2009, the McKesson corporation recruited Dr. Johar out of clinical medicine and into health informatics. He served as Director of the HEC development team and as Product Manager until returning to full time clinical medicine in 2011. Dr. Johar currently serves as Medical Director for emergency services at Banner McKee Medical Center, where he is also chair of the Credentials Committee and chair of the emergency department. Informatics and quality improvement remain strong passions, and he currently serves on the development team for several local Health Informatics start-ups.

Robert Katzer, MD, MBA

Dr. Katzer graduated from UC, Berkeley in 2004. He then went on to get his medical degree from Temple University SOM in Philadelphia and completed his residency in Emergency Medicine at Washington Hospital Center in Washington DC. He was the assistant medical director for Georgetown University Emergency Response Medical Service in 2010-2011. He completed his EMS fellowship and MBA in 2013. He is presently an attending and an associate professor at UC, Irvine. He provides medical direction for the city of Anaheim and for the UC Irvine Collegiate EMS organization, Anteater EMS. He is a medical officer on CA-1 DMAT Team.

Brian King

Brian began his EMS career in 2001 as an EMT and continued on to become a paramedic. He currently works as a Flight Paramedic and clinical educator for LifeNet Delaware, Christiana Care's aeromedical transportation program. Throughout his career, Brian has been actively involved in education. He has been a Clinical Instructor for DelTech's Paramedic Program since 2012, and regularly educates at conferences, targeting a multidisciplinary audience in the Delaware/Pennsylvania/Maryland region. Most recently, he has presented on Strokes, Trauma, Intracerebral Hemorrhages, and Sepsis. His publications include EMS Sepsis Protocols, which aim to reduce time to antibiotic administration in the septic patient, and a publication chronicling Rapid Sequence Intubation use in New Castle County, Delaware.

Kyle Kotowick, MASc

Kyle is a PhD Candidate at the Massachusetts Institute of Technology's Department of Aeronautics and Astronautics, where he focuses on human-systems integration research for emergency workers and military personnel. Kyle has been a member of MIT Emergency Medical Services since 2013 and currently serves as a Supervisor. Prior to attending MIT, Kyle served as the Director of an ocean rescue program in Vancouver, BC, Canada.

Presenter Bios

Benjamin Krakauer, MPA

Ben Krakauer is the Assistant Commissioner for Strategy and Program Development at NYC Emergency Management, where he has worked for 9 years. He has served in many capacities in emergency services, including public health emergency preparedness and EMS. He attended Binghamton University for his bachelor's degree and master's degree in public administration, and was a Paramedic and Executive Director with Harpur's Ferry Ambulance during the 2006 floods in Binghamton. Ben previously worked as the Director of Watch Command for NYC Emergency Management, and now leads an On-Call Emergency Operations Center Team for his disaster-time role. He routinely presents on emergency management, public information and warning systems, strategic planning, and executive development.

Nora Kramer, RN

Ms. Kramer is a RN at Thomas Jefferson for 30 years with over 20 years of management experience. She presently works in trauma education and injury prevention.

Jon Krohmer, MD

Jon Krohmer, MD, has served as director of the National Highway Traffic Safety Administration Office of EMS since September 2016. Board certified as an emergency physician, Dr. Krohmer has been actively involved in EMS for over 30 years, first as a local EMS medical director in his home state of Michigan, and then at the national level, as an active member of the American College of Emergency Physicians (ACEP) and president of the National Association of EMS Physicians (NAEMSP). Dr. Krohmer's federal service began as the Deputy Assistant Secretary for Health Affairs and Deputy Chief Medical Officer for the Department of Homeland Security (DHS). He went on to become the Director of the Health Services Corps for Immigration and Customs Enforcement at DHS and also provided medical expertise to the U.S. Coast Guard.

Leah Krueger, MD

Leah Krueger graduated from the University of Wisconsin with a BS in Biology and Psychology in 2011 and an MD in 2016. She was a member of the Wisconsin Academy of Rural Medicine program during Medical School. She is currently a resident in Family Medicine at Medical College of Wisconsin - Fox Valley Family Medicine Residency Program in Appleton, WI. Leah will be practicing Family Medicine in a rural setting following residency.

Evan Kuhl, MD

Evan is a PGY3 emergency medicine resident at the George Washington University. He completed his medical school education at the University of Louisville prior to moving to DC. He is an assistant medical director for the George Washington EMS program, and is a research scholar for the Center for Healthcare Innovation and Policy Research Center. Evan is a founder of the Bellarmine University student EMS program.

Robert Laford

Robert has served 20 years with UMass Amherst Environmental Health and Safety, currently as the Assistant Director for Emergency Management and Business Continuity. Previously served in the roles of Campus Safety Officer and Safety Services Manager at UMass, as well as serving as staff advisor to UMass EMS for the past two decades. He has 35 years' experience in emergency services, including as a call/volunteer and career Firefighter/EMT, Fire Officer, and Chief Fire Officer while also filling roles as a department instructor and training officer. Robert has served as an instructor/certification examiner with the Massachusetts Firefighting Academy and as an instructor within the Massachusetts Community College system. An author of more than 40 articles in response and planning topics, he used his background in writing the text "Planning and Practice; a guide for Emergency Services' Planning," where he stresses the need to use Incident Command principals in planning, training and operations.

Ken Lavelle, MD

Ken is a former Captain of the RPI Ambulance in Troy, NY,

graduating in 1993. He worked as a paramedic and EMS Chief in Atlantic City, NJ and later attended medical school at Jefferson Medical College. He is currently on staff as an emergency medicine attending at Jefferson Hospital in Philadelphia and is a full time, active EMS Medical Director for multiple EMS agencies in New Jersey, Pennsylvania and Washington DC.

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

Dr. Benjamin Lawner is the Medical Director of Prehospital Care Services for Allegheny General Hospital. He provides medical oversight to a critical care transport program (LifeFlight), EMS education, and ground based EMS services. 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. Formerly, Dr. Lawner served as the Deputy Medical Director for the Baltimore City Fire Department. He remains active in medical student, physician and prehospital education.

Raymond Lovell, EMT-Cardiac

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.

Daniel Maas

Dan Maas is the Emergency Manager for Cornell University Environmental Health and Safety and serves as advisor of the Cornell University Emergency Medical Service, a student run, all volunteer BLS first response agency serving the Cornell campus in Ithaca, NY. Dan is a member of the New York State Southern Tier Regional Incident Management Team and also works as Communications Branch Director with the New York Road Runners during major races such as the New York City Marathon. Dan has been involved in emergency services and response for over 36 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 29 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.

