

NCEMSF 2017

The 24th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 24-26, 2017
Hyatt Regency
Baltimore, MD

Table of Contents

About NCEMSF	3
About the Host City	4
Conference Schedule - Friday	5-9
Facility Floor Plan	5
Sponsors and Exhibitors	6
Conference Schedule - Saturday	10-22
Schools in Attendance	23-24
Conference Schedule - Sunday	25-31
Continuing Education Credit	32
Sponsor Advertisements	32
Baltimore Lunch/Saturday Night	33-35
Presenter Bios	36-44
Richard W. Vomacka Speakers	45
NCEMSF Leadership Bios	46-49
Schedule Summary	50-52

Conference Policies

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

- 1) Conference ID badges are required for entry to conference lectures and events and are to be worn by attendees at all times while on the conference premises.
- 2) Attendees are expected to conduct themselves as the young adult professionals that they are and to display the same degree of decency and respect toward other conference attendees, hotel guests, and staff that they would exhibit while responding to campus medical emergencies and interacting with patients.
- 3) Noise production is to be kept to a level appropriate to an indoor hotel environment and is to be respectful of the hour and considerate of the surroundings.
- 4) The consumption of alcohol by those younger than the federal legal minimum drinking age of 21 years as well as the use of drugs or other illegal substances by attendees of any age is strictly prohibited. Open containers containing alcohol are also forbidden in all conference common areas.
- 5) Common areas and private rooms of the host facility are to be left in the same fashion in which they were found upon arrival. Any damage to, or destruction of, property will be the financial responsibility of the offending individuals.
- 6) Participation in conference lectures and activities grants permission for the use of one's image in NCEMSF publications and promotional materials.
- 7) Conference speakers are experts in their given fields. The information they present and opinions they express, however, are not necessarily those of NCEMSF. Attendees are reminded to follow their prescribed operating procedures and to contact their agency's medical director before changing medical protocol.
- 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 twenty-four years our conferences have focused on strengthening campus-based Emergency Medical Services. The educational experience gained from the workshops and sessions combined with networking opportunities will enable you to learn and exchange ideas. We hope that you return to your campus energized with new initiatives to implement and creative solutions to problems that you may encounter in the future. I look forward to meeting you at the conference.

NCEMSF Mission Statement

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

NCEMSF History

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

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

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

NCEMSF's Volunteer Leadership - See Bios on Page 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

Division Chairs / Coordinators

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

Regional Coordinators

Canada	Evan A. Formosa
Central	Ian Feldman
Massachusetts	David Afienko
Mid-Atlantic	Zachary Matuzsan, DO
Midwest	Lex Martin, RN
New York	Matthew D. Ricci, MPA
North Central	Katie Egan, MD, RN
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 Baltimore - Enjoy Your Stay!



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

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

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



Baltimore Fast Facts

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

Elevation: 33 ft

Area: 81 sq mi

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

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



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

1994 - Washington, DC
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

Future Conferences:

2018 - Philadelphia, PA - February 23-25

Pre-Conference Workshops - Friday, February 24, 2017

9:00 am - 4:00 pm

Wilderness Medicine In Practice

Gates Richards, MEd, WEMT-I, FAWM

Your EMT class prepared you for emergencies you might see on campus, but what if you didn't have access to an ambulance, fly car, or even a stretcher? Wilderness Medicine In Practice, sponsored and presented by NOLS (The National Outdoor Leadership School), teaches you how to apply your EMS knowledge to emergencies that happen far off the beaten path using a combination of case studies and hands-on practice. Skills covered will include wound care, splinting, safe movement of patients, and focused spine assessments. In addition, participants will receive an introduction to extended patient care principles and evacuation logistics.

Columbia

Cardiac Arrest Resuscitation

Andrew Kristopik, Laerdal Medical

Don't miss out on your chance to participate in an exciting hands-on resuscitation workshop that will improve your management of critically ill patients. Thanks to the resuscitation experts at Laerdal Medical, students will gain knowledge and skills through the use of high fidelity simulation and team debriefing.

Annapolis

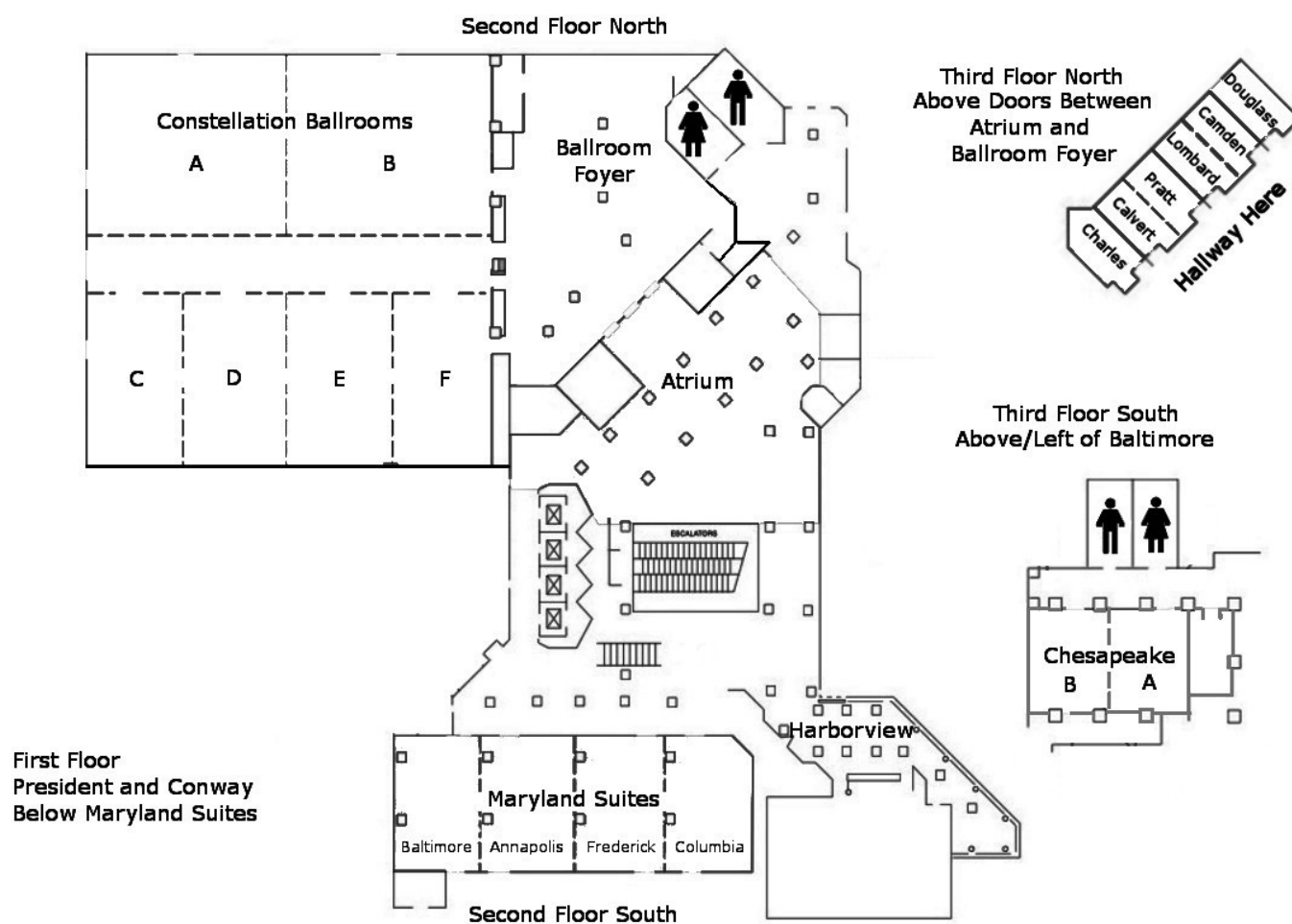
Disaster and Special Threat Response for Collegiate EMS Operations

Sean Britton, MPA, CPH 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 course will introduce students to special hazard recognition and response with particular emphasis of the role of community Emergency Medical Services. The second course component will lead students through practical implementation of the Incident Command System; disaster planning; and exercise development, execution, and evaluation. The course will include three hands-on modules including CBRN response, a tabletop exercise, and participating in the evaluation of a live MCI exercise.

Fredrick

Hyatt Regency Floor Plan



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

Sponsors

Physio Control, Inc.
Jim Springer, Senior Sales Representative
www.physio-control.com



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



Exhibitors

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



Dorney Park EMS
www.dorneypark.com

Prince William County Fire Rescue
Richard Pennock, Battalion Chief
<http://www.pwcgov.org/government/dept/fr/pa>

Remote Medical International
Leah George, Sr. MarCom Specialist
www.remotemedical.com

Sussex County EMS
Jeffrey Cox, Deputy Director EMS
www.sussexcountyde.gov/emergency-medical-services

Professional Associations

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



Web Hosting

Kodiak Systems
www.kodiaksys.com



Partners

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



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



Health Education Programs

Liberty University College of Osteopathic Medicine
www.liberty.edu



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



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



ROSS UNIVERSITY
SCHOOL OF MEDICINE

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



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



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



Gifts in Kind



Thank you

Hopkins Emergency Response Organization (HERO)
for your assistance with various tasks leading up to the conference and throughout the weekend!

Conference Schedule - Friday, February 24, 2017

4:00 pm - 10:00 pm *Conference Check-in*

Atrium

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

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

Maryland Suites

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

Top performers will compete in the grand finale - EMS as a Spectator Sport - starting at 11:00PM. Trophies will be presented to the overall winners of this always fun filled event Saturday evening.

6:00 pm - 6:50 pm

How to Make the Most of the Conference Experience

Columbia

Joseph Grover, MD, NCEMSF Startup Coordinator

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

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

The Fastest Response to Crisis: 90 seconds

Constellation C

Gavy Friedson, MPH

This lecture will highlight the quick response system presently operational throughout Israel by United Hatzalah. This system consists of over 3,000 trained volunteer medics throughout Israel that provide free and fast emergency medical first response, all connected through GPS technology. The closest available medic is identified and alerted to the emergency. These volunteers race to the scene, often using "ambucycles" - medically equipped motorcycles - to arrive first. The average response time is 3 minutes. United Rescue, based on United Hatzalah, has brought the same technology to the US with hopes of creating a similar location based quick response system in the US.

Time is Brain: The Science of Prehospital Stroke Care

Constellation D

Kenneth Navarro, MD

Stroke is a nonspecific term that has come to mean a sudden interruption of blood flow to a portion of the brain resulting in loss of neurological function. On average, someone in the United States suffers a stroke every 45 seconds making it the fifth leading cause of death in this country. In this session, we will examine the latest advances in the prehospital management of stroke.

Play How You Practice: Using Pre-Planned Events as Training Opportunities

Constellation E

Robert Krupa, MS, AEM and David Reisman, MHA, FACHE

Is your organization prepared to respond to high profile, high volume, or potentially high risk events? College campuses often bring together large groups of people for sporting events, concerts, and political rallies. The essentials of preparing for a planned special event are the same as those used in planning for disasters and other incidents. This presentation will address these similarities as well as the fundamentals of organizing and implementing incident action planning for special events.

Automated CPR - Yes / No / It's complicated....

Constellation F

Dave Schwartzman, NRP

Automated CPR has hit the EMS world by storm recently, but so has the controversies associated with it. There are multiple studies that have been published on both sides of this argument. In this lecture, we will delve into some of the science behind automated CPR, as well as discussions as to why you should, or should not implement it into your program. We will also look at the benefits of utilizing this technology in your program.

Conference Schedule - Friday, February 24, 2017

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.

40 years:

Chesapeake

Learned Lessons, Campus Politics, and Legacy Panel

Justin Margolies, Joseph Aabye, John Ingradia, and Matthew Green, MPA

With collaboration of current leadership, alumni and advisors SUNY Cortland EMS will discuss how went from our initial beginnings to now serving our Campus Community for over 40 years. Throughout that time period, our members had to go through preliminary stages of starting our organization with carrying 75 lbs. of equipment on foot, our office in an expanded closet, establishing legitimacy as a state recognized BLSFR agency, and securing campus approval through our SGA and campus officials. Each year the members laid the groundwork by learning the ropes, creating policies and procedures, securing an Advisory Board and EMT courses. As an agency we have also hit a few bumps in the road such as: securing a vehicle, personal standards and having at one point the Advisory Board clear house and take over all operations of the NYS BLSFR agency. SUNY Cortland EMS has also gone through a critical incident and dealt with a death of an Adviser. SCEMS learned throughout the years of how significant an Alumni connection can be and what it can do for the current agency and its members. In 2012 SUNY Cortland EMS won New York State Agency of the Year.

Roundtable: Startup

Columbia

*Joseph Grover, MD, NCEMSF Startup Coordinator and
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

Prehospital Mythbusters - A Revision of Practice

Constellation C

Shaun Patterson, DO

Since the inception of prehospital care many principles for patient evaluation, transport, and management have been largely based upon commonsensical thinking with little if any literature to support their continued use. We will discuss several key myths still held to be true in some EMS education, their origins, and pitfalls through a review of current literature.

Transporting Stroke Patients In The Era Of Endovascular Therapy

Constellation D

Richard Benson, MD

Over the past 20 years, the early recognition and treatment of strokes have come a long way, with the help of stroke scales and tPA administration. EMS has always been a key component in effective and timely management of these patients. Emerging evidence demonstrates the superiority of combined systemic IV tPA with endovascular treatment in patients with large vessel occlusion (LVO) over systemic tPA alone, challenging EMS systems to develop sensitive screening tools for LVO and updated destination plans.

7 Things Your Mother Never Told You About Epidemiology

Constellation E

Darcy Phelan-Emrick, DrPH, MHS

This session will introduce you to the basics of epidemiology - the cornerstone of public health. We'll cover how epidemiologists make measurements and comparisons to describe the distribution and determinants of disease in populations and how this information is used to control disease at the individual- and population-levels. You'll learn about types of disease surveillance, including how your purchase of over-the-counter cold medicine at a local pharmacy could trigger an alert for a possible outbreak. After this session, you'll be able to (1) list and explain the three core functions of public health, (2) describe how epidemiology fits into public health and healthcare, and (3) discuss different types of epidemiologic disease surveillance.