Jordan Marks, MD

Jordan attended Emory University as an undergraduate. Served as Chief of EMS at Emory EMS. He completed his medical degree at University of Kansas School of Medicine. He was contributed to published research on prehospital Ketamine use. He is current PGY1 at Mount Sinai St. Luke's/Roosevelt EM Residency.

Carrie Matuzsan, LSW, MS

Carrie Matuzsan, LSW, MS is a social worker who has both a personal and professional background in diabetes. She was a member of the Hopkins Emergency Response Organization from 2008 to 2012 during which time she served as their training officer. After graduating from college, Carrie earned a masters in psychology from Drexel University and a masters of social work from the University of Pennsylvania. She spent a year and a half working directly with children with diabetes at the Children's Hospital of Philadelphia and recently transitioned to Grand View Hospital in Sellersville, PA.

Marjorie Mazie

Marjorie Mazie has worked as an EMT in Washington state for 12 years and taught for NOLS Wilderness Medicine since 2003. She has been an EMT for adventure races and has experience working with Search and Rescue in the mountains of New Hampshire. She also spent 6 years working as a clinic manager

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for a women's health clinic in Seattle, WA. Before coming to the field of EMS, she worked for a decade as a field instructor in wilderness therapy programs and service learning programs in the United States and Central and South America.

Jacob Miller, MS, FNP, ACNP, FP-C

Jacob Miller is a Certified Nurse Practitioner and Clinical Nurse Specialist with background in flight, critical care transport, and emergency nursing. Jacob received his Master of Science in acute care from the University of Maryland's Baltimore campus and post-master's certificates in family practice and advanced practice flight nursing from Case Western Reserve University in Cleveland. In addition to his nursing career, Jacob is also a Nationally Registered Paramedic with volunteer, commercial, and aeromedical EMS experience. Jacob currently works as a flight nurse practitioner at the Cleveland Clinic, and remains an active EMS provider and Quality and Safety Officer with Case Western Reserve University EMS.

Mark Milliron, MS, MPA, MHS

Mark Milliron has over 35 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. Mr. Milliron is currently employed as a Public Health Program Administrator by the Pennsylvania Department of Health and teaches courses in emergency management for the Pennsylvania State University and Kaplan University.

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.

Mischa Mirin, MD

Mischa is an Emergency Physician at Thomas Jefferson University and a board certified EMS physician and serves as the medical director for EMS at Jefferson, Jeffstat Critical Care Transport, and National Event Services. Mischa has served in various administrative roles in the greater Philadelphia area and has worked as an EMT in Boston and Salt Lake City. He attended medical school at Northwestern University and completed residency at Allegheny General Hospital in Pittsburgh, PA.

Kenneth Navarro, MEd

Kenny is an Assistant Professor in the Department of Emergency Medicine at the University of Texas Southwestern Medical School in Dallas. Kenny oversees the EMS Continuing Education program for the Division of EMS at the University and assists in educational oversight for a multi-jurisdictional EMS system. Kenny also serves as a Content Consultant for the AHA ACLS Project Team and is a member of both the AHA's Educational Science and Programs (ESP) Subcommittee and the Pediatric Emphasis Group.

Richard Pescatore, DO

Rich is the Director of Emergency Medicine Research in the Inspira Health Network. He is attending emergency medicine physician. He received the NJ Emergency Medicine Medical Student of the Year in 2014 and the NJ Emergency Medicine Resident of the Year in 2017. He is a member of the Philadelphia Inquirer Health Advisory Board.

Mark Pinchalk, MS, EMT-P

Mark Pinchalk is the Patient Care Coordinator for City of Pittsburgh EMS. In his position, Mark oversees clinical operations and quality improvement programs. 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 & as a

Paramedic Master Diver for Pittsburgh River Rescue. In addition he is the Medical Team Manager for Pennsylvania Urban Search & Rescue Strike Team 1. Mark is also an adjunct instructor in the University of Pittsburgh Emergency Medicine Program.

Daniel Plavin

Daniel is a graduate of Binghamton University with a Bachelors in chemistry and additional training in pharmaceutical chemistry. He is currently in his final year of medical school with interests in prehospital medicine and community outreach. He began his first responder career in 2008 as a firefighter and then as an EMT. Since that time he has been a member of several agencies in New York and Pennsylvania. He is an active member of Harpurs Ferry Student Ambulance where he is a field preceptor and was also responsible for teaching their new member advanced first aid program. In his spare time he enjoys teaching CPR/First Aid to the community, volunteering as a firefighter and is an avid fisherman.

Les Polk, MS, NRP, TP-C

Les Polk has worked in EMS for 14 years. He has worked as an EMT and Paramedic at Narberth Ambulance and Cetronia Ambulance in PA and as a Paramedic at JFK Medical Center, Monmouth Ocean Hospital Service Corporation, and Robert Wood Johnson Barnabas Health (RWJBH) in NJ. He has also served as a Regional Coordinator and a Director-At-Large of NCEMSF and was a Council Member of the Pennsylvania Emergency Health Services Council. He is a member of the NJ Department of Health Safety Committee and is a member of the NJ EMS Task Force. He serves as Logistics Supervisor and Paramedic for RWJBH. He is a Field Training Officer, Paramedic Student Preceptor, Dispatcher, ACLS, PALS, BLS, PHTLS, and ASLS instructor. Les is a member of RWJBH's Special Operations Group, Ebola Response Team, and is a Tactical Paramedic for the Middlesex County SORT, Somerset County SWAT, and Somerset County Narcotics Task Force. He is a graduate of Mountain Lakes H.S. and received a Bachelor of Science degree in Natural Science with a concentration in Biology and a minor in Music from Muhlenberg College in Allentown, PA. He received a Graduate Certificate in Biomedical Sciences from the Philadelphia College of Osteopathic Medicine and completed his paramedic education at the Freda and Robert N. Brown Paramedic Program at Union County College in Plainfield, NJ with clinical sponsorship from RWJBH. He has received a Master of Science in Health Science Degree from the George Washington University in Washington, D.C. concentrating in EMS Leadership.

Michael Redlener, MD, FAEMS

Michael Redlener is an assistant professor, board certified emergency and EMS physician, and the medical director for EMS and Disaster Preparedness at Mount Sinai St. Luke's and Mount Sinai West Hospitals in New York City. With a focus on systems of care and quality improvement, he has worked to improve the function of emergency care delivery in trauma and disaster preparedness, cardiac care, and stroke care. Dr. Redlener is the current chair of the New York City REMAC/REMSCO Quality Improvement and Quality Assurance Committee and the chair of the National Association of EMS Physician Quality and Safety Committee. He attended medical school at Albert Einstein College of Medicine, completed his Emergency Medicine residency training at Bellevue/NYU, and EMS fellowship at the FDNY/Long Island Jewish Hospital.

Zachary Reichenbach, MD, PhD

Zachary Reichenbach grew up in Allentown, PA where he volunteered with Cetronia 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. With humble beginnings and initially only 7 volunteers, he grew the program to have over 65 active EMS providers and provide 7 night a week coverage to the university. Enjoying research as much as clinical practice, Zachary completed the MD/PhD program at the Lewis Katz School of Medicine at Temple

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University. He earned a PhD in Physiology focusing on the effects of cannabinoids on neuroinflammation. Presently, Zachary continues his research at the Lewis Katz School of Medicine as an Adjunct Assistant Professor in the Center for Substance Abuse Research (CSAR) as well as a physician-scientist overseeing multiple clinical trials. His particular areas of interest center on inflammation, cannabinoids, and gastroenterology.

Andrew Rosenblum

Andrew is a public health graduate student at Johns Hopkins University. He began in EMS with the Virginia Beach Department of EMS as a Water Rescue Tech, eventually becoming an EMT and then EMT-I. He was previously the Captain of the Hopkins Emergency Response Organization (HERO) and is currently an alumni member. Additionally he has been involved in a variety of EMS research and quality improvement projects.

Stu Rosenhaus

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 with the Emergency Management Department and Administration and as an Adjunct Instructor at Brooklyn College. Stu holds a Bachelor's degree in Community Health and Education from Empire State College (SUNY) and is a NYSDOH Certified Instructor Coordinator and an American Safety and Health Master Instructor Trainer.

Ronald Roth, MD

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

Scott Rubins, MA

Scott Rubins started his EMS career at Clark University when he was a freshman and was President of Clark EMS when he graduated in 1989. Scott has been involved in EMS for over 30 years primarily with the Scarsdale Volunteer Ambulance in NY. He is a Stop The Bleed Instructor, has completed the Tactical Emergency Casualty Care course and participated in MCI and Active Shooter Drills. He is Co-Chair for Safety Training at New Rochelle High School where he oversees active shooter drills, Narcan and Stop the Bleed Training for a faculty and staff of almost 300. Scott has been teaching Forensic Science for twenty-one years, earned Master's Degrees from Teachers College, Columbia University and the College of New Rochelle and is an Adjunct Forensic Science Instructor for Syracuse University. Scott is President of The Forensic Futures Education Group, is the Safety Director of an overnight summer camp of 500 and was a member of the Dental Identification Team for the Medical Examiner's office, New York City where he identified victims of the World Trade Center Disaster and the crash of American Airlines flight 587. He holds membership in the North Eastern Association of Forensic Scientists, The National Science Teachers Association and the American Federation of Teachers.

Aaron Saguil, MD, MPH, FAAFP

Aaron Saguil, MD, MPH, FAAFP serves as the Associate Dean for Recruitment and Admissions at the Uniformed Services University of the Health Sciences F. Edward Hébert 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. He is the Vice Chair of the AAMC's MCAT Validity Committee and a contributing editor to the American Family Physician. Dr. Saguil received his BA in Chemistry from Duke University and his M.D. 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.

Dave Schwartzman, NREMT-P

Dave started his EMS career while attending school at the State University of NY at Buffalo (SUNY Buffalo), where he volunteered for the campus EMS as well as worked EMS in the City of Buffalo. After graduating, he went on to a very successful sales career in the Hospitality field in NYC, but kept his finger in EMS. After some time, he went back to school working towards his Masters in EMS Management from what was then Hahnemann University in Philadelphia. Dave worked as a Paramedic for the Philadelphia Fire Department, and then transitioned back into a full time sales role as the Pre Hospital Sales Rep for Physio Control, serving the Philadelphia Metro and New Jersey Markets. While at Physio, Dave was a multiple time President's Club award winner as well as field and corporate trainer. He was able to integrate his EMS background to help educate the Sales team as to best practices in selling to EMS. He worked on the product launches for the LUCAS Automated CPR, McGrath Video laryngoscope, Pre Hospital Ultrasound, and other products. He then went on to become a Territory Manager for Sonosite Ultrasound, selling Point of Care Ultrasound to Hospitals. Currently, Dave is the N.E. Director of Business Development for Air Methods Corporation, working with the Air Medical World. As for EMS, well, after Philly Fire, Dave spent 5 years as a flight Medic for Mid Atlantic Medevac and is currently a NREMT-P for Virtua Health System in New Jersey.

Rebecca Schwartzman, ATC, EMT-P

Rebecca Schwartzman is a Certified Athletic Trainer and New York State Paramedic. She began in EMS in 2007 as a volunteer and has since worked as an EMT and paramedic in several cities. She graduated from SUNY Cortland in 2012 where she studied athletic training and served with SUNY Cortland EMS in various leadership positions, including Assistant Chief. While studying to become a paramedic and after receiving certification, Becky served with Harpur's Ferry Student Volunteer Ambulance Service at Binghamton University. She has worked as a high school Head Athletic Trainer, as well as an athletic trainer for college athletes and gymnasts of all levels. Becky lives in Manhattan and is finishing up a master's degree in exercise science at LIU Brooklyn.

Richard Shok, RN, NRP

Richard Shok is the Owner and Director of Code One Training Solutions, LLC. As an American Heart Association Training Center, the Code One team has taught thousands of people to save lives over the past ten years. At our six locations through CT, MA, SC and GA, Code One trains individuals in resuscitation, emergency cardiovascular care, EMS and other health-related programs. Code One currently consists of seven full time staff and 25 part-time and per diem instructors and trained nearly 10,000 people to save lives last year.

Lindsay Simon, MD

Dr. Simon is a Forensic Pathologist for the City of Philadelphia. She completed her medical and pathology training at Thomas Jefferson University in Philadelphia. After this training, she completed a fellowship in Forensic Pathology at the New York City Medical Examiner's Office. Since joining the Philadelphia Medical Examiner's Office, she has given several lectures on forensic pathology to various hospital departments and law enforcement agencies.

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J. Dominic Singh, NRP

Dominic has been active in EMS for 20 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/EMS Coordinator to UMass Amherst EMS and as the Clinical Supervisor to Spencer EMS. He is active in EMS education and incident/event planning.