Conference Schedule - Friday, February 24, 2017

Food Allergies - What's it all about?

Constellation F

Beth Schwartzman, RD, LDN, CDE

The increased incidence and prevalence of food allergies has had an enormous impact on individuals, organizations and the medical community. What is the cause of the rise in food allergies? What are the most common allergies? How does an allergy differ from a food intolerance? In this session we will delve into the background of food allergies and examine what the current recommendations are to manage and live safely with those allergies. We'll look at cutting edge research and the potential for cures and treatment. We will also discuss how food allergies are managed in the many areas of life impacted by this such as schools, camps, colleges and restaurants. As EMS providers, a foundation of knowledge in this often misunderstood area of health can be lifesaving both on the job and off.

Chiefs and Presidents Leadership Panel

Chesapeake

George 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.

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

Constellation A/B

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

Physio-Control CPR Challenge

Ballroom Foyer

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

11:00 pm - 12:00 am *EMS as a Spectator Sport*

Constellation A/B

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

SEE YOU IN THE MORNING...

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

Most session abstracts also have associated learning objectives available in the online electronic version of this program. Visit www.ncemsf.org/conf2017 to view the electronic program or to download a PDF of this printed program to your smartphone or tablet.

Sessions are open to all, however, seating in all rooms is limited intentionally to 75-100 people. So plan ahead to avoid being shut out of a lecture you really want to hear (note: many presentation slides will be made available online post conference). In deciding which lectures to attend, consider your personal as well as corps' needs. For example, new startup organizations may want to prioritize lectures in the administrative/leadership track. Larger groups in attendance may want to divide up so that delegates are in each lecture offered rather than all sitting together in one lecture session.

Conference Schedule - Saturday, February 25, 2017

- 7:00 am - 10:00 am** *Late Conference Check-in* *Atrium*
- 7:15 am - 8:30 am** *Continental Breakfast* *Ballroom Foyer*
- 7:45 am - 8:20 am** *Group Introductions / Meet & Greet* *Constellation A/B*
Bring the banner you created on Friday night and show your organizational spirit. Each collegiate EMS organization will have an opportunity to briefly introduce itself (school, location, number of members, level of service, how many delegates at the conference, and one unique thing about the group). Sit by NCEMSF Region so you have a chance to further mingle and meet your fellow collegiate EMS providers.

Anniversary awards will 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* *Constellation A/B*
Campus EMS Highlights
George J. Koenig, Jr., DO, NCEMSF President, Moderator
Campus EMS groups from across the country will share their unique experiences in a series of short-form lectures. The topics will range from response to extraordinary incidents to participating in signature NCEMSF programs such as EMS Week and EMS Ready Campus to novel training courses. Listen to your peers explain the challenges of their particular situation and how their agency rose to the occasion to achieve success.
- 9:25 am - 10:25 am** *Workshop Session 3*
Ultrasound For EMS *Annapolis*
Carl Alsup, MD
A few EMS departments across the country are starting to use ultrasound to make clinical decisions in the field. The FAST exam is now part of ATLS and core to Trauma and Emergency Medicine evaluation. Its use is still cutting edge for EMS systems but its use will likely grow exponentially soon. This lecture will review the basics of how an ultrasound works through showing cases of major pathology diagnosed on ultrasound. Be the first of your colleges to learn to use this exciting skill.
- Quality Assurance for College EMS** *Baltimore*
David Goroff, MS and David Stamey, CCEMT-P
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 and 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.
- ALS for the BLS Provider** *Chesapeake A*
James Wilmerding, MS, MEd, EMT-P and Margaret Houghton, WEMT-P
It's 0300 - You have just arrived on-scene of an "ugly" motorcycle MVA with PI....Uh OH!!! Hey look!! - The Medics are coming!, The Medics are coming! Hooray! This guy is going down the dumper...PHEW, I can clear the scene now. But wait....What....You want ME to ride with YOU in the back and not just drive!???? Oh my - all that "ALS talk" is just Greek to me". "What's a Bougie, a King, a Saline lock?....Hand me a 18... Let's get a 12" H-E-L-P!!!! Come join our discussion and take the mystery out of the ALS world. We will review and "Show and Tell" some of the common ALS treatments, techniques and equipment. There are multiple means by which the EMT/AEMT can become an integral and essential team player in assisting with patient care while enhancing the quality and effectiveness of needed ALS level treatment.
- How'd He Do That?! Using Mechanism to Predict Injury** *Chesapeake B*
Rebecca Schwartzman, ATC, AEMT-P
Snap! Crackle! Pop! Rice Krispies, or bone, ligament, and muscle?! This presentation will discuss various mechanisms of injury and how they can be reliable pieces of information for determining orthopedic injuries that your patient has sustained, whether it's on the field or on the trek home from downtown.

Conference Schedule - Saturday, February 25, 2017

Sense & Sensitivity: Trauma-Informed Responses to Sexual Assault Calls

Columbia

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 thriver? Done poorly, your actions could hinder a victim from seeking further treatment or even justice. Yet when done well, your trauma-informed response could help contribute to the healing process and eventual flourishing. Wouldn't you like to know more about handling these delicate situations, so that everyone from the survivor to the EMS crew 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.

Five Studies From 2016 That Could Change Your Future Practice

Constellation C

Kenneth Navarro, MD

This presentation will review the results of five research studies published in 2016 that stand to have the greatest impact on the prehospital care of patients in the near future. This presentation will examine treatment and team dynamics in cardiac arrest, oxygen and nitroglycerin administration for cardiac emergencies, and dextrose administration for hypoglycemia.

Baby, It's Cold Outside!

Constellation D

Gates Richards, MEd, FAWM, WEMT-I

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.

Bringing the Stop the Bleed Initiative To Your Campus

Constellation E

Matthew Levy, DO, MSc, FACEP, FAEMS, NRP

The goal of the Stop the Bleed initiative is to improve survival by decreasing preventable deaths from severe bleeding, - which remains a leading cause of preventable death amongst trauma patients. Beyond high profile incidents including intentional attacks and mass casualty situations, and with even greater frequency, severe bleeding occurs as a result of everyday trauma from accidents in the home, workplace mishaps and motor vehicle collisions. An embodiment of national recommendations by the White House Stop the Bleed Initiative and other expert groups, the development of campus wide bleeding control programs can help to enhance resilience during a critical event and improve collegiate EMS program outreach efforts. This session will highlight the magnitude posed by severe bleeding in traumatically injured patients, review the core concepts associated with National Stop the Bleed Initiative, and provide an overview of the bleeding control program designed and implemented in Howard County. In addition, lessons learned during the program's implementation will be shared, as well as other key topics including the importance of obtaining stakeholder buy in, identifying funding sources, training program development, bleeding control kit composition and location selection.

EMS Handoff: What the Trauma Surgeon Really Wants to Know *Constellation F*

Adam Fox, DO, FACS

The typical EMT/Paramedic student gets little to no education or training on the appropriate hand-off between EMS and the trauma team. The goal of this talk is to introduce the EMS provider to the trauma team and to learn what they really want to know about the patient. Using case-based scenarios, we will review the important aspects of both blunt and penetrating trauma and how to present them for maximal effect.

Improving SCA Survival: Time to Act Overview & Recommendations

Frederick

David Hiltz and Kevin Seaman, MD

The National Institutes of Health and the Institute of Medicine (IOM) convened a committee of experts to study the current status of, and opportunities to improve, cardiac arrest outcomes in the United States. Strategies to Improve Cardiac Arrest Survival: A Time to Act, the committee assessed the state of existing lifesaving therapies and strategies that could improve rates of survival without disability, and promising next steps to improve the quality of care for this prominent public health threat. Our experts, David Hiltz and Dr. Kevin Seaman will provide a concise review of this important publication with significant recommendations. The overview will be combined with insight gained through attendance at a stakeholder meeting conducted at the National Academies of Science, Research and Medicine and developments to date.

Conference Schedule - Saturday, February 25, 2017

Skills Lab: The Art of Suturing

President

Katie Egan, MD, RN, Shannon Tomfohrde, MD, AEMT 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, Emergency Medicine, and Family Medicine. This hands-on workshop will introduce different types of suture, 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 those interested in wound care, especially those interested in pursuing careers in medicine, physician's assistant, and nursing.

**** This is the first of the Skills Labs scheduled for the conference weekend. This and all Skills Workshops are LIMITED TO THE FIRST 25 PARTICIPANTS. Sign up sheets for all Skills Workshops will be available at the registration desk Saturday morning at 7AM.**

Roundtable: Administrator/Advisor/Medical Director

Calvert

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.

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

What's New and Exciting?

Annapolis

An Overview of Recent EMS Research

Sean Britton, NRP, CPH, CEM

The practice of medicine is constantly changing in response to new research demonstrating how to optimize patient outcomes. This presentation will review basic research concepts and provide an overview of recent research that is of value to emergency medical services practitioners. EMS practitioners will leave this session with new evidence-based knowledge which can be directly applied to practice.

Understanding and Changing the Culture of Your EMS Organization

Baltimore

Brian Brauer, EdD

This presentation is a must for leaders of collegiate EMS organizations that are looking to implement a new program, make significant changes to their service delivery, or address shortcomings in how their agency operates. The presentation begins with an understanding of culture, what it means, and how to describe it. Next, examples of how culture is manifested in collegiate EMS organizations will be discussed, drawing upon the experience and examples from the audience. Gagliardi's model will be used to frame a discussion on how to change culture in EMS organizations, based upon the presenter's ongoing research. Participants will leave with an understanding of how change initiatives succeed or fail, and with resources to make successful changes in their collegiate EMS organization.

Uniting Academia and Practitioners to Promote College Campus Resilience

Chesapeake A

Kathy Francis, MS, CEM, MDPEMP and Christopher Sasse, MS

College campuses provide a variety of unique hazards and situations. Engaging faculty, staff, and students in emergency planning, drills, and exercises can be a challenging feat. Reviewing the successful engagement at Frederick Community College, this session will discuss strategies to maintain enthusiasm and participation among all College campus stakeholders.

Herniations and Hematoma's: A Review of Brain Injuries

Chesapeake B

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

This lecture will review the different types of brain injuries and discuss the pathophysiology of intracranial pressure and the Monroe-Kellie theory. Primary and secondary brain injuries including: Hematoma's, Brain Herniations, Diffuse Axonal Injuries and Brain Anoxia will be covered. Assessment findings and treatment for each will be highlighted.

Desert EMS Encounters and Hyperthermia

Constellation E

Laura Hanson

Providing emergency medical care in a desert environment presents unique challenges. This lecture will discuss common plant and animal encounters as well as heat related emergencies. Proper prevention, recognition, and treatment of these conditions will be applied through case scenarios from the Arizona desert.

Conference Schedule - Saturday, February 25, 2017

Preparing for Emotional Disasters

Columbia

Amy Eisenhauer

We are in the preparedness business. We expect the "what if," and have an answer to the question, "what now?" We buy ANSI vests, helmets and reflective jackets for physical protection, but what do we do to protect ourselves mentally? EMS provider PTSD and suicide awareness has increased over the past few years, but how to we translate awareness into action? This presentation will discuss the importance of integrating CISM and other mental health resources into agency SOP/ SOG, resilience training for both new and veteran providers, and provider fatigue for both personnel and leaders.

Cutting Edge Hemorrhage Control

Constellation C

Joshua Marks, MD

In trauma care, bleeding trumps all. Time to definitive surgical control of hemorrhage is critical. Several temporizing adjuncts for hemorrhage control are surfacing with varying prehospital applications. This lecture will instruct attendees in the techniques and evidence supporting their use including REBOA - resuscitative endovascular balloon occlusion of the aorta.

Street Ethics: Decision Making in Crises

Constellation D

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.

Surviving Sepsis and Its Impact on EMS

Constellation F

Joseph Grover, MD

Sepsis has rapidly become one of the hottest topics in Emergency Medicine. Similar to STEMI, stroke, and trauma, rapid recognition and treatment of sepsis has been shown to have significantly reduced morbidity and mortality. The purpose of this lecture is to explain the concept of sepsis, provide a system for recognizing sepsis using tools already utilized by EMS providers, and provide a brief description of its treatment. The Surviving Sepsis Campaign will be used to outline primary treatment algorithms. Finally, the role of EMS in sepsis management will be explored including a description of some areas of prehospital sepsis research.

Building Your Own Mobile Hands-Only CPR Strategy

Frederick

Richard Shok, BSN, RN, EMS-I, NRP

CPR Superheros are everyday men and women with the power to save the life of another person. There are CPR Superheros in every city and every country, waiting day and night to put their knowledge and skills to use. Our experts, David Hiltz and Rich Shok will provide an overview of current evidence and practices related to citizen CPR education. Additionally they will provide participants with innovative and replicable strategies for use on college campuses and in other communities.

Skills Lab: The Real Thing! Hands on Skills Practice with Real Organs

President

Alethea Granberg, MSM, EMT P, Raymond Levy, MPH, EMT I/C,

Daniel Feldman, and Tim Anastas, MS

Enjoy a hands on session of respiratory and cardiac anatomy & physiology concepts review and ventilation management skills practice through discussion and discovery using real porcine respiratory anatomy. Don your gloves, grab your BVM (and potentially a scalpel) to evaluate the tissues and structures and understand their positioning. Perform ventilations. Evaluate the impact of injury to the ability to ventilate. Increase your confidence and understanding of respiratory and ventilation concepts.

Skills Lab: Hemorrhage Control - Stop the Bleed/REBOA

Conway

Matthew Levy, DO, MSc, FACEP, FAEMS, NRP and Adam Fox, DO, FACS

Practice your hemorrhage control skills in this hands on experience before your patient bleeds out! Learn the basic skills that you can teach to bystanders to stop bleeding. You will also have the opportunity to see how the REBOA catheter works and deploy the catheter to occlude the aorta.