Benjamin Smith, MD

Ben is an EMS fellow at the University of North Carolina at Chapel Hill. He completed residency training in Las Vegas where he was involved in training for Las Vegas Fire and Rescue paramedics, military special operations paramedics and National Park Service paramedics. He has ten years of experience in EMS beginning as a volunteer EMT and rescue technician while in college at UNC-Chapel Hill. He has extensive experience providing field care at mass gathering events from college football and basketball games to large electronic dance music festivals to large remote gatherings such as Burning Man.

John Smith, MS, LAT, ATC

John Smith is currently a faculty member in the Department of Sports Medicine at West Chester University. He is a Certified Athletic Trainer with 30 years of experience in the collegiate setting. He teaches in the Athletic Training Education Program at WCU, in addition to working clinically with the football team, basketball team and Women's Rugby team.

Michael Smith, MD, FAEMS

Dr. Smith is the EMS Medical Director for Carle Regional EMS System, Illini EMS at the University of Illinois, and METRO SWAT, UIPD, Champaign County Illinois. He is a combat veteran, serving in the Army during Operation Iraqi Freedom. He is a test writing committee member for NREMT. He is board certified in EMS.

David Stamey, NRP

David currently serves as an EMS Regional Administer for the State of Maryland EMS Office and as a chase car paramedic for Shippensburg (PA) Area EMS. Stamey is responsible for managing EMS related activities for Maryland as a state liaison, and responds to and assists local jurisdictions with the mitigation of large scale no-notice incidents, including mass casualty incidents. Stamey also serves as a co-coordinator of the statewide mass casualty incident workgroup and assisted with development of the statewide active assailant plan. Stamey has 25 years of experience in the EMS field.

David FE Stuhlmiller, MD, FACEP, FAEMS, CMTE

David graduated from Temple University School of Medicine in 1998 and completed his emergency medicine residency in 2001 at the Indiana University School of Medicine program at Methodist Hospital in Indianapolis, IN. Dr. Stuhlmiller has practiced at MetroHealth Medical Center in Cleveland, OH, University Hospital in Newark, NJ, Westchester Medical Center in Valhalla, NY, Newton Medical Center in Newton, NJ and currently at Robert Wood Johnson University Hospital Rahway in Rahway, NJ. Dr. Stuhlmiller is board certified in emergency medicine and in Emergency Medical Services (EMS) medicine by the American Board of Emergency Medicine (ABEM). Dr. Stuhlmiller is a past chair of the Air Medical Committee of the National Association of EMS Physicians (NAEMSP®) and currently represents NAEMSP® on the Board of Directors of the Commission on Accreditation of Medical Transport Systems (CAMTS). Dr. Stuhlmiller is a former EMS Committee member and chair of the Section on Air Medical Transport of the American College of Emergency Physicians (ACEP). Dr. Stuhlmiller currently serves as the Chief Medical Officer for Air Methods based in Englewood, CO.

Kevin Swan

Kevin Swan is currently a volunteer firefighter/rescue technician with the Penn Wynne Fire Company in Montgomery County, PA, having 19 years of experience in Fire/EMS. In his full time role, he works as Certified Registered Nurse Anesthetist (CRNA) for the University of Pennsylvania Health System and also a flight

nurse with the Life Lion Critical Care Transport Program at Penn State Hershey Medical Center. He is also member of several regional and county technical rescue/special operations teams as a rescue technician and medical specialist for Pennsylvania Task Force 1 in the FEMA Urban Search and Rescue program.

Mark Ubbens, PHRN, MSN, CRNP

Mark is a Nurse Practitioner in the department of Trauma Surgery at Geisinger Medical Center in Danville, PA. He is an NCEMSF alumnus as co-founder and former Captain of DeSales University EMS. He is a National Ski Patrol member with ten years experience as a Ski Patroller at Big Boulder Ski Area. He also serves as Medical Advisor for the National Aquarium in Baltimore. He oversees the Henry Hall program, which sends Baltimore City Public School youth to wildlife destinations around the country. He has traveled extensively to coastal destinations as the remote medical provider for this program.

Rebecca Valentine, EMT-P, I/C, NCEE

Becky 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.

Victoria Vorholt, MA

Victoria Vorholt is currently a first year medical student at the University of Kentucky. Prior to medical school, she attended Emory University, obtaining an undergraduate degree in Neuroscience and Behavioral Biology and subsequently a Master of Arts in Bioethics. During her undergraduate career, she worked as an AEMT for Emory EMS.

Alvin Wang, DO, FAAEM, NRP

Alvin is double-board certified by the American Board of Emergency Medicine in Emergency Medicine and Emergency Medical Services and is a Diplomate of the American Academy of Emergency Medicine. He currently serves as an emergency medicine physician and Director of EMS for Jefferson Health Northeast. His previous academic appointment was as an assistant professor of Emergency Medicine at the University of Pennsylvania. He continues to serve as the medical director for the Penn MERT. After graduating with a degree in Civil and Environmental Engineering from Penn State and completing his paramedic training, he attended medical school at the PCOM. In the prehospital arena, Dr. Wang has worked in rural, urban, and suburban settings as an EMT, Nationally Registered Paramedic and a critical care helicopter paramedic. Alvin also serves as the Deputy Regional Medical Director for Montgomery County Department of Public Safety, Narberth Ambulance, Bensalem Rescue Squad, and as a federal medical officer for the PA-4 Disaster Management Assistance Team. He 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.

Chris Wend, NRP

Chris is currently a full-time contracted paramedic with the Johns Hopkins Lifeline Critical Care Transport Team and a volunteer firefighter. Chris began in EMS at the age of 16 as a volunteer EMT, and since then, Chris has worked and volunteered as an EMT, firefighter, and paramedic, in both in Bucks County, Pennsylvania, and Montgomery County, Maryland. Chris is a previous Captain of HERO, the collegiate EMS service for Johns Hopkins University, and is still involved as an active Lieutenant, and as HERO's Stop the Bleed Program Coordinator.

Nicholas Witczak

Nicholas Witczak, is a graduate of the University of New Haven with a bachelors degree in fire science administration. He was a

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founding member of the University's EMS service. In his career he specializes in fire protection project management and safety compliance. His part time career has been focused on EMS and helping New Jersey volunteer EMS agencies with their staffing needs as a Client Development Consultant for Emergency Resource Management LLC. He is a past captain of the Morristown Ambulance Squad and is currently Deputy Chief of the Mendham Twp Fire Dept. In addition to fire and EMS leadership roles, Nick is the Coordinator of Emergency Management for the Borough of Mendham, NJ. In his spare time he is a contributor for the Firehouse Tribune. He is enthusiastic about leadership, management, communications, and emergency operations. Nicholas has presented in the past at the NCEMSF Conference in 2017.

Meghann Zapcic

Meghann is an MD candidate at the Lewis Katz School of Medicine at Temple University. She graduated from UMass Amherst in 2016 with a BS in Psychology, Neuroscience, and has been an EMT-B for 4 years. During her time at UMass Amherst, she served as the Director of Operations for UMass EMS in addition to working at an active 911 ambulance service. She is interested in pursuing a career as an EM physician, and continues to use her EMS background to train medical students for emergency response situations as the Director of Disaster Response for Temple Emergency Action Corps.

Richard W. Vomacka Student Speakers

Jose Figueroa

Jose Figueroa is a Sophomore at Washington University in St. Louis studying Global Health with a minor in Healthcare Management. Jose is originally from San Juan, Puerto Rico, and currently resides in Dayton, Ohio. Aside from being an EMT at school, Jose is involved in an organization that tutors inner city students, an organization that focuses on educating the school campus on the wealth and healthcare disparities of St. Louis, and in the Men's Volleyball team.

Thomas Goode, MSP

Tom Goode is a graduate student in applied statistics at Carnegie Mellon University and Captain of the university's emergency medical service, where he oversees the agency's medical operations. In addition to volunteering at CMU for the past five years as an undergraduate and working at a private ambulance service, Tom has led research in ambulance demand forecasting at CMU, cardiac arrest research with faculty at the University of Pittsburgh's Department of Emergency Medicine, and most recently the impact of continuing education on patient care with the City of Pittsburgh's Bureau of EMS.

Matthew Heindrichs

Matt is a student at Virginia Tech studying mechanical engineering. He is a member of the Virginia Tech Rescue Squad, where he serves as the Special Operation Lt. He has been a member of VTRS since 2016, but has been around fire and rescue departments for all of his life.

Vinith Ilavarasan

Vinith is a sophomore at Washington University, studying computational biology and global health. He serves as the Equipment Medic on the executive board of his campus' EMS team. As Equipment Medic, he is responsible for ensuring that they both have all the equipment necessary to provide a high quality of medical care, as well as ensure that the equipment is functioning properly.

Mark Kaminski

Mark Kaminski is a senior at Case Western Reserve University. He started his career in EMS at the age of 16 by obtaining his EMT-B and volunteering in Westport, CT, eventually completing his state AEMT certification at the age of 18. At Case, Mark joined CWRU EMS, where he served as the training director in 2016 and internal development chair in 2017. Currently, Mark serves as a supervisor and crew chief with the organization and wishes to pursue a degree in medicine, with special interests in medical sociology, neurology, and emergency medicine.

James Kontoules

James Kontoules is a senior studying Natural Resources Management at SUNY-ESF in Syracuse, New York. He is the Supervisor of Fleet Operations as well as a dual crew chief and driver trainer at Syracuse University Ambulance; and is currently in his eighth year in emergency services. At the end of the school year, James will return to work as a seasonal state park ranger, and plans to continue his education in EMS and obtain his Advanced EMT certification.

Anthony Mahoney-Pacheco

Anthony is a Junior at Tufts University studying Biology and Psychology. He serves as the Director of Education and as an EMT for Tufts EMS. Outside of collegiate EMS, Anthony has been involved in EMS as an Emergency Department Technician in southeastern Massachusetts. He is also an avid participant for Timmy Global Health, a nonprofit that focuses on providing sustainable medical care to countries including Guatemala and the Dominican Republic in hopes of alleviating global healthcare disparities. When not working or studying, Anthony enjoys playing soccer, dancing, and listening to country music.

Kerry McCans

Kerry is a senior at the University of Pittsburgh originally from Havertown, Pennsylvania. She will be graduating in April with a BS in Emergency Medicine and a Chemistry Minor. Throughout her time at Pitt she has served as the CPR chair, vice president, and current president of Pitt Student EMS. Kerry started in EMS at Narberth Ambulance in Ardmore, PA and is currently a paramedic for Ambulance and Chair Service in Washington, PA with aspirations for medical school.

Andrew Pettit

Andrew is a Junior at Tufts University studying Biology and Community Health, and serves as the Director of Training and Quality Assurance and an EMT-Preceptor at Tufts EMS. Andrew is a Park Ranger/EMT for the National Park Service, a Ski Patrolter, and Firefighter.

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.



NCESMF Leadership Bios

NCESMF EXECUTIVE BOARD

George J. Koenig, Jr., DO

George Koenig, NCESMF 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 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 NCESMF 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, NCESMF 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 Ph.D. 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. Scott remains active in both EMS administration and operations. He is Chair of the Board of Directors of Whitemarsh Ambulance, a 4,000 call-per-year ALS squad in the Philadelphia suburbs. He is also a per diem event EMT for Lehigh Valley Health Network at the PPL Center in Allentown.

Joshua A. Marks, MD

Joshua Marks, NCESMF 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 the Program Director for the Surgical Critical Care Fellowship and Assistant Program Director for the General Surgery Residency as well as the Surgical ICU Medical Director at Jefferson. He is Board Certified in surgery and surgical critical care and is a Fellow of the American College of Surgeons (FACS). 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 and served on Narberth's Board of Directors for twelve years as the Corps' Treasurer, Secretary, Membership Chair, and BLS Training Coordinator. He is currently an Assistant Medical Director. While at Columbia, Josh served as the Chief Medical Officer and Executive Director of Columbia University EMS. Joshua became involved with NCESMF 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 NCESMF 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, NCESMF 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 NCESMF 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 NCESMF in 2001. He served for four years as NCESMF's New York Regional Coordinator and six years as the National Coordinator before becoming a Director-at-Large.

Yoni Litwok, MD

Yoni Litwok, NCESMF 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 Chief Resident of Internal Medicine at Northwell Health (North Shore - Long Island Jewish). He will be continuing his training there next year as a Cardiology fellow. 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 DWC EMS, a student-run state-licensed EMS service. Steve held the position of Chief/President all 4 years. Steve began his EMS career at 16, volunteering as a cadet on the Branchburg Rescue Squad in his hometown in 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 as a Life Member of the volunteer 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, and at Boston Logan International Airport's Operations Center where he managed logistics for airport operations, security, and emergency responses with Airport Fire/Rescue. In his current role, he is a manager of airport operations, maintenance, and emergency response/preparedness in the field. He previously served as NCEMSF's Northern New England RC.