Conference Schedule - Saturday, February 25, 2017

Roundtable: Technology

Calvert

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

EMS traditionally has been slow adopt new technology. However, advancements in the last 10 years have made it a necessity. From transmitting 12-lead EKGs to a receiving hospital to electronic patient care reports (ePCRs), technology has become pervasive in all aspects of EMS. This roundtable workshop will discuss some of the current hot topics and dive into areas of interest indicated by the attendees.

Roundtable: Advertising and Campus Media

Lombard

*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.

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

16th 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.

Hot Topics in EMS Research

Annapolis

Andrew Rosenblum, EMT-I, Johns Hopkins University

For most of the history of EMS, research played a minimal role in protocol development; however, recent research has shown what can be done in the prehospital setting to improve patient outcomes. This talk will go beyond the science of backboards and cover some of the latest topics in EMS research including cardiac arrest, sepsis, trauma and ultrasounds. This session will also touch on how research becomes protocols with a focus on best practices for implementing new protocols.

4.7 Seconds from Disaster!

Constellation C

The Planning and Execution of Anticipated MCIs

Christopher Anderson and Matthew Delancy, Villanova University

Every year, 68 teams compete in the NCAA Men's Basketball Championship. In 2016, Villanova took home the coveted title of National Champions. For the members of Villanova EMS, this momentous occasion marked the single largest pre-planned mass casualty event in the organization's history. Drawing on literature, outside experience, and Villanova's own response, this presentation seeks to provide a framework for planning and executing a response to anticipated mass casualty events. Discussion will emphasize important considerations with regard to event size, dealing with large (and unruly) crowds, expected injuries, and required medical staffing. Of course, according to Murphy's Laws, "if anything can go wrong, it will." As such, discussion will also focus on understanding what can go wrong, how to anticipate and react, and reviewing what lessons Villanova EMS learned from this event.

Brotherhood of the Travelling StatPack

Constellation D

Morgayne Nash, University of New England

Suicide is one of the things in life that we all know is there, but is never discussed, and we never experience. UNE EMS thought the same way, until one of our members took his life. In this presentation we will discuss the proper ways to deal with mental health as a squad including how to create protocols for suicide and mental health situations and resources available to help in times of trouble should your squad ever need a little extra support. As EMTs we often feel the best when we are caring for another and UNE EMS found great healing in the events we held after the loss of our friend; so we will also be discussing ways to bring suicide and mental health awareness to your campus.

Getcha' Head in the Game:

Constellation E

Concussion Management for On-Campus Athletes

Oresta Borodevyc and Yash Varma, Drexel University

From the recent movie Concussion to NFL players seeking treatment for head injuries, concussion management is continually a hot topic. On collegiate campuses, concussions are especially frequent and require an efficient management protocol. EMT's are trained that, in evaluating a potential concussion, assessing a patient's mental status is our primary concern. However, recent research says otherwise. Greater analysis of the mechanism of injury and an emphasis on assessing a detailed history are two of the many common practices highlighted in the updated protocol. Join us as we revisit the protocol for management of prehospital concussions and discuss complications associated with the injury!

Conference Schedule - Saturday, February 25, 2017

Oh Baby! Identifying Emergencies In Antepartum, Intrapartum, and Postpartum Periods

Constellation F

Nicole Taylor, University of Arizona

Few EMS calls foster more uncertainty than those concerning pregnancy complications and childbirth. These high acuity situations require thorough assessment, refined physiological knowledge, and a level head. This program will review normal physiological changes throughout pregnancy, actions to take during childbirth, and postpartum care for both mom and baby. Additionally, this lecture will reach beyond the EMT textbooks to discuss common pathologies in the antepartum, intrapartum, and postpartum periods and how thorough BLS assessment and treatment can be key in increasing favorable outcomes.

University Medical Amnesty Policy

Frederick

Andy Kaufmann and Julie Solomon, Washington University—St. Louis

This presentation discusses medical amnesty policies (MAP) on university campuses. An MAP is defined as any policy or law that mitigates or removes judicial consequences for intoxicated minors when they request medical attention for themselves or another individual. The presentation explores the implications of alcohol consumption at universities and includes information about on-campus underage drinking, binge drinking, alcohol poisoning, and treatment of severely intoxicated patients. Subsequently, we describe different MAP's and examine their perceived benefits and problems. In addition, we present two case studies of universities implementing MAP and the impacts they had on their campuses. Before implementing an MAP, investigators on one campus found that 7.5% of students were reluctant to call for EMS assistance due to fear of sanctions and 9.3% said they did not know if the person was sick enough. After implementing an MAP, the number of calls increased 9.5%. On another campus, investigators found that their alcohol-related calls increased 16% two years after implementing an MAP. Next, we explain how to best work with university administrators to implement an MAP. Lastly, we provide strategies on how to educate the student body on the signs of alcohol poisoning and their university's MAP.

Regional Roundtable Discussions

Constellation 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 one of the Harborplace foodcourts (either in The Light Street Pavilion or The Gallery) or the hotel restaurant-Bistro 300. There are plenty of options to fit any appetite and budget. Consider taking advantage of *Baltimore's Show Your Badge Program*. See a listing of options on page 34.

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

Undergraduate EMS Research

Annapolis

Lisa Basgall and Samantha Leonard

Research in medicine is essential to the development of evidence based practice. Are drugs good because they've always been given for that condition, or should a procedure always be done this way because a mentor outlined those steps 25 years ago? The development of evidence based guidelines sets a high standard for ethical, unbiased research that needs regular updates. EMS research presents a unique set of challenges - people don't usually plan to have emergencies, and conducting research in a constantly changing environment is challenging. EMS undergraduate research can contribute to the exploration of new guidelines. The development of an undergraduate research course allows for students to participate in creating new projects, drafting an IRB, participating in gathering data, and drawing applicable conclusions. How can your institution support a course of this type, and what resources are already in place? Consider the steps involved and the benefits of the development of an undergraduate EMS research course.

Hey, I Just Got My License, UH OH Now What?

Baltimore

James Wilmerding, MS, MEd, EMT-P and Hugh Smallwood, EMT-P

Congratulations or Condolences?? You have just spent the last 3-4 intense months in an EMT Class learning a "ginormous" amount of new knowledge and sooo many practical skills that you thought you were just going to explode!! But you did it!! You passed your class's final Written and Practical exams AND OMG the infamous "REGISTRY"!! You are joining your new employer tomorrow morning - ABC Ambulance Service - for your first real live actual shift with real, live (hopefully) patients. "What on earth have I gotten myself into? What am I going to do? How will I remember everything? What happens if I mess up?" Come explore and share perspectives on "How I can get from this point ... to there? What are the next steps? What do I need? What does it take to move forward towards becoming a confident, competent, and productive emergency provider? We'll talk about orientation, training, mentoring, caveats, expectations, evaluations and more. Whether you are just starting out or have "been around forever", come share your ideas.

Conference Schedule - Saturday, February 25, 2017

Stop! You Can't Make Me Go!

Chesapeake A

David Afienko and Danielle Gruen

Recent statistics suggest an increase in the number of student mental health crises on college campuses. Despite the increase in occurrence, usage of campus counseling services remains relatively unchanged. A disconnect between those seeking help and those wanting to help exists, and college-based EMS is positioned to help bridge that gap. MIT and NCEMS are currently researching relevant questions such as: Why don't students seek help? What are some barriers that exist that would stop you from seeking help? Is there a way we can fix this? How does your agency handle mental health calls? What happens when someone has a suicidal thought? Who is responsible and what are the ethical or moral dilemmas involved? Bring your concerns, expertise, and suggestions to this roundtable for an open discussion.

"Just Syncope," Or Is Death Knocking?

Chesapeake B

Cameron Decker, MD, LP

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."

Suicide and Other Psychiatric Emergencies on Campus

Columbia

Ari Rabkin, PhD

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

Medical Management of Chemical Gas Releases on Campus

Constellation C

Mark Pinchalk, MS, EMT-P

A large number of chemicals found on college campuses present inhalation hazards if inadvertently released. These chemicals may be simple or systemic asphyxiants, irritant gases or CNS/cardiac toxic agents. This presentation will cover the chemical toxidromes of some of the chemicals, initial scene management issues & medical management of patients exposed to these agents.

Collegiate EMS Rescue Task Force

Constellation D

Jackson McWade, NRP, FP-C, TP-C, C-NPT, CP-C

In the world that we live in the now the threat of an active shooter or lone gunman terrorist attack is something that EMS must plan for. The idea of a rescue task for has been implemented successfully in many major city and small towns. Collegiate EMS must be ready to respond to these situations and have a plan to integrate with local police, fire, and EMS. During this lecture we will discuss types of incidents, EMS response to these incidents, and implementation plans for Collegiate EMS systems.

Pediatric Disaster Preparedness: What's your Plan?

Constellation E

John Jermyn, MS

Children are frequently victims of disasters and despite a recent increase in focus on disaster preparedness at every level; significant gaps remain in pediatric specific planning. A mass casualty event (MCE) involving children could overwhelm existing clinical and non-clinical pediatric resources. The New York City Department of Health and Mental Hygiene fund the NYC Pediatric Disaster Coalition (PDC) to prepare NYC hospitals for a MCE involving large numbers of pediatric victims. A pediatric disaster plan is not considered fully operational until it has been exercised or tested in a real life emergency. The PDC has developed, implemented, and exercised pediatric disaster plans in NYC hospitals. This lecture will discuss lessons learned.

Decision Making: Errors of Perception

Constellation F

Gates Richards, MEd, FAWM, WEMT-I

In this session, we will explore the neurobiological factors of perception that contribute to human errors in decision-making. Using video, activities and magic, we will experience and discuss errors of attention, errors of pattern recognition, and priming errors. Though we cannot eliminate these hazards from our decision-making process, we can recognize their effects, account for their presence and minimize the chances of significant fallout from the traps they set. By increasing our awareness of how the brain processes information, we can take steps toward being more deliberate in our decision-making awareness, and perhaps make more consistently good decisions.

Conference Schedule - Saturday, February 25, 2017

Using Sign Envy to End Survival Envy

Frederick

David Hiltz and Mark Forgues, MEd

Each year, cardiac arrest strikes more than half a million people and contributes to avoidable death and disability across the United States; it affects seemingly healthy individuals of all ages, races, and genders, often without warning. Following a cardiac arrest, each minute without treatment decreases the likelihood of survival with good neurologic and functional outcomes. Thus, the consequences of delayed action can have profound, and in many cases, avoidable ramifications for individuals, families, and communities. Our experts, David Hiltz and Mark Forgues will provide a concise overview of the HEARTSafe Campus and HEARTSafe Community models. More importantly, they will be joined by peers from NCEMSF member agencies in providing guidance and a roadmap for implementation.

Skills Lab: Ultrasound

President

Carl Alsup, MD

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

Roundtable: Research Design & Execution in EMS

Lombard

Michael Hilton, MD, MPH, FAEMS, NCEMSF Director-at-Large

Yoni Litwok, MD, NCEMSF Director-at-Large

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.

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

Recent EMS Research That Will Save Your Patients' Lives!

Annapolis

J. V. Nable, MD

The science of EMS is ever-evolving. As prehospital providers and administrators of EMS agencies, it is important to remain abreast of key and landmark articles in the medical literature. This lecture will familiarize learners with hot topics in EMS, the science behind the research, and how recently-published research can change the way we care for our patients. Topics include high performance CPR, sepsis recognition, and selective spinal immobilization.

Perspectives on Risk- Safety Culture and Organization Dynamics

Baltimore

Guy Barber, MPH, EMT-P

In this lecture we will introduce basic concepts and seek to develop a framework for discussing safety. We will introduce the safety tool kit to include Root Cause Analysis (RCA), Risk Assessment Matrix, checklists, and SMS Tool Kits. We will explore the application of Safety oversight in diverse environments such as hospital administration, medicine, aviation, and finally, EMS. Finally, we will explore organizational dynamics and seek to understand how best to develop a safety culture which contributes to safe operations, and engages staff in a meaningful way.

Infection Prevention in EMS:

Chesapeake A

Optimization of Disease Exposure Notification

Alexander Sundermann, MPH, CIC

Background: The Ryan White HIV/AIDS Treatment Extension Act of 2009 Part G requires medical facilities to notify emergency response employees (ERE) within 48 hours of a known exposure to certain infectious diseases. This notification is to promote timely provision of post-exposure prophylaxis when indicated. The objective of this project was to increase infectious disease exposure notification to EREs from hospital facilities utilizing a prehospital care department to streamline reporting. Methods & Results: The protocol was developed and initiated in a network of 20 urban and suburban medical facilities utilizing the medical facility's prehospital care representative to contact exposed EREs. Infection prevention and prehospital care respectively assessed the quality, timeliness, and accuracy of the notification protocol during the seven month study period. There were eight airborne disease exposure notifications during the seven month study period. The use of the medical facility's prehospital care representative to contact exposed EREs expedited the overall notification process (<48 hours) as the study period progressed. Conclusions: A structured approach of infectious disease exposure notification using prehospital care representatives significantly improved both the timeliness and quality of notifications. Collegiate ERE groups should consider establishing a clear line of communication to potential medical facilities to streamline infectious disease notification.

Conference Schedule - Saturday, February 25, 2017

That's Shocking! A Review of Electrical Injuries

Chesapeake B

Joshua Glick, MD

Electrical injuries are an uncommon and unpredictable. They can occur in any environment, during any season, and at all times of the day. Many of these patients may look well, but closer physical exam has the potential to reveal critical internal injuries that might be otherwise missed by the prehospital provider. During this shockingly good lecture, we will review common types of electrical injuries, the subtle injury patterns that may result from an electrical injury, as well as tips for managing these potentially sick individuals in the prehospital setting.

Opioid Overdose and Treatment: Digging Deeper

Columbia

Sean McMullen, CEP

EMS is full of myths, ranging from spinal immobilization practices to oxygen therapy methods. One of the darkest myths, though, surrounds the use of opioid antagonists such as naloxone (Narcan) for treating opioid overdoses. The widespread misunderstanding of naloxone was overlooked for decades. However, with the current opioid crisis affecting nearly every community in America, EMS providers are forced to reevaluate their understanding of opioid overdose and its treatment. This highly interactive lecture will discuss the basics of opioid pharmacology and overdose, including field-expedient methods for distinguishing opioid-related altered mental status from the many other causes of altered mental status. It will then cover the mechanism of naloxone at a molecular level. The discussion will move in to safe, effective methods for reversing opioid overdose while also exploring some of the risks of over-treating. This lecture will present evidence-based best practices. The speaker will draw on the experience of the audience to combine "textbook medicine" with "street medicine" and attempt to discover a meeting point between the two that is not only rooted in science but also realistic and applicable to every-day patients.

What's all the excitement about? DELIRIUM!

Constellation C

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

The increased availability of designer and other psychoactive drugs had resulted in an increased presentation of Excited Delirium Syndrome (ExDS). Like other entities managed by prehospital personnel, the treatment of ExDS is time sensitive and necessitates transport to definitive care. Understand the signs and symptoms associated with this condition and outline evidence-based approaches to its treatment.

Fire Scene Rehab: Not Just Watching the Fire!!!

Constellation D

J. Dominic Singh, NRP

When EMS agencies are called to the scene of a working fire incident they are often tasked with firefighter rehabilitation. Do you really know what is expected of you? Do you have the right gear? To what standards are you being held? This program will review the core concepts of proper firefighter rehabilitation so you can avoid the most common pitfalls. The speaker will share some of his experiences, both positive and negative, from his perspective as both an EMS provider and a firefighter.

I've Got No Defense

Constellation E

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

This presentation provides insight into the world of autoimmune disorders. We will discuss how the body creates these conditions that make us more susceptible to a host of illnesses and differentiate some signs and symptoms that make be pieces in this complex puzzle.

Emergency Management: It's More Than Just ICS

Constellation F

Daniel Maas, CEM

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.

Access Denied!

Frederick

Failures in Automated External Defibrillator Deployment

David Hiltz

Early and high-quality CPR and rapid defibrillation are proven strategies for improving outcome in sudden cardiac arrest and millions of defibrillators have been purchased by and placed in public venues. Despite this, many victims are not defibrillated in a timely fashion. Our expert, David Hiltz will provide a concise review of current practices, why they fall short of expectations, and emerging new strategies to improve access, time to defibrillation and outcomes.

Conference Schedule - Saturday, February 25, 2017

Skills Lab: Johnny Is Lost Introduction to Search and Rescue *Gates Richards, MEd, FAWM, WEMT-I*

Conway

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

Skills Lab: Ultrasound *Carl Alsup, MD*

President

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

Paging Dr. Hirschfeld: Supportive Forum for LGBTQ Members and Allies *Eric Garrison*

Calvert

For all the time and effort we spend taking care of others, we often forget that there is value in taking care of ourselves. Whether you are still in the closet or already out in the crew room, you are valuable as an LGBTQ member of your squad, your university, the NCEMSF, and the world around you. No matter where you fall on the Kinsey Scale, no matter how out you are, or no matter how much ally work you have done, we invite you to be a part of this brave space where you can come out, be out, and learn how to support yourselves and your entire crew as citizens of this global community.

Roundtable: Recruitment and Retention *Katie Eagan, MD, RN, Evan A. Formosa, and Lex Martin, RN, NCEMSF Regional Coordinators*

Lombard

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.

3:40 pm - 3:55 pm

Snack Break

Ballroom Foyer

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

LGBTQ Social

Harborview

If you'd like to meet others, discover a supportive friend, or just be yourself, you have a choice to take your break with us. After all... when it comes right down to it: no matter whom we love, we all love cookies.

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

Ethics in EMS Education

Annapolis

Brian Brauer, EdD

We see it in the news all of the time- cheating in a fire academy, questionable behavior in the classroom instructional setting. How do you address this in your organization? This presentation will briefly discuss ethics and values, but spend most of the session working through scenario-based ethical problems you may confront in the classroom.

Managing Crashing Patients in the Field - Reducing Mortality *Baltimore* *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.

Conference Schedule - Saturday, February 25, 2017

Prehospital Monitoring: Capabilities and Limitations in the 21st Century *Samuel Galvagno, DO, PhD, FCCM*

Chesapeake A

Standard physical findings and vital signs are difficult to measure in the prehospital arena, and these measures have been found to be inaccurate until patients deteriorate to a state of decompensated shock. Current field triage guidelines rely on physiological measures and levels of consciousness to determine the need for expeditious transport to a trauma center, but triage errors are costly and occur often. Due to the dual task of treatment and record keeping, prehospital collection of vital signs is challenging and fraught with inaccuracies. Compensatory mechanisms--such as vasoconstriction, release of stress hormones, baroreceptor reflexes, and renal compensation--confound vital sign interpretation. In this lecture, current technologies and research regarding prehospital monitoring will be reviewed with an emphasis on current, ongoing work at Shock Trauma.

Taking the Blood Bank to the Field: Prehospital Transfusion Medicine *Peter Adams, CCRC*

Chesapeake B

If you've walked on scene and said "there's so much blood!", this is your lecture. Severe, uncontrolled bleeding remains the leading cause of death for severely injured trauma patients. Trauma centers have been treating patients in hemorrhagic shock with blood transfusion for decades and they are killing it! Despite this, prehospital blood transfusion is virtually non-existent outside of a select few air medical services. Ongoing research studies are looking at EMS giving patients blood before they arrive at the trauma center as a potential means to increase their chances of survival. This lecture will review the pathophysiology of hemorrhagic shock and the past, present, and future approaches to resuscitating these critically ill patients.

Not Just in Movies: PTSD & Suicide in EMS Providers *Amy Eisenhauer*

Columbia

In recent years the veil of stigma against asking for mental health help has been pierced, but continued education and awareness is needed to strengthen EMS provider mental health. This session will use video clips from prominent EMS, fire, and military related movies and shows, to discuss precursors and signs that could lead to provider suicide including the role PTSD, personal problems, and addictions play. Amy will also examine specific issues and discuss programs that are challenging the current stigma of asking for help.

"Give Me a Hand ... Too Soon?" - Forearm Trauma *Benjamin Abo, DO, EMT-P, FAWM*

Constellation C

The hand is arguably one of the most important body parts and, perhaps second only to the face, the most representative of humanity. In this highly-visual lecture we will visit/review forearm and hand anatomy and in case-based format go through various common (and freak) emergencies involving the hand and forearm.

Molly and Her Friends: A Review of Drugs of Abuse *Gary Hecker, RN, CCRN, AEMT-CC, CIC*

Constellation D

In this session the participant will learn about a variety of drugs of abuse including Ecstasy (Molly), Bath Salts, Synthetic Narcotics and Synthetic Marijuana. There will also be a discussion about Excited Delirium. Assessment and pre-hospital care for these patients will be covered.

EMS Mythbusting: Hyperkalemia *Kimberly Baldino, MD*

Constellation E

"This weird EKG can't be hyperkalemia, my patient doesn't have renal failure!" "Will I hurt the patient if I treat for hyperkalemia and I'm wrong?" There are many common misconceptions in the identification and treatment of hyperkalemia. Prehospital providers commonly think of this as a cause of symptoms in the dialysis patient, but are we missing it in other patients? There's more to the hyperkalemic EKG than peaked T waves, and the treatment may be not be as harmful as you'd think.

"Sign This..." The Basics of EMS Consent and Refusal *Joseph Grover, MD*

Constellation F

How often are we faced with patients that want to refuse medical care but as providers we know they should be seen in the hospital? How do we determine a patient has the capacity to make medical decisions? What should we do if we feel they do not have the capacity? What are common criteria for determining a high risk refusal patient? This presentation will cover the main concepts involved in establishing capacity for medical decision making and also outline criteria that can be used to determine who falls in a high risk refusal category.

Conference Schedule - Saturday, February 25, 2017

Taking on Public Enemy #1. Join the EHAC Posse!

Frederick

David Burt, MD, FACC, Raymond Bahr, MD, FACC and David Hiltz

EHAC®, is a public awareness campaign intended to educate the public about the signs of an impending heart attack and that these signs and symptoms can occur days or weeks before the actual event. These early symptoms need to be recognized and treated to avoid the damage caused by a full-blown heart attack. Our experts, Dr. Ray Bahr, Dr. David Burt and Dave Hiltz will discuss the primary goal of Early Heart Attack Care, to promote public awareness that heart attacks have "beginnings" that can occur weeks before the actual attack and enlist the aid of NCEMSF member organizations to advance the EHAC message.

Skills Lab: Disaster Tabletop

President

John Jermyn, MS, EMT-B

Have you had the opportunity to participate in a disaster exercise or drill? Here's your chance to participate in a tabletop exercise. The purpose of a tabletop exercise is for emergency personnel to discuss simulated scenarios, decide on appropriate responses, assess plans, policies, and procedures and develop lessons learned from the event. The goal of this tabletop is to introduce a stressor by creating a complex scenario which forces participants to think quickly about responding to the event and then to analyze any gaps and create improvements in future planning and response to real-life incidents. 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 participants to share their thoughts on the exercise and to discuss positive and negative feedback on the activity. Gaps and concerns (lessons learned) will be used to revise plans and improve future outcomes.

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

Conway

Gates Richards, MEd, FAWM, WEMT-I

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...

Roundtable: QA/CQI

Calvert

Frank Caria, MPA

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

Roundtable: Creating an Alumni Network

Lombard

Joshua Glick, MD, NCEMSF 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.

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

George Koenig, Jr, DO, NCEMSF President

Saving the Exsanguinating Trauma Patient: Emergency Preservation and Resuscitation

Constellation A/B

Samuel Tisherman, MD, FACS, FCCM

Although cardiopulmonary resuscitation (CPR) revolutionized the care of patients with non-traumatic cardiac arrest, outcomes for cardiac arrest after trauma (usually from exsanguinating hemorrhage) remain dismal, with less than 10% survival despite aggressive resuscitation attempts, including airway management, blood transfusions, and a resuscitative thoracotomy. Closed chest CPR is ineffective without blood in the circulation. Surgeons can't obtain hemostasis before irreparable harm is done to the heart and brain, even though the injuries are often technically repairable. Hypothermia could decrease metabolic needs of vital organs in order to "buy time" for surgical hemostasis and delayed resuscitation. This novel approach to resuscitating the exsanguinated trauma victim is now called Emergency Preservation and Resuscitation (EPR). A clinical feasibility study is currently underway. Patients with penetrating trauma who have suffered a cardiac arrest within 5 minutes of hospital arrival are eligible if they don't respond rapidly to standard resuscitation. They would then be cooled with an intra-aortic infusion of cold saline. In this state of hypothermic circulatory arrest, the trauma surgeon can rapidly gain control of bleeding while a cardiac surgeon prepares for delayed resuscitation using cardiopulmonary bypass. The primary outcome measure will be survival to hospital discharge with minimal neurologic disability.

Conference Schedule - Saturday, February 25, 2017

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

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

Awards Ceremony

NCEMSF recognizes outstanding efforts made by individuals and organizations through its awards program. The winners of the Physio-Control EMS Skills Classic and CPR Challenge will be announced. New additions to NCEMSF's Striving for Excellence, HEARTSafe Campus and EMS Ready Campus Programs will be acknowledged.

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 Harborview*

Campus EMS Alumni are invited to join NCEMSF leadership for an alumni mixer. Reminisce with old friends and catch up on happenings since graduation. Network with our accomplished group of speakers (a significant number also alumni) and exhibitors. Conference badge with "Alumni" designation and proper ID required.

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

After a long day, it's time to unwind and eat! Try one of the many restaurants surrounding the conference facility. Consider pairing up with another squad and eating together and continuing conversations from earlier in the day. See a listing of local restaurants and nighttime suggestions on page 34 or consult the Hotel Concierge.

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

9:30 pm - 11:00 pm *Movie - High School 9-1-1 Constellation B*

Attend a special screening of the *High School 9-1-1*. The movie chronicles a year in the life of the only ambulance service in Darien, Connecticut that just happens to be run by high school teenagers?! This one-of-a-kind organization services 20,000 residents 365 days a year, 24/7 and responds to over 1500 emergency calls annually. The foundation of Darien EMS-Post 53 is the empowerment of young people through adult and peer mentorship. "Posties" are taught a multitude of managerial, critical thinking and emergency medical skills, and then given the responsibility to implement what they have learned by actually running their own EMS organization. You can check out the trailer at www.HighSchool911.com/trailer.

10:00 pm - 2:00 am *Club NCEMSF Constellation A* *Casino Constellation E/F*

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!

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 to win the prizes. The casino will close at 1:00 am, but the music, by DJ Ju Lee, will continue until 2:00 am, and the room will remain open for an additional while as a place to congregate without disturbing other hotel guests. Please utilize this space. Light refreshments will also be served.