Joseph M. Grover, MD

Joseph Grover, NCEMSF Startup Coordinator, is a Clinical Assistant Professor at the University of North Carolina Department of Emergency Medicine, Associate EMS Fellowship Director, and Medical Director of Orange County (NC) Emergency Services. He completed his emergency medicine residency at the University of Virginia in 2014, and an EMS fellowship at the University of North Carolina in 2016. He earned his Bachelor's degree and MD from Case Western Reserve University (CWRU) where he co-founded Case Western Reserve University EMS as an undergraduate. Starting in high school, he served as a volunteer with the Kensington Volunteer Fire Department (KVFD), where he attained life membership. Prior to his current position as startup coordinator, he served for 8 years as the Midwest Regional Coordinator with NCEMSF.

Daniel McConnell

Daniel McConnell, NCEMSF Assistant Startup Coordinator, is a MD/MBA candidate at Columbia University College of Physicians and Surgeons and Business School. He worked as the Clinic Coordinator for the Asylum Clinic providing medical examinations in support of refugees seeking asylum in the United States. He graduated from Columbia College in 2014 with an AB in Biology. As an EMT with Columbia University EMS (CUEMS), Daniel served as Director, where he worked to change how the corps interacted and was viewed by school administration. He has a strong interest in administration, organization policy, and school integration. During his time at Columbia, he re-founded the volunteer CPR agency that provides CPR and first aid training at a reduced cost to organizations.

Joshua E. Glick, MD

Josh Glick, NCEMSF Alumni Coordinator, is an Emergency

Medicine resident at the Hospital of the University of Pennsylvania. He received his MD from the Penn State College of Medicine in 2014, and his BA in Biological Basis of Behavior and Modern Middle Eastern Studies from the University of Pennsylvania in 2010. While at Penn, Josh began his involvement with EMS as a member of the Penn Medical Emergency Response Team, ultimately serving as the organization's Training Lieutenant and Chief. He has also worked as a technician in the Emergency Department at the Hospital of the University of Pennsylvania.

Jeffrey J. Bilyk, ACP(f)

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 endeavors to continue to grow the number of Canadian campuses with CBEMS teams.

Eric Pohl, NRP

Eric Pohl, NCEMSF Emergency Management Coordinator, is a Federal On Scene Coordinator for the United States Environmental Protection Agency, Region 5 Emergency Response Branch based in Cleveland, Ohio. He is a volunteer Paramedic for the City of Hudson (Ohio) Emergency Medical Services. Previously, he was a Supervisory Hazardous Materials Specialist for the Bureau of Police & Security of the New York City Department of Environmental Protection where he was responsible for managing a breadth of emergencies including toxic chemical releases and CBRNE/Weapons of Mass Destruction incidents. 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 paramedic from St. Vincent's Hospital - Manhattan in 2008 and has provided 911 services in NY & NJ. Eric's professional interests include CBRN Consequence Management, 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.

Ian Feldman

Ian Feldman, NCEMSF Webmaster, started his EMS career at Rice University in 2006. He served as an EMS Supervisor and

NCEMSF Leadership Bios

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. Prior to becoming the NCEMSF Webmaster, Ian served as the Central Regional Coordinator for six years.

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.

Katie Egan, MD, RN

Katie Egan, NCEMSF HR Coordinator, graduated from the University of Wisconsin with a BSN in 2011 and an MD in 2016. She is currently a Plastic and Reconstructive Surgery Resident at The University of Kansas Medical Center in Kansas City, KS and hopes to pursue a career in nerve and extremity reconstruction. Katie formerly was 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 in 2006, when she joined her hometown department, the Hazel Green Area Rescue Squad, as an EMT-Basic. Katie founded the University of Wisconsin Police Department First Responders, which began operating as an event response team in 2009. Katie served as Director of the UWPD First Responders from 2009-2011 and worked to advance the service level to a First Responder / Non-transport service.

Nicholas M.G. Friedman

Nick is the Editor-in-Chief of The Journal of Collegiate Emergency Medical Services, the first scholarly publication dedicated to leadership, clinical excellence, and original research in campus-based EMS. A recent graduate of Skidmore College, Nick served as Director of Skidmore College EMS for three years. He has conducted research on the cardiovascular health of first responders and is currently conducting research on clinical care and operations in collegiate EMS. Nick is passionate about promoting evidence-based practice in collegiate EMS and aspires to pursue a career in emergency medicine.

NCEMSF REGIONAL COORDINATORS

Evan A. Formosa

Evan Formosa, NCEMSF Canada Regional Coordinator, began his collegiate emergency medical response career in 2011 as a responder with the Western University Student Emergency Response Team (SERT) in London, Ontario, Canada. In 2013, Evan took on the role of Training Coordinator and in 2014 he became the Executive Director where he implemented new symptom relief medication and added emergency vehicle lighting to SERT's response vehicle. Evan is a Canadian Red Cross Advanced Emergency Care Instructor and currently trains new SERT members as well as provides first aid and CPR

training to the public. Evan graduated from Western University with a degree in Physiology and a Masters in Clinical Anatomy. He now works towards a degree in Medicine from New York Medical College.

Laura Hanson

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 worked as an EMT for Rural/Metro Southwest Ambulance from 2012-2017 and is currently a second year medical student at Midwestern University. She volunteers part-time as a reserve for the Arizona Department of Public Safety Air Rescue helicopter in Phoenix, Arizona.

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. David graduated from MMA in 2013 with a degree in emergency management. He chose to continue his education at the University of Massachusetts-Dartmouth, where he completed a certificate in pre-medical studies. David carries prior experience as an EMS field supervisor, part-time faculty at Northeastern University, and as an ER technician at Tufts Medical Center. He currently attends Touro College of Osteopathic Medicine in New York where he is pursuing his osteopathic medical degree.

Zachary Matuzsan, DO

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 began medical school at Rowan University's School of Osteopathic Medicine (formerly UMDNJ-SOM) in Stratford, New Jersey. Zach earned his Doctor of Osteopathic Medicine (D.O.) in May of 2016. He is currently an Emergency Medicine resident at the Lehigh Valley Health Network in Allentown, PA.

Lex Martin, RN

Lex Martin has been involved with collegiate EMS since 2012 as an EMT with Case Western Reserve University, where she served as Chief for two years. After finishing a bachelor's in nursing, she worked in the Critical Care Unit at TriPoint Medical Center in Concord, Ohio. While there, she went on to complete paramedic training at University Hospitals Parma Medical Center. Currently, she works for University of Wisconsin Health in Madison as an RN in the Cardiothoracic Surgery and Transplant ICU. In addition, she is an American Heart Association instructor for UW Health's Emergency Education Center and remains involved in EMS as a volunteer paramedic at a local department.