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

Schools in Attendance

*At the time of publication, the following 93 universities (1036 delegates) had registered:
(information below is from the NCEMSF Database, please see your RC to update your profile)*

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
Amherst College	12	MA	Massachusetts	FR	Non-Emergent Transport
Arizona State University	2	AZ	Central	BLS	QRS
Bard College	7	NY	New York	BLS	QRS
Binghamton University	33	NY	New York	ALS	Ambulance Transport
<i>Boston College</i>	8	MA	<i>Massachusetts</i>	<i>BLS</i>	<i>QRS</i>
Brandeis University	20	MA	Massachusetts	BLS	QRS
Brown University	5	RI	Northeast	ALS	Ambulance Transport
Bryn Mawr College	4	PA	Pennsylvania	Startup	
Carnegie Mellon University	9	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	14	OH	Midwest	BLS	Transport
Christiansburg Rescue	9	VA	Mid Atlantic	ALS	Ambulance Transport
<i>Clark University</i>	<i>12</i>	<i>MA</i>	<i>Massachusetts</i>	<i>FR</i>	<i>QRS</i>
Clarkson University	8	NY	New York	BLS	Non-Emergent Transport
Colorado College	6	CO	Central	BLS	QRS
<i>Columbia University</i>	<i>14</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Cornell University	14	NY	New York	BLS	Non-Emergent Transport
Dartmouth College	6	NH	Northern New England	BLS	QRS
<i>DeSales University</i>	<i>7</i>	<i>PA</i>	<i>Pennsylvania</i>	<i>BLS</i>	<i>QRS</i>
Drexel University	13	PA	Pennsylvania	BLS	QRS
Duke University	16	NC	Southeast	BLS	QRS
Eckerd College	14	FL	Southeast	FR	QRS
<i>Fordham University</i>	<i>12</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
<i>Georgetown University</i>	<i>12</i>	<i>DC</i>	<i>Mid Atlantic</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Harvard University	17	MA	Massachusetts	BLS	QRS
John Carroll University	5	OH	Midwest	BLS	QRS
Johns Hopkins University	8	MD	Mid Atlantic	BLS	QRS
Juniata College	5	PA	Pennsylvania	BLS	QRS
Lehigh University	8	PA	Pennsylvania	BLS	QRS
Loyola Marymount University	7	CA	West	BLS	QRS
<i>Massachusetts Institute of Technology</i>	<i>13</i>	<i>MA</i>	<i>Massachusetts</i>	<i>BLS</i>	<i>Ambulance Transport</i>
McMaster University	14	ON	Canada	BLS	Non-Emergent Transport
Mount Holyoke College	7	MA	Massachusetts	BLS	QRS
Muhlenberg College	13	PA	Pennsylvania	BLS	QRS
Northeastern University	6	MA	Massachusetts	Startup	
Pennsylvania State University	1	PA	Pennsylvania	BLS/ALS	Ambulance Transport
Radford University	4	VA	Mid-Atlantic	BLS	QRS
<i>Rensselaer Polytechnic Institute</i>	<i>10</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Rice University	6	TX	Central	ILS	QRS
Rochester Institute of Technology	24	NY	New York	BLS	Ambulance Transport
Rowan University	13	NJ	Northeast	BLS	Ambulance Transport
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	7	CA	West	BLS	QRS
Skidmore College	6	NY	New York	BLS	QRS
Stockton University	6	NJ	Northeast	BLS	QRS

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
SUNY Albany	12	NY	New York	BLS	Ambulance Transport
SUNY Canton	3	NY	New York	BLS	QRS
SUNY College at Cortland	10	NY	New York	BLS	QRS
SUNY Geneseo	6	NY	New York	BLS	QRS
<i>SUNY Oneonta</i>	<i>15</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>
SUNY Oswego	15	NY	New York	BLS	Ambulance Transport
SUNY Stony Brook	1	NY	New York	ALS	Ambulance Transport
Syracuse University	9	NY	New York	BLS	Ambulance Transport
Temple University	11	PA	Pennsylvania	BLS	QRS
Texas A&M University	19	TX	Central	ALS	Ambulance Transport
The College of New Jersey	4	NJ	Northeast	BLS	QRS
The George Washington University	36	DC	Mid Atlantic	BLS	Ambulance Transport
Towson University	1	MD	Mid Atlantic	Startup	
Tufts University	10	MA	Massachusetts	BLS	Non-Emergent Transport
<i>United States Merchant Marine Academy</i>	<i>1</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>
University of Arizona	5	AZ	Central	BLS	QRS
University of California-Los Angeles	7	CA	West	BLS	Ambulance Transport
University of Chicago	5	IL	North Central	FR	Event Standby
<i>University of Dayton</i>	<i>11</i>	<i>OH</i>	<i>Midwest</i>	<i>BLS</i>	<i>Ambulance Transport</i>
University of Delaware	24	DE	Mid Atlantic	BLS	Ambulance Transport
<i>University of Florida</i>	<i>10</i>	<i>FL</i>	<i>Southeast</i>	<i>BLS</i>	<i>QRS</i>
University of Il. at Urbana-Champaign	20	IL	North Central	BLS	Event Standby
University of Iowa	5	IA	North Central	EDU	Education
University of Massachusetts Amherst	24	MA	Massachusetts	BLS	Event Standby
<i>University of Massachusetts Lowell</i>	<i>11</i>	<i>MA</i>	<i>Massachusetts</i>	<i>BLS</i>	<i>QRS</i>
University of New England	10	ME	Northern New England	BLS	QRS
University of New Hampshire	4	NH	Northern New England	ALS	Ambulance Transport
University of Pennsylvania	26	PA	Pennsylvania	BLS	QRS
<i>University of Pittsburgh</i>	<i>25</i>	<i>PA</i>	<i>Pennsylvania</i>	<i>EDU</i>	<i>Event Standby</i>
University of Rhode Island	44	RI	Northeast	BLS	Ambulance Transport
University of Richmond	6	VA	Mid Atlantic	BLS	QRS
<i>University of Rochester</i>	<i>12</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>
University of the West Indies	8		Rest of World	ILS	Ambulance Transport
<i>University of Vermont</i>	<i>9</i>	<i>VT</i>	<i>Northern New England</i>	<i>ALS</i>	<i>Ambulance Transport</i>
University of Western Ontario	4	ON	Canada	FR	QRS
Ursinus College	7	PA	Pennsylvania	BLS	QRS
Utica College	7	NY	New York	BLS	QRS
<i>Vassar College</i>	<i>10</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Non-Emergent Transport</i>
Vermont Technical College	5	VT	Northern New England	BLS	QRS
Villanova University	20	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Polytechnic Institute	17	VA	Mid Atlantic	BLS/ALS	Ambulance Transport
Wake Forest University	21	NC	Southeast	BLS	QRS
Washington University - St. Louis	8	MO	Central	BLS	QRS
West Chester University of PA	4	PA	Pennsylvania	BLS	QRS
Western Carolina University	4	NC	Southeast	BLS	Ambulance Transport
Worcester Polytechnic Institute	9	MA	Massachusetts	FR	QRS
Yale University	4	CT	Northeast	BLS	Event Standby

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

Conference Schedule - Sunday, February 26, 2017

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

Ballroom Foyer

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

Debriefing with Good Judgement

Annapolis

Joseph Lalor, CHSOS

This lecture is given to all skills evaluators and young educators at Stony Brook Volunteer Ambulance Corps (SBVAC) beginning in the Fall of 2014. It's implementation has allowed the corps to innovate their specific style of EMS education. This lecture will help guide collegiate EMS leaders to develop evidence based training practices at their agency. Derived from the advocacy and inquiry model of debriefing, this Q&A style discussion will engage the audience to challenge their preconceived notions on what education and debriefing means to them in collegiate EMS. From probie to field training officer, this lecture will help provide a framework to adequately debrief anything from simple training cases to the call-gone-awry.

Critical Care Transport: Building Your EMS Career

Chesapeake A

Jamie Eastman, RN, CFRN, CEN, NRP, FP-C, CCP-C, C-NPT

Ever want to fly as a paramedic or nurse? This presentation will explain the different types of transport teams of air and ground in both the civilian and military sectors. You will learn what is needed to become a transport team member according to national regulation and how to shape your future to fit your life goals.

The Role of Certified Athletic Trainers in Medical Emergencies *Columbia*

Tyler Melnicove, ATC

At nearly every competitive athletic event, Certified Athletic Trainers (ATCs) are on the sidelines to provide the initial and immediate care to injured athletes on the field. Often times, these injuries can be evaluated, diagnosed and treated on site by the ATCs without the need or intervention of EMS. But what happens when the injury or illness is severe enough to require the activation of EMS? This lecture will discuss the education and training of ATCs, their scope of practice, pre-incident planning and medical "time-outs," and how both EMS personnel and ATCs can work together in an emergent situation.

EMS Leadership and Management 101

Constellation C

Nicholas Witczak

From the incident scene to the meeting table, leadership and management is vital to the success of every EMS organization. This class 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.

Innovations in Emergency Care Policy

Constellation D

Gabe Gan

The drive towards accountable care and value-based payments has opened new opportunities for innovative policies and delivery models in healthcare. This lecture will discuss how the emergency care system is responding to improve the patient experience, advance population health, and reduce costs through new programs, services, and collaborations. We will review relevant health policy concepts, examine current day examples, and forecast what the future emergency care system may look like.

Pediatrics Review: 5 Case Studies

Constellation E

Patrick Finnegan

Horses more than zebras, but always keeping alert to situations that are more common in children for that once incident we don't always expect. This lecture will review cases involving croup, acute asthma exacerbation, meningitis, trauma, and apparent life-threatening events from arrival to disposition in the emergency department.

A Look Inside Our Medical Diagnostic Equipment

Constellation F

Michael Juby, MS

We use these devices on every call, but how do they work? In this lecture, the inner workings of pulse oximetry, electrocardiogram, and automatic blood pressure cuffs will be discussed. This lecture is for anyone (BLS, ALS, and any level above) who is interested in understanding the fundamental principles of how these commonly used devices work. This knowledge can be used to properly interpret accurate reading, troubleshoot the devices when they are not working, and understand the origins of erroneous measurements in order to improve patient care.

So You're Training Officer, Now What?

Frederick

Emma Schneider, RN

Training is a continual struggle for many smaller, especially collegiate squads where members may not necessarily have as much EMS experience as larger first aid squads or fire departments. This session will help training officers and squad leaders look at ways to overcome the challenges of training a collegiate squad with varying levels of experience, limited budget, and many other challenges.

Conference Schedule - Sunday, February 26, 2017

Skills Lab: Advanced Airway

Conway

Robert Henderson, MS, NRP, NCEE, Crystal Richmond, NRP, and Robert Muller, NRP

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

Skills Lab: Experience Operation Bushmaster Combat Emergency Medical Skills

President

Aaron Saguil, MD, MPH, FAAFP

Deliberate practice is the key to advancing in any learnable skill, whether music performance, an academic discipline, or medical care. Medical simulation allows for current and future healthcare providers to deliberately practice the science and art of medicine in a low stake simulated environment before taking their care to the patient bedside. The Uniformed Services University likewise employs simulation to teach medical students how to thrive not just in stateside medical environments, but also in those overseas theaters ravaged by manmade and natural disasters. Students routinely practice combat trauma lanes where they assess, treat, and manage simulated casualties from point of injury to evacuation. This skills workshop will bring participants into the action, allowing them to practice their skills with live person and mannequin simulated casualties, applying tourniquets, addressing penetrating thoracic trauma, traumatic brain injury and blunt abdominal injuries. 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.

Roundtable: Administrator/Advisor/Medical Director

Lombard

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.

Roundtable: Campus EMS Administrative Challenges

Calvert

Shawn Miner and Raymond Lovell, EMT-C

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.

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

Healthy Campus and Potential Campus EMS Roles

Annapolis

Mark Milliron, MD, MPA, MHS

Healthy Campus 2020 provides health outcomes objectives for improving the health of students, staff, and faculty on campuses nationwide. Based on Healthy People 2020, but focusing on issues relevant to college health, a key objective is to increase academic success through good health. For students, topics and objectives reflect the major public health concerns impacting college students. For faculty and staff, objectives mirror Healthy People 2020. Healthy Campus looks to create an environment that promotes improvement in health outcomes by identifying health improvement priority issues, increasing awareness, identifying measurable goals and objectives, and engaging stakeholders. The vision of Healthy Campus is to have campus communities in which all members live long, healthy lives. Campus communities are a microcosm of their larger surrounding communities and often have their own health care, public safety, transportation, employment, entertainment, recreation, dining, housing, and other aspects of culture and life. Campus EMS has an opportunity to affect campus health. An emerging model in EMS is community paramedicine where EMS connects the population to health resources. How can campus EMS become a collaborator in Healthy Campus initiatives and contribute to the improvement of campus health?

Better Leadership Through Better Followership

Baltimore

Eric Garrison

Do you feel that there is a disconnect between your leaders and the rest of your crew? Does everyone recognize who is in charge and when? Are you finding that certain duties are executed poorly or ignored altogether? A positive starting point to remedy these situations is through good leadership and followership. Also in this discussion, Eric will talk about how to be a good mentor and the importance of building future leaders. And time permitting, Eric will share with you how to incorporate your former leaders back into your crew as influential members and followers. As he does on your campuses or at our conferences, Eric welcomes your questions throughout his program and looks forward to helping you all become the strongest leaders possible.

Conference Schedule - Sunday, February 26, 2017

Chest Injuries

Chesapeake A

Jamie Eastman, RN, CFRN, CEN, NRP, FP-C, CCP-C, C-NPT

Chest trauma affects a large portion of our trauma patients from MVC, to skiing accidents, to GSW. Knowing how to recognize and treat the "deadly dozen" is crucial for EMS and trauma center personnel. Learn the basics of chest injuries, how to treat them in the field, and how a trauma center can improve long term recovery.

Current Trends in the Management of the Spinal Injured Athlete

Columbia

Jennifer Kalash, ATC and Tyler Melnicove, ATC

Collegiate EMS providers commonly respond to calls for injured student athletes while participating in NCAA, intramural, or club sports. Many of these calls are for athletes with suspected spinal injuries. These injuries are frequently involving patients wearing protective equipment. First responders may be hesitant and uncertain when making treatment and transport decisions for potentially life threatening injuries. Current research suggests full spinal immobilization is not effective for the management of spinal injuries. In response, EMS agencies have changed their spinal immobilization and stretcher transfer protocols. However, these protocols do not account for the protective equipment worn by athletes. This presentation will address these conflicting protocols, demonstrate equipment removal techniques, and provide recommendations on how to integrate new EMS protocols into sports medicine allowing for fluency between all medical professionals.

YouTube Trauma: Lessons Learned from Idiots

Constellation C

Charles Warner, RN, PHRN, NRP, CFRN

Let's take a look at our favorite stupid stunts from YouTube and evaluate the trauma those homemade movie stars received. We will learn from their poor judgment as we watch videos such as jumping off a roof onto a trampoline. Explore the ALS and BLS trauma care for various injury patterns. Updated from 2016.

Life & Death in Social Media... or Because of It?

Constellation D

Benjamin Abo, DO, EMT-P, FAWM

OMG, we all will be ROFL after this in depth discussion about technology and social media and its role in EMS. You'll be dropping emoticons of surprise when you hear some of the things EMS providers and even patients have done or posted. That being said, social media can be an extremely powerful tool to help promote EMS or even save lives. In this talk we will dive into the pros and cons of social media and how to use it to our advantage not just for our image but also to save lives! TTFN!

Sudden Cardiac Arrest in Student Athletes

Constellation E

Scott Spangler, NRP, FP-C

According to the National Collegiate Athletic Association, sudden cardiac arrest (SCA) in student athletes continues to claim the lives of 1 in 40,000 student athletes each year. The average EMS response is 8-10 minutes nationwide, while chances of survival decrease by about 10% each minute. While cardiac arrest management remains consistent for most causes, join us as we discuss the unique impact that SCA presents in the student athlete population and ways collegiate EMS can impact outcomes.

The Danger You Can't See

Constellation F

Zachary Matuzsan, DO

People are dirty. When you take thousands of 18 to 22 year old students and have them live in tiny, cramped dorm rooms, someone is bound to get sick. And sometimes really sick. In this talk, we will review some of the most dangerous infectious diseases found on college campuses. What makes certain bacteria and viruses so dangerous? What are those red-flag signs and symptoms to look out for when responding to a call? How do we protect both ourselves and our campuses? Come enjoy an hour on infectious disease that will have you dousing yourself in hand sanitizer after every call!

Sepsis, Hot, and Cold

Frederick

Ross Feinman, RN, CEN, EMT-P

Often A silent killer, sepsis is on the rise as a leading cause of mortality. Contrary to popular belief, sepsis is not a disease process isolated to elderly or otherwise ill. Sepsis "Hot and Cold" will teach the college EMS provider to recognize signs and symptoms of sepsis using the latest research and diagnosis modalities such as ETCO2 and venous lactate levels. This lecture will engage will use real life case studies to engage participants in active discussion.

Skills Lab: Megacode

Conway

Robert Henderson, MS, NRP, NCEE, Crystal Richmond, NRP, and Robert F Muller, NRP

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

Conference Schedule - Sunday, February 26, 2017

**Skills Lab: Experience Operation Bushmaster
Combat Emergency Medical Skills**
Aaron Saguil, MD, MPH, FAAFP

President

Roundtable: Fundraising and Financing

Lombard

Matthew Ricci, MPA, Gabe Gan, David Afienko, NCEMSF Regional Coordinators

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

Roundtable: Emergency Management & Disaster Preparedness

Calvert

*Eric Pohl, NRP, 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.

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

Approach to the Transgender Patient

Annapolis

Amanda Tracy and Trevor Beard, RIEMT-C

As an identity-based realm of diversity, lesbian, gay, bisexual and transgender(LGBT) issues and concerns have risen to the surface in the last couple of decades within higher education and particularly within student affairs. While numerous efforts have been made - commendably - to provide support to LBG populations, many universities have struggled to engage transpersons on numerous issues, including housing, restroom access, and medical care. In this 50 minute primer, we will provide a brief summary of the special concerns of the trans* community, and ways in which providers can more effectively engage and understand their medical needs, as well as tips in interviewing and treating trans* patients in a pre-hospital setting.

**NYC Office of Emergency Management Chelsea Bombing:
A Case Study**

Chesapeake A

Robert Cohen, MPA

At 8:31 PM on Saturday, September 17, the New York City 9-1-1 center began receiving reports of a large explosion in the area of East 23rd Street and 7th Avenue. Police, fire, and EMS resources were en route immediately, and confirmed an explosion in front of a residential building. Multiple patients presented in the area and damage was reported to several nearby structures. The City and regional response escalated quickly, involving numerous law enforcement and public safety agencies throughout the next 40 hours until the suspect was apprehended. This presentation will walk through the Chelsea IED response step-by-step, and identify lessons learned and important decisions that incident commanders and emergency managers had to make. Collegiate EMS agency staff and leaders will learn and discuss concepts in scene safety, multi-patient transport, fire/EMS resource allocation, investigation support, and local resident support.

Caring People, Quality Service... More Than Just a Slogan

Columbia

Jeffrey Cox, FP-C, NRP

The time has come for EMS to start looking at their patient as a customer. EMS funding, respect, professionalism and department survival can all depend upon this change in perspective. Health Care as a whole began this switch a few years ago, educating their employees and changing the culture of care. In addition, the EMS provider will quickly burn-out if they don't realize patients are people too, and an empathetic connection between the caregiver and the patient is value-added benefit for the patient, the provider and the EMS service as a whole. This presentation will describe the change in perception, reasons to change, and give ideas to help the EMS provider not only in their own care, but in their department's care for the population they serve.

YouTube Trauma: Part 2. "Watch This!"

Constellation C

Charles Warner, PHRN, RN, NRP, CFRN

Why be famous when you can be on YouTube showcasing poor judgment. Grab a second serving of trauma as we learn about injuries by watching those stupid stunts gone wrong in YouTube videos. Evaluate the injuries they received and the review the appropriate BLS and ALS care for you to provide in between fits of laughter. Take my word for it, jumping from your roof into your pool never goes well when beer is involved.

BVMs SGAs and LMAs: The Overflowing Airway Toolkit

Constellation D

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

Airway management is a practice essential to the delivery of emergency medical services. BLS and ALS providers must remain aware of current trends and apply them to patients at risk for airway compromise. Hop about and tie yourself to a commercially available tube holder for a wild ride through the recent airway literature. Engage in case based discussions designed to illustrate cutting edge airway management concepts.

Conference Schedule - Sunday, February 26, 2017

Making Sense of EKGs

Constellation E

Yoni Litwok, MD

Your patient is having crushing chest pain, now what? I wish I knew what to make of an EKG. What can an EKG tell you about your patient. Is your patient having a heart attack or arrhythmia? In this interactive lecture, we will review how the heart works, discuss interpretation of a normal EKG, and show how EKGs correlate with cardiac disease. Learn the basics of EKG interpretation so that you can shine on your next cardiac call.

Marathon And Exertional Event Emergencies

Constellation F

Michael Hilton, MD, MPH, FAEMS

Marathons and extreme races are increasingly popular recreational events. These events pose unique challenges and providers should expect to care for injuries and illnesses rarely seen in other settings. This session will teach you about what to expect when caring for patients at these events or when preparing to participate in these events yourself. The speaker is an EMS Physician and EMS Medical Director with years of experience in medical special event planning and as a medical provider for the Pittsburgh EQT Race, Pittsburgh Marathon, NYC Half Marathon and NYC Marathon.

Responding to the Zombie Epidemic: EMS Preparedness for Communicable Diseases

Frederick

Sean Britton, NRP, CPH, CEM

Based within the scenario of a zombie apocalypse, this session will explore how EMS practitioners can prepare for and respond to communicable disease outbreaks. This session will review the roles of both emergency medical services and public health within the disaster management cycle. This session will provide both EMS management and front-line practitioners with an understanding of the principles of communicable disease transmission and control.

Skills Lab: Childbirth Concepts and Scenarios

Conway

*Alethea Granberg, MSM, EMT-P, Samantha Sawan, EMT-P,
Ji Xiao, MPH, and Katarina Jones*

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

Skills Lab: Experience Operation Bushmaster Combat Emergency Medical Skills

President

Aaron Saguil, MD, MPH, FAAFP

Roundtable: Training

Calvert

Zachary Matuzsan, DO, Tom Renner, and Bruce Graham, NCEMSF Regional Coordinators

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

Roundtable: Startup

Lombard

Joseph M. Grover, MD, and Dan McConnell, NCEMSF Startup Coordinators

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

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

The Physiology of Emergency Response

Annapolis

Evan Kuhl, MD

EMS personnel are frequently placed in high-stress situations where they are expected to assess a variety of situations, solve problems rapidly, communicate efficiently, and provide life-saving treatment. Providers in high-stress interactions are more likely to incorrectly reconstruct events, mistake medication dosing, and even report procedures or events which never actually happened. Despite this, there is little instruction in EMT and paramedic courses on how the stress response affects decision making. This lecture provides an overview of the physiology of emergency response and how it impacts memory, time perception, and decision making. Participants will learn how to better prepare themselves for stressful situations, and how to manage their own responses. The lecture will discuss stress inoculation training including Mass Casualty simulations and high-fidelity simulation labs. The scope of this lecture will reach beyond collegiate EMS to future careers.

Conference Schedule - Sunday, February 26, 2017

Emergency Care of Anaphylaxis

Chesapeake A

Jacob Miller, MS, FNP, ACNP, ACCNS, CCRN, CFRN, EMT-P, FP-C

Severe allergic reactions affect up to 5% of the population, and can occur in any setting, including the college campus. In addition to reviewing current evidence-based treatments for anaphylaxis, this presentation will review the epidemiology and pathophysiology of anaphylactic reactions to allow both BLS and ALS providers a better understanding of the rationales for these emergency treatment strategies.

Scene Safety in the Higher Education Environment

Columbia

Daniel Maas, CEM

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.

WhaDidYaSay??

Constellation C

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.

Critical Event Debriefing: Lessons from the Operating Room

Constellation D

Alexander Arriaga, MD, MPH, ScD

Debriefing following critical events is a practice well characterized in medicine, with significant evidence illustrating its ability to reduce errors, increase patient safety, and optimize learning. In spite of the many available debriefing programs and knowledge of their importance, only a fraction of crisis events are followed by a debriefing session as reported at a wide range of hospitals. Lessons from the operating room will be reviewed, which have wide applicability to EMS and pre-hospital organizations. The gap between existing evidence-based principles and efforts for implementation, as well as ideas for overcoming these gaps, will be discussed.

The Art of Transferring Care: Effective Strategies for Giving Report

Constellation E

Alexander Kurtzman

In pre-hospital medicine, almost every patient contact includes some form of transfer of care report. Whether between BLS and ALS or EMS and hospital staff, this report provides a vital link between care in the field and a patient's hospital course. Effective communication is important not only for continuity of care, but also to avoid potential malpractice. Attendees will learn to provide clear, concise and high content patient handoff reports. Special attention will be given to specific patient categories including trauma, stroke and cardiac arrest. In addition, the role of patient advocacy in the transfer of care report will be discussed.

Maryland State Police Aviation Command: Multi-Mission Medics

Constellation F

William Jansen

The Maryland State Police Aviation Command is a public safety organization. Its mission is to protect and improve the quality of life through aeromedical transport, airborne law enforcement, search and rescue, homeland security and disaster assessment services to citizens of the State of Maryland and its neighbors 24 hours a day. This lecture will encompass an overview of Maryland's world renowned medevac system and how to pursue a career within the ranks of the Maryland State Police Aviation Command.

Establishing Your Collegiate EMS Agency as an AHA Training Organization

Frederick

Richard Shok, RN, EMS-I, NRP

This program will introduce the process of NCEMSF member agencies delivering AHA Instructor and Provider courses to their campus communities directly. Learn how to affiliate with an AHA Training Center and discuss the benefits of aligning with a training center willing to help meet your needs.

Conference Schedule - Sunday, February 26, 2017

Skills Lab: Childbirth Concepts and Scenarios

Conway

*Alethea Granberg, MSM, EMT-P, Samantha Sawan, EMT-P,
Ji Xiao, MPH, and Katarina Jones*

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

Skills Lab: Experience Operation Bushmaster

President

Combat Emergency Medical Skills

Aaron Saguil, MD, MPH, FAAFP

Physio-Control EMS Skills Classic Review

Baltimore

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.

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

Constellation A/B

Introduction

George J. Koenig, Jr, DO, NCEMSF President

EMS Applies To Everything—Even Reality Television

Tim Warren, CEO Boomerang Productions Media, Inc.

Tim Warren was a member of Darien EMS - Post 53 in Connecticut from 1982 to 1985 rising to the level of Emergency Medical Technician, Crew Chief and Ambulance Driver all before he turned 17 years old. While Warren did not pursue a career in the medical field, he credits his experience in EMS and serving as an EMT for his success as a television and film director and producer as well as the owner of his own production company. Warren's keynote address will recount his (funny and not so funny) first hand experiences show-running network series like *Extreme Makeover: Home Edition* and *Bar Rescue* along with directing, producing and editing the documentary feature *High School 9-1-1* to illustrate how the skills he learned three decades ago on the ambulance not only made these projects successful but also helped him avoid multiple disasters.

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

Constellation A/B

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

Calling all Photographers!

NCEMSF wants your photos from the conference. You will receive a post-conference email with instructions on uploading pictures to Flickr.

PARTNER WITH REMOTE MEDICAL INTERNATIONAL: HELP YOUR EMS STUDENTS PRACTICE GREAT MEDICINE IN CHALLENGING PLACES

Why We Are Different

HYBRID COURSES

In addition to traditional onsite training, we offer online/onsite hybrid courses to help students and organizations save time and money.

REMOTE & WILDERNESS MEDICINE

Our courses not only cover skills needed to pass national and state certification tests, but they also include instruction on wilderness or remote medicine. This allows students to learn how to assess and treat patients when definitive care is hours or days away.

ACTIVELY PRACTICING INSTRUCTORS

Our instructors come from diverse backgrounds and are required to be active medical practitioners to better teach current best practices.

CUSTOMIZABLE COURSES

Based on your requirements, we can customize your class with specific and relevant modules, such as mass casualty & triage, altitude training, maritime medicine, or snakebite management.

Let's Talk

To learn more about how we can partner with you to provide an effective, customized medical training program for your students, call +1 (800) 597-4911 or email us at info@remotemedical.com.

We look forward to hearing from you.