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 for an incident management software company, and formerly worked in Emergency Response Department for JetBlue Airways, and Business Continuity for a large Wall Street bank. 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 & Disaster Management and maintains his EMT-B Certification.

Lucas Rappert

Lucas Rappert, the NCEMSF North Central Regional Coordinator, became involved in collegiate EMS with the University of Wisconsin Madison Police Department First Responders. He has served as Crew Chief, Quality Assurance Officer, and Deputy Service Director. After graduating with a Bachelor's degree in neurobiology, he continued volunteering with the UWPDFR until he joined Deer Grove EMS, just outside Madison. In addition to EMS, Lucas has worked in the

NCMSF Leadership Bios

emergency department at UW Hospital, was a 911 dispatcher, and currently works full-time as an Investigator with the Dane County Medical Examiner's Office. In his free time, he enjoys training for long triathlons and attending outdoor music events.

Bruce S. Graham, Jr.

Bruce Graham Jr., NCMSF's Northeast Regional Coordinator, graduated from Rowan University in 2015 with his Bachelor's degree in Mathematics. Bruce first started his career in EMS by becoming certified as an EMT-Basic in 2006 and continued until he became certified as 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, NCMSF 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, NCMSF Pennsylvania Regional Coordinator, graduated

with a BA in Political Science and a BS in Nursing from DeSales University. Ryan is currently the Director of Network Emergency Preparedness for Lehigh Valley Health Network. He is a board certified Emergency Manager and Emergency Nurse, and practices as a PHRN with the City of Bethlehem EMS. While at DeSales, Ryan co-founded DeSales University EMS, serving as its Director for three years. Ryan is also a Captain with Lehigh County Special Operations; a regional hazardous materials and Urban Search and Rescue (USAR) team in Eastern Pennsylvania.

Gabe Gan

Gabe Gan, NCMSF Southeast Regional Coordinator, first became involved in EMS as a high school student in the Maryland suburbs of Washington, D.C. He attended Emory University in Atlanta, GA, where he was a member of Emory EMS, a volunteer quick response service serving the campus and surrounding community. During his time in the organization, he attained the rank of supervisor and was appointed the Assistant Chief of Operations from 2014 to 2015. Gabe graduated from Emory in 2016 with a degree in Human Health and History. He is currently finishing his master's degree in the Department of Health Policy and Management at the Columbia University Mailman School of Public Health. Gabe looks forward to joining the PricewaterhouseCoopers healthcare practice as an associate consultant in Fall 2018.

Tom Renner

Tom Renner, NCMSF West Regional Coordinator, started his EMS career as an Ocean Lifeguard in Laguna Beach, CA. He later began his collegiate EMS career during his freshman year in 2012 at Johns Hopkins University on the Hopkins Emergency Response Organization (HERO). While on HERO, Tom served as the Equipment Lieutenant and later as the Operations Lieutenant. In 2016, He graduated with a degree in Public Health and a minor in psychology. Tom now attends California State University San Marcos' Post-Bac Pre-med program with hopes of one day becoming an Emergency Physician. Tom also is a member of the International Surf Lifesaving Association (ISLA) and has lifeguarded around the world.

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See You Next Year!
February 22-24, 2019
Pittsburgh, Pennsylvania

Schedule Summary

Sunday, February 25, 2018

7:30 am - 8:30 am	Continental Breakfast	Mezzanine Foyer
8:00 am - 9:00 am	Workshop Session 9 - Young Alumni Series (Page 26) When a Patient is Circling the Drain - Do THIS Did He Say the "D" Word?! "Diagnosis" in Prehospital Care. Developing a Collegiate EMS Mental Health Task Force Pediatrics in the Prehospital Environment Lights, Camera, MEDIC! EMS Leadership and Management 101 Rescue and Resuscitation of a Drowning Victim Cardiac Trauma: When what you need beating, takes a beating Special Considerations for Refusals of EMS Transport Emergency Preparedness and EMS Roundtable: Administrator/Advisor/Medical Director Roundtable: Startup Skills Lab: Introduction to Technical Rope Rescue & Basic Knot Tying	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 10 Salon 3/4 Logan
9:10 am - 10:10 am	Workshop Session 10 (Page 27) Safety Is Third, and We All Know It Diabetes: The Highs and Lows Disaster Response 101: Hurricane Maria in Puerto Rico Trauma-Informed Responses to Sexual Assault Calls The Art of Airway Stroke Recognition and the Benefits of Proper Stroke Triage Baby, It's Cold Outside! Important EMS Research from 2017-2018: Ten Minutes at a Time Germs Gone Wild. Emerging and Re-emerging Infectious Diseases Health Care Focus Community Nursing Practice Centers Roundtable: Technology Skills Lab: Introduction to Technical Rope Rescue & Basic Knot Tying Collegiate Resuscitation Officer Program - Part 1	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 3/4 Logan Salon 9
10:20 am - 11:20 pm	Workshop Session 11 (Page 29) Cancer Prevention in Fire and Emergency Services Syncope - Falling With Style Hazmat and Hate: When Hate Groups Come To Your Campus The Idiot's Guide to Not Being an Idiot Dethroning the King in the Airway Game of Thrones Current Controversies in EMS Altitude Medicine Customer Service in EMS Emergency Management: It's More Than Just ICS Role of Health Care Providers in Identifying Human Trafficking Roundtable: Emergency Management and Disaster Preparedness Skills Lab: The Art of Running a Code Skills Lab: The Art of Suturing- Skills Workshop Collegiate Resuscitation Officer Program - Part 2	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 3/4 Salon 2 Logan Salon 9
11:30 am - 12:30 pm	Workshop Session 12 (Page 27) Is the Scene Safe? More than Yes or No. Identification and Management of Hemorrhagic Shock Striking Back: The ultimate snake envenomation care High Yield Facts for Management of SHOCK Double Sequential Defibrillation: Not All It's Shocked Up To Be Making Sense of Medical Evidence Fit for Duty Leading Organizational Change Air Medical Services - Critical Care Resource for Your Patients The Rise of Opiate Addiction and the New Overdoses Physio-Control EMS Skills Classic Review Skills Lab: The Art of Suturing- Skills Workshop Collegiate Resuscitation Officer Program - Part 3	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 3/4 Logan Salon 9
12:40 pm - 1:30 pm	Plenary Session - Campus EMS Highlights	Liberty A/B
1:30 pm - 1:45 pm	Conference Wrap-Up	Liberty A/B



Schedule Summary

Saturday, February 24, 2018 (Continued)