Our Courses

Remote Medical International has trained and certified over 17,000 students worldwide. Our customizable programs include:

- Wilderness First Responder
- Hybrid Wilderness First Responder
- Wilderness First Responder Recertification
- Remote First Responder
- Remote Emergency Medical Technician
- Hybrid Emergency Medical Technician
- Hybrid Advanced Emergency Medical Technician
- Remote Medicine Upgrade & Recertification for EMT
- Remote Medicine for the Advanced Provider

www.remotemedical.com

Continuing Education (CE) 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 2017 conference (additional 6 hours available for each pre-conference sessions—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

- New at the 2017 Conference: record your session attendance via text message (SMS). To register for SMS attendance tracking, text your 6-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'll 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, 2017 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, 2017 applies to manual attendance tracking.

Baltimore, MD - Welcome to Charm City!

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

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

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

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

Getting Around Baltimore / Important Contact Information

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

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

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

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

Transportation:

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

Host Facility:

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

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, the **two Harborplace foodcourts** (either in The Light Street Pavilion or The Gallery) or the hotel restaurant - Bistro 300. There are plenty of options to fit any appetite and budget - partial listing below.

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

Inner Harbor

www.harborplace.com

Bubba Gump Shrimp Co.
(410) 244-0838

Cheesecake Factory
(410) 234-3990

Five Guys Burgers and Fries
(410) 244-7175

Hooter's of Baltimore
(410) 244-0367

Jonny Rockets
(410) 347-5757

M&S Grill
(410) 547-9333

Noodles & Company
(443) 220-0060

Shake Shack
400 East Pratt Street
(443) 973-3630

Tir Na Nog Restaurant
(410) 483-8968

Uno Chicago Grill
(410) 625-5900

Powerplant Live!

www.powerplantlive.com
Premier dining and
entertainment destination

Restaurant Row
Aggio
(410) 528-0200

Leinenkugel's Beer Garden
(443) 909-7578

Luckie's Tavern
(410) 223-1105

MEX
(410) 528-0128

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

Baltimore Comedy Factory
Comedy Club
(410) 547-7798

Charm City Clue Room
(443) 970-6678

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

Mosaic - Dance Club
(443) 468-5308

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

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

Tin Roof
Live Music
(443) 873-8137

Best of Baltimore

Restaurant: *Bottega*
BBQ: *Smoke*
Bar Food: *Lobo*
Beer Bar: *Das Bier Haus*
Breakfast: *Modern Cook Shop*
Burger: *Of Love & Regret*
Cheap: *Farm to Face Falafel*
Chinese: *Hunan Taste*
Crab Cake: *Koco's Pub*
Falafel: *Yomna's*
Farm to Table: *Woodberry Kitchen*
Food Truck: *Well Crafted Pizza*
Indian: *Café Spice*
Italian: *Sotto Sopra*
Late-Night: *Jong Kak*
Mexican: *Tortilleria Sinaloa*
Middle Eastern: *Cazbar*
Pizza: *Verde*
Reason to Drive Up I-95:
One Eleven Main
Place to Impress NYC
Friends: *Salt*
Sandwich: *Part & Labor*
Seafood: *The Local Oyster*
Taco: *Riptide by the Bay*
Taco: *Holy Frijoles*
Thai: *My Thai*
Vegetarian: *Liquid Earth*
Vietnamese: *Pho Dat Thanh*

Pizza Delivery

Home Slyce - (443) 501-4000
Ultimate - (410) 457-7234

Map of the Inner Harbor



Coming Early? Staying Late?

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

EMS Points of Interest:

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

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

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

Brief History of Baltimore City Fire Department:

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

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

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

Historical Sites:

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

Baltimore Civil War Museum - The restored President Street Station, built in 1849, was first a stop on the Underground Railroad. On April 19, 1861 it became the site of the first casualties of the Civil War. Also see the **U.S.S. Constellation** - the last surviving ship of the Civil War, and the last all-sail ship built by the U.S. Navy - located at Pier 1 in the Inner Harbor. 601 President St; (443) 220-0290

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

Museums:

Baltimore Museum of Art - The museum holds the second largest publicly displayed collection of Andy Warhol's work. Other artists whose works on display include van Gogh, Renoir, Matisse and Picasso - to name a few. 10 Art Museum Dr; (443) 573-1700

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

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

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

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

Presenter Bios

Joseph Aabye

Joe has been a member of SUNY Cortland EMS since fall of 2014 and has held the titles of Lt. of Personnel and Assistant Chief as well as being a Crew Chief. Joe hopes to take his experience gained from collegiate EMS and apply it to furthering his medical education as a physician.

Benjamin Abo, DO, EMT-P, FAWM

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. He completed his undergraduate studies at University of Florida, and then completed medical school at University of Pittsburgh. 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, and looks forward to NCEMSF each and every year.

Peter Adams, CCRC

Pete Adams is a Clinical Research Coordinator at the Multidisciplinary Acute Care Research Organization (MACRO) at the University of Pittsburgh. Pete is experienced in protocol design, implementation, and execution with a focus on Exception from Informed Consent research in Trauma and Emergency Medicine. Along with managing several multi-center studies, Pete manages the MACRO Clinical Research Associate Intern Program. Pete started in EMS in 2008 and volunteers with Foxwall EMS in Pittsburgh, where he is a Crew Chief and the Crew Representative on the Board of Directors. He graduated from the University of Pittsburgh with degrees in Neuroscience and Health Service in 2011 and 2016, respectively, and obtained his Certified Clinical Research Coordinator credential in 2013.

Carl Alsup, MD

Carl Alsup completed his emergency medicine residency at SUNY Downstate / Kings County. He then completed an ultrasound fellowship at Thomas Jefferson University. He is a practicing community ED physician and ultrasound director.

Tim Anastas, MS

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

Alexander Arriaga, MD, MPH, ScD

Alex Arriaga is an Assistant Professor at the University of Pennsylvania and Anesthesiologist for the University of Pennsylvania Health System. He completed his undergraduate studies from Columbia University in 2002, where he served as a member and then Director of the Columbia University Emergency Medical Service/CAVA. He graduated from medical school with Honors in Research from Cornell University. He completed two years of categorical general surgery residency at Thomas Jefferson University Hospital. He has Master of Public Health and Doctor of Science degrees from the Harvard University. He completed his clinical residency in anesthesiology at the Brigham and Women's Hospital. He has

presented locally and nationally. He has authored several book chapters, and he has over 20 peer-reviewed publications, including a first-author research article in the New England Journal of Medicine. His academic interests include health services research in patient safety and quality improvement with a focus on the fields of surgery and anesthesiology.

Raymond Bahr, MD, FACC

Retired from St. Agnes Healthcare, Coronary Care Unit and Founder, Society of Cardiovascular Patient Care.

Kimberly Baldino, MD

Participated in volunteer EMS during college in New Jersey. Went on to medical school at UMDNJ Robert Wood Johnson, then completed residency in Emergency Medicine in Morristown, NJ. Finished an EMS Fellowship at Carolinas Medical Center in Charlotte, NC and now hold the position of EMS Director for Carteret Health Care in Morehead City, NC.

Guy Barber, MPH, EMT-P

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

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.

Trevor Beard, RIEMT-C

Trevor Beard is an alumni of Roger Williams University where he earned a Bachelors of Science in Chemistry. Trevor became a life member of the Bristol Fire Department Division of Emergency Medical Services in March of 2015 with more than 15 years of service to the community. Since his graduation in 2002, Trevor has served as employee of Roger Williams University Department of Public Safety, where he has served as an EMT, a Crime Prevention Officer, a Emergency Medical Services Coordinator, and has been active in bystander intervention education efforts. Trevor is a founding member of TGI Network of Rhode Island which is the only statewide organization providing support, advocacy, and education for the trans* community in RI and surrounding areas.

Kelli Joan Bennett

Kelli Joan Bennett is an American actress, producer, writer, entrepreneur and advocate of creative thinking. She produced and starred in the film, *Collusions*, a cerebral crime mystery with Tom Everett Scott and Tembi Locke. She was founding partner of Scriptapalooza, Inc. a company that has launched and continues to launch countless writers' careers. Her companies have been featured in Entrepreneur Business Start-Ups, Vanity Fair, Entertainment Weekly, and Variety. She graduated with a degree in Theatre Arts from California State University, Fullerton. Under her new banner, Think Outside The Box Inside The Box Media, she has three feature films in development. Up next she will produce the indie feature film *Death Over 3 Bottles of Wine*, which she wrote and will star in. *High School 9-1-1* is her first documentary as producer and editor.

Richard Benson, MD

Dr. Benson is currently an EMS Fellow at the University of North Carolina in Chapel Hill. Richard is a proud Alumni of Meharry Medical College and completed his Emergency Medicine Residency at the University of Chicago. While in Chicago, Richard volunteered with the Chicago South-Region XI Fire and EMS crews, as well as, spent countless hours flying

Presenter Bios

emergency transports with the University of Chicago Aeromedical Network.

Brian Brauer, EdD

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

Sean Britton, NRP, CPH, CEM

Sean Britton, NRP, CPH, CEM is a paramedic with Superior Ambulance Service in Binghamton, New York. Britton holds faculty appointments as an adjunct instructor of criminal justice and emergency services at SUNY Broome Community College and an adjunct assistant professor of epidemiology and community health at New York Medical College. Britton is a research associate with the Prehospital Care Research Forum at UCLA and has co-authored numerous research reviews within JEMS Magazine. He currently serves on the board of directors of the National Association of Emergency Medical Technicians. Britton is a co-author of NAEMT's All Hazards Disaster Response course. Britton has previously held positions as director of public health for Broome County Government and program coordinator of emergency and trauma services at UHS Hospitals. Britton holds a Master of Public Administration degree from Binghamton University. He began his EMS career at Harpur's Ferry Student Volunteer Ambulance Service at Binghamton University.

David Burt, MD, FACC

Associate Professor of Emergency Medicine, University of Virginia Health System

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 also continues to practice as a New York State Advanced Emergency Medical Technician-Critical Care and has served in EMS for more than 20 years.

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 now works for the New York City Office of Emergency Management (NYC OEM) in the Training, Exercises,

and Evaluation Division, and serves as a Public Health and Medical Services Coordinator for NYC OEM during large emergencies, including winter storms, building and IED explosions, a Legionnaires' disease outbreak, Zika virus, and heat wave power outages. He has designed and conducted numerous trainings, exercises, and after-action report processes, and regularly presents on local government and non-profit agency roles in emergency management.

Jeffrey Cox, FP-C, NRP

Jeff began his EMS career in 1987 in the rural mountains of Vermont while participating in with the Norwich University Ambulance and Rescue Squad. Jeff has worked for numerous fire department EMS services until settling in Sussex County after graduating from the George Washington University EMS Degree program in 1992. Jeff has worked for Sussex County EMS since 1992 as a Paramedic, Paramedic Field Supervisor, Paramedic Field Training Officer, Field Training Supervisor, Education Coordinator, Professional Standards Division Manager and currently holds the position of Deputy Director of Administration. Sussex County EMS is a progressive 3rd service government all ALS Career chase truck service with over 25,000 responses covering nearly 1,000 square miles. Teaching EMS to others has been one of Jeff's passions throughout the years, helping to share the knowledge he gained with others.

Cameron Decker, MD, LP

Cameron Decker, MD, LP is a graduate of Rice University and Baylor College of Medicine. He completed his residency in Emergency Medicine and fellowship in Emergency Medical Services at Baylor College of Medicine. Dr. Decker is a board certified emergency physician, 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 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.

Jamie Eastman, RN, CFRN, CEN, NRP, FP-C, CCP-C, C-NPT

Jamie is recent graduate of University of Vermont where he was a crew chief trainer and Training Officer at UVM Rescue. Currently he works as a nurse on the Lung Rescue/ECMO ICU at R Adams Cowley Shock Trauma Center in Baltimore. Jamie is also a Staff Sergeant in the Army National Guard where he serves as a Flight Paramedic.

Amy Eisenhauer

Amy Eisenhauer 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. Most notably, 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.

Ross Feinman, RN, CEN, EMT-P

With nearly a decade of emergency medical experience. Ross's career has spanned from dirt roads to hospital wards. As a full time emergency room nurse and paramedic, Ross has served as a Flight Nurse, Emergency Nurse, and 911 Paramedic. As an active Harpur's Ferry Student Volunteer Ambulance Service Alumni, Ross proudly continues to educate young EMS providers. Ross previously spoke at NCEMSF 2015.

Daniel Feldman

Presenter Bios

Daniel Feldman is currently working towards his Master in Public Health at Boston University and is an EMS Graduate Assistant for Boston University Emergency Medical Services (BUEMS). As an undergraduate Daniel went to The George Washington University and was an active member of their ambulance squad, EMeRG, throughout his time in Washington, D.C. Since becoming an EMT in 2010, Daniel has been involved in a variety of areas of emergency medicine and emergency medicine education.

Patrick Finnegan

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

Mark Forgues, MEd

Mark Forgues, MEd, EMT-P, has more than 30 years of EMS experience in municipal, hospital-based, volunteer, private, fixed-wing, collegiate and fire-based EMS agencies. He is director of Medical Resources Group, LLC, an education and consulting firm; technical director of the Massachusetts Institute of Technology Emergency Medical Services; and is a per diem paramedic with Wayland (MA) Fire Department Advanced Life Support. He is also a national and internationally known speaker.

Adam Fox, DO, FACS

Dr Adam 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 and 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.

Kathy Francis, MS, CEM, MDPEMP

Kathy Francis currently serves as the Frederick Community College Executive Director of Emergency Management Programs, adjunct faculty, and leads the Mid-Atlantic Center for Emergency Management (MACEM). Kathy Francis leads the MACEM to develop and deliver specialty course-work in emergency management and serves as the Post-Secondary Affiliate for Homeland Security and Emergency Preparedness for the Maryland State Department of Education Career and Technology Programs. In March of 2016, Kathy earned a Certificate of Completion in Crisis Leadership in Higher Education from the Harvard University, John F. Kennedy School of Government. She also earned a MS in Management with the Johns Hopkins University Police Executive Leadership program in May of 2012. Ms. Francis served with the Frederick County Government in the Division of Emergency Management. She has extensive experience in all phases of emergency management, including the execution of large mitigation projects, continuity of operations planning, emergency operations planning, hospital evacuation planning, exercise design and evaluation, and response and recovery operations

during four Presidentially-declared disasters. She is well known for her work to prepare vulnerable populations for emergency or disaster. Ms. Francis is an International Association of Emergency Managers (IAEM) Certified Emergency Manager (CEM) and a certified Maryland Professional Emergency Manager (MDPEMP). Kathy served as the Senior Crime Analyst with Sanford Police Department in Sanford, Florida. Ms. Francis attained her Florida Law Enforcement Analyst Certification from the Florida Department of Law Enforcement/DHS.