1:30 pm - 2:30 pm	Workshop Session 6 (Page 16) It's All In The Eyes: A Review of Ocular Emergencies Preparing Yourself for Clinical Decision-Making See One, Do One, Teach One: Finding Your EMS Mentor Got ROSC and Think You're Ready to Roll? Fentanyl Analogs and Opiate Epidemic: How Afraid Should I Be? Poor Prognostic Indicators - A BLS Patient Assessment Review Hurricane Harvey - Lessons Learned Hacking Body Language for Healthcare Providers As Seen On TV Lessons Learned from a NYC Pediatric Disaster Exercise Roundtable: Recruitment and Retention Skills Lab: Presenting and Visualizing EMS Data Skills Lab: Simulation- Prehospital Care in Afghanistan Poster Session Walk Rounds	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 10 Salon 9 Logan Ballroom Foyer
2:40 pm - 3:40 pm	Workshop 7 (Page 18) Managing Crashing Patients in the Field - Reducing Mortality Street Ethics: Decision Making in Crises "Just Syncope," Or Is Death Knocking? CPR Quality and Training to Save Lives from Cardiac Arrest You Took What? Recognizing Toxidromes Fluid Resuscitation Without An IV: EMTs Treating Shock Harvey, Irma and Maria. The Unholy Trinity of 2017 Envisioning the Future: An EMS Agenda 2050 Town Hall Prehospital Ultrasound: Useful Tool or Useless Stool? Turning Difficult Dialogues into Exquisite Exchanges Roundtable: Financing and Fundraising Roundtable: QA/CQI Skills Lab: Emergency Equipment Removal in Intercollegiate Athletics Skills Lab: Simulation- Prehospital Care in Afghanistan	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 10 Salon 3/4 Salon 2 Logan
3:40 pm - 3:55 pm	Snack Break	Mezzanine Foyer
3:55 pm - 4:55 pm	Workshop 8 (Page 20) Forensic Pathology for Emergency Responders: A Primer Active Shooter Consequence Management Earn Money Sleeping: Sleep Loss and Fatigue in EMS CPR-induced Consciousness: Don't Go Into the Light. The Opioid Crisis: The big picture and a state's perspective The Crashing Asthmatic Intentional and Unintentional Mass Casualty Events: A Primer EMS: History, Future, and the Things That Matter Make It Yours - Customizing Your Vehicles, Equipment, & Technology EMS to Med School: NCEMSF Alum Experiences and Q&A Roundtable: Training Roundtable: Creating an Alumni Network Skills Lab - Tabletop Exercise 101: A Hands on Experience Skills Lab - In-flight Medical Emergencies Aboard Commercial Aircraft Skills Lab: Simulation- Prehospital Care in Afghanistan	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 10 Salon 3/4 Salon 2 Salon 9 Logan
5:00 pm - 6:00 pm	Plenary Session - Major John P. Pryor, MD Memorial Lecture	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/Terrace
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 23, 2018

4:00 pm - 10:30 pm	Conference Check-in	Ballroom Foyer
5:00 pm - 11:00 pm	Physio-Control EMS Skills Classic	Mezzanine Salons
6:00 pm - 6:50 pm	How to Make the Most of the Conference Experience	Philly North
7:00 pm - 8:00 pm	Workshop Session 1 (Page 7) Spring Break Emergencies - From Summit to Sea Liver Bombs: Prehospital Care of Advanced Liver Disease READYCommunity: Bringing Your Neighbors to the Table WhaDidYaSay?? Communication Breakdowns, CRM and Just Culture Roundtable: Startup	Independence A Independence B Independence C/D Philly South Philly North
8:10 pm - 9:10 pm	Workshop Session 2 (Page 8) Sharks, Barracudas, Rays and More! The Malicious and Monstrous Maladies of Disney Cardiac Screening in YOUR Community EMS SVU Chiefs and Presidents Panel	Independence A Independence B Independence C/D Philly South Freedom E
9:00 pm - 1:00 am	PCOM Welcome Social and Mixer / CPR Challenge	Liberty C/D

Saturday, February 24, 2018

7:15 am - 8:30 am	Continental Breakfast	Ballroom Foyer
7:45 am - 8:20 am	Group Introductions/Meet & Greet	Liberty A/B
8:20 am - 9:15 am	Opening Plenary Session - Stop the Bleed: Public Health Initiative on Campus	Liberty A/B
9:25 am - 10:25 am	Workshop Session 3 (Page 10) Burn Management Outbreak! A Campus Response to Meningitis-B Scene Safety in the Higher Education Environment CPR Superheroes Assemble! Opioid Emergencies Masterclass Airway Management Strategy Quality Assurance for College EMS Lessons Learned from Back to Back Stanley Cup Celebrations Tinder for Patient Assessment Student Mentoring: Teaching EMT Class at the University of Dayton Roundtable: Advertising and Campus Media Roundtable: Administrator/Advisor/Medical Director Skills Lab: Cases in Mental Health Skills Lab: Moving, Lifting and Transporting in the Wilderness Skills Lab: Simulation- Prehospital Care in Afghanistan	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 3/4 Salon 10 Salon 9 Salon 2 Logan
10:35 am - 11:35 am	Workshop Session 4 (Page 12) Thoracic Trauma Leading the Way: How EMS Can Shape Regional Stroke Care Crime Scene? But I'm an EMT! What's the big deal? "Hacking the Human Brain" Addressing Real Life Fears in Resuscitation "Bro what did you take!" - College Drugs of Abuse End Tidal CO2, Old Tool Reexamined for The Future When Nature Calls-EMS After Hurricanes in U.S. Virgin Islands Get Off My Field! Working Alongside the Athletic Trainer Ballistic Pathophysiology for EMS Emergency Research: The Ethical Dilemmas of Default Enrollment Roundtable: Campus EMS Administrative Challenges Roundtable: Research Design and Execution in EMS Skills Lab: Just Walk It Off: Usable Injuries in the Wilderness Skills Lab: Simulation- Prehospital Care in Afghanistan	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Philly North Philly South Salon 5/6 Salon 3/4 Salon 10 Salon 2 Logan
11:45 am - 12:30 pm	Workshop Session 5 (Page 14) Richard W. Vomacka Student Speaker Competition Stats, stat! Implementation of Technical Rescue Disciplines Go Home, You're Drunk! Quantifying Care: Data Tracking in Collegiate EMS Information Overload: Social Media in Emergency Services Traffick Control: The Role of EMS in Human Trafficking Queer Health in Emergency Medicine Regional Roundtable Discussions	Freedom E Freedom F Freedom G Freedom H Independence A Independence B Independence C/D Liberty A/B
12:30 pm - 1:30 pm	Lunch	

(Continued on Inside Back Cover)