Gavy Friedson, MPH

Gavriel Friedson has been saving lives since the age of fifteen. In the course of twelve years on the job, Friedson has distinguished himself through more than 9,000 emergency calls, ranging from acute medical crises to multiple casualty events. He has been first medic on the scene at a number of terrorist attacks during his years as a first responder. He spent most of his life volunteering with all of Israel's rescue agencies, and recently returned to the United States to help expand United Rescue's operations. He is responsible for helping in identifying additional United Rescue locations and emergency programs. Gavriel Friedson, who served in the elite Nahal Infantry Brigade and served in the Spokesperson's Unit of the IDF, holds a Master's degree in Public Health specializing in Emergency and Disaster Management from Tel Aviv University.

Samuel Galvagno, DO, PhD, FCCM

Dr. Galvagno is the Associate Chief of Critical Care at the University of Maryland Medical Center and Chief of the Division of Critical Care in the Department of Anesthesiology. He is also a Lt Col (Col-select) in the USAF Reserve and is the Director of Critical Care Air Transport Team (CCATT) Operations at the 943rd Rescue Group, Davis-Monthan Air Force Base, AZ. Dr. Galvagno is board certified in anesthesiology, critical care medicine, neurocritical care, and public health. He has additional certifications in critical care ultrasound (ACCP) and basic transthoracic echocardiography (NBE). Dr. Galvagno holds a PhD and is a funded researcher who has multiple projects related to aeromedical critical care. Dr. Galvagno began his EMS career as a National Ski Patrolter, then served as an EMT-B and paramedic in New York and Maryland while attending college. He remains very active with EMS, flying with the Maryland State Police Aviation Command regularly and teaching paramedic classes.

Eric Garrison

Eric is the Chair for the Virginia Campus Task Force to End Sexual Violence and the Co-Chair of EqualityWM. 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 the globe to around the globe "from Oxford, Mississippi, to Oxford University. As a world-renowned author and sexologist (both clinical and forensic), Eric also presents on sexuality and healthful relationships to countless universities with NCEMSF membership. Because of his outstanding reputation as a dynamic speaker and his consistently high evaluations with our attendees, Eric is back again for multiple sessions this year at his 14th consecutive NCEMSF conference. You can reach Eric over the weekend and in the future at 800.814.1969 or at www.ericmgarrison.com

David Goroff, MS

David Goroff is an Associate Emergency Medical Services Administrator for the State of Maryland. In this role, David works closely with EMS programs, local, state, and federal government officials, hospital and healthcare administrators, and educational institutions in the coordination of 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.

Alethea Granberg, MSM, EMT-P

Presenter Bios

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

Matthew Green, MPA

Matt Green has been immersed in emergency response and emergency management since 2008, holding several leadership and advisory positions within the emergency medical field including Chief of SUNY Cortland EMS (2011-2012). He is a professional in the Emergency Management field, specializing in the application of social media and emergency communication, participating in both national and international operations. Matt is a Team Lead for the New York Virtual Operations Support Team and a member of the Virtual Operations Support Group's Global Advisory Council. He works full time for an emergency management agency as a Communications Specialist.

Danielle Gruen

Danielle is a PhD candidate at Massachusetts Institute of Technology and Woods Hole Oceanographic Institution. She got her start in EMS as a WEMT in Wyoming and went on to work as an EMT for Penn State EMS. After graduating, she worked as a research specialist in the Department of Emergency Medicine at the University of Pittsburgh and volunteered for a local ambulance service in the Pittsburgh area. She currently volunteers for MIT EMS. Danielle gets easily excited about microbes, rocks, rock climbing, and emergency medicine.

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 currently works full-time as an EMT for Southwest Ambulance in Tucson, Arizona and part-time as a reserve EMT for the Arizona Department of Public Safety Air Rescue in Phoenix, Arizona.

Gary Hecker, RN, CCRN, AEMT-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. Currently he is an Assistant Director of Nursing Education at NYC Health and Hospitals/Metropolitan.

Robert Henderson, MS, NRP, NCEE

Robert Henderson, Jr., MS, NRP, NCEE is the program director of the Community College of Baltimore County emergency Medical Technology program.

David Hiltz

David has several decades of experience in the healthcare industry with a special interest in emergency medicine and resuscitation. Combining over 30 years of clinical experience, leadership and educator skills to improve performance and outcomes.

Margaret Houghton, WEMT-P

First licensed in 2005, Margaret continues to be an active ALS provider on Mt. Desert Island, Maine. Administratively, she serves as Crew Chief for The Northeast Harbor Ambulance. Additionally, raising her 5 children on nearby Cranberry Island, Margaret was a founding member and instrumental in establishing Islesford Rescue now Cranberry Island Rescue a Maine licensed EMS Service. Thru her tireless efforts CIR is now a viable thriving EMS service serving both seasonal and year

round residents 24/7 of this small offshore island community. From near by Northeast Harbor, she continues to provide ALS backup to the crew when requested. Both services are fortunate to have such dedicated, talented, and skilled providers.

John Ingradia

John was a member of SUNY Cortland EMS for his 4 years of college. During his time in SCEMS he held the positions of Lt. of Personnel, Lt. of Training and Assistant Chief. John has graduated from SUNY Cortland with a B.A. in Community Health and recently graduated from the Nassau County Police Academy. John is now a Nassau County police officer assigned to the 4th precinct.

William Jansen

Trooper First Class William Jansen joined the Maryland State Police in 2010 and is currently assigned to MSP's Trooper 3 base in Frederick, Maryland. In addition to being a Flight Paramedic, he is also a Tactical Paramedic that responds with the Maryland State Police SWAT team to various high risk missions. TFC Jansen also serves as a recruiter and part time instructor for the command.

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.

Katarina Jones

Katarina Jones became an EMT in 2013, and started working at Boston University EMS. Missing the academic aspect of EMS, she started teaching CPR, FA and EMT classes at BUEMS. Over the next few years she worked as training coordinator and then graduate assistant, helping coordinate different aspects of EMS education. She has also worked as a medical assistant at Boston University Student Health Services. Katarina is finishing up her masters in public health at Boston University and hopes to work as an epidemiologist.

Michael Juby, MS

Michael Juby is first year Osteopathic medical student at Midwestern University's Arizona College of Osteopathic Medicine. He graduated from Arizona State University in 2015 with a Bachelor's in Biomedical Engineering and then again in 2016 with Master's Degree in Biomedical Engineering. He previously served as a Captain, a Deputy Chief, and later as the Chief of Student Emergency Medical Services at Arizona State University. Following graduation from ASU, Michael commissioned as an Ensign with the United States Navy after accepting a Health Professions Scholarship Program scholarship. Upon graduation from medical school, he plans on continuing his career in EMS by completing a residency in emergency medicine and then sub-specializing in EMS.

Jennifer Kalash, ATC

Jennifer recently graduated from Montclair State University (MSU) with a Bachelor of Science degree in sports medicine and athletic training. She is a board certified and licensed athletic trainer. While at MSU, she joined MSU EMS as a CPR member and went on to complete her EMT-B certification. She has been involved as both a paid and volunteer EMT. She currently

Presenter Bios

volunteers with the Howell Township First Aid and Rescue Squad. She is currently completing prerequisite requirements with the anticipation of attending medical school.

Leah Krueger, MD

Leah Krueger graduated from the University of Wisconsin with a BS in Biology and Psychology in 2011 and an MD in 2011. 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.

Robert Krupa, MS, AEM

Robert Krupa is a project manager in the Center for Disaster Medicine at the Massachusetts General Hospital. In that role, Robert supports the implementation and ongoing education of the Hospital Incident Command System (HICS) at Mass General, serving as a faculty trainer for the hospital's Hazardous Materials and Biothreats response programs. He managing the design, execution and evaluation of training exercises for both Massachusetts General Hospital and the Center for Disaster Medicine (CDM) external clients. Robert completed his undergraduate degree at the Massachusetts Maritime Academy, where he was a co-founder of Massachusetts Maritime Academy EMS, and a master's degree in Healthcare Emergency Management from the Boston University School of Medicine. He maintains certification as an Emergency Medical Technician.

Evan Kuhl, MD

Evan Kuhl earned an undergraduate degree from Bellarmine University, where he helped create the first collegiate EMS program in Kentucky. Evan worked in EMS for four years prior to attending medical school at the University of Louisville. He has continued to be involved in CPR and EMS instruction, and is currently an emergency medicine resident at the George Washington University in Washington, DC. He has received multiple awards for leadership, excellence in emergency ultrasound, and was named intern of the year in 2016.

Alexander Kurtzman

My first exposure to EMS came through the EMT class held my senior year at Brandeis University in 2007. Since that time I have worked as an EMT, firefighter and paramedic. I am currently the clinical coordinator for a combination EMS department serving five communities in the Philadelphia area.

Joseph Lalor, CHSOS

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

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

Dr. Benjamin Lawner is the Medical Director of Prehospital Care Services for the Allegheny General Hospital in Pittsburgh, Pennsylvania. His responsibilities include oversight for the LifeFlight critical care transport program, ground based EMS services, and medical education initiatives for physicians, residents, and staff. He is a core faculty member for the Allegheny Health Network's emergency medicine residency. He has been involved in EMS since his initial certification as an EMT in 1994. He has worked with Alachua County (Florida) Fire Rescue as a firefighter paramedic. At the University of Maryland Medical System, he completed a residency in emergency medicine and a fellowship in emergency medical services. Dr. Lawner formerly served as the Deputy Medical Director for the Baltimore City Fire Department and provided medical oversight to several paramedic programs.

Samantha Leonard

Samantha is a senior at Rice, and has been a member of Rice EMS for the past three years. She is an Advanced EMT, and currently serves as the Senior Lieutenant, the second in command, of the organization. Samantha will graduate in May with a degree in cognitive science.

Matthew Levy, DO, MSc, FACEP, FAEMS, NRP

Dr. Matthew Levy is the National Chairperson of the Stop the Bleeding Coalition, an independent nonprofit organization dedicated to educating about, and enhancing survival from severe bleeding. Dr. Levy is an Associate Professor of Emergency Medicine at the Johns Hopkins University School of Medicine and the Medical Director of the Howard County Department of Fire and Rescue Services. Dr. Levy's career in Emergency Medical Services and Disaster Response spans more than two decades during which time he has served as an EMT, then a paramedic, an operational physician and now as the department's Medical Director. Dr. Levy has maintained an active role in a variety of local, state and federal elements related to emergency medical and disaster care. Dr. Levy completed his medical degree at the Philadelphia College of Osteopathic Medicine and his undergraduate and graduate degrees in Emergency Health Services at the University of Maryland, Baltimore County. Dr. Levy completed a residency in Emergency Medicine at Johns Hopkins Hospital where he also served as Chief Resident. Dr. Levy is also a Tactical Physician and the Medical Director for the Howard County Police Department. Dr. Levy is a member of the Joint Committee to Enhance Survivability from Intentional Mass Casualty Shooting Events and is a contributor to the Hartford Consensus. In addition, he sits on multiple steering committees at various levels of government and has spoken internationally on topics of prehospital emergency care, tactical medicine, disaster response and the training of EMS personnel.

Raymond Levy, MPH, EMT I/C

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

Raymond Lovell, EMT-C

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 for the local town's EMS as well as private security.

Daniel Maas, CEM

Dan Maas is the Emergency Manager for Cornell University Environmental Health and Safety and serves as supervisor of the Cornell University Emergency Medical Service, a student run, all volunteer BLS first response agency serving the Cornell campus in Ithaca, NY. Dan 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 35 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 28 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.

Presenter Bios

Justin Margolies

Currently a Senior at State University of New York (SUNY) at Cortland College and graduating in May 2017 with a B.S. in Athletic Training. Been an active member in SUNY Cortland EMS (SCEMS) all four years of his college career. Starting as an observer and worked his way up to Chief of Operations of the New York State recognized BLSFR EMS agency.

Sean McMullen, CEP

Sean McMullen is a paramedic and the founder and president of MIG Labs, a website devoted to free, collaborative, evidence-based, prehospital medicine education. He currently works as a paramedic for a tribal government ambulance. In the past, Sean has worked as a paramedic on a Phoenix-area interfacility ambulance, as an EMT at a regional pediatric Level I trauma center, and as a behavioral health specialist with the Phoenix Fire Department. In 2008 he founded Student Emergency Medical Services at Arizona State University, and served as its Chief for several years. Sean enlisted as a combat medic in the Arizona Army National Guard in 2009 and became an Army Flight Paramedic in 2014. Sean deployed to Kosovo in support of NATO MEDEVAC missions for one year in 2016.

Jackson McWade, NRP, FP-C, TP-C, C-NPT, CP-C

Jackson has worked in emergency medicine since 2009 and is a graduate of the Pro EMS Center for MEDICS paramedic program. Jackson has a diverse background with practical experience and specialty certifications in the areas of prehospital medicine, tactical medicine, executive protection, technical rescue, community paramedicine, pediatric and neonatal critical care and flight medicine. Jackson has worked with EMS agencies, private security, and law enforcement agencies across the country and around the world. Jackson is a former critical care paramedic for Children's National Medical Center in Washington DC as well as a former firefighter/paramedic for the Town of Winchester, MA. Jackson currently works as a critical care paramedic with Boston MedFlight and is also the education and Simulation Coordinator for Pro EMS Center for MEDICS paramedic program.

Tyler Melnicove, ATC

Tyler is currently a medical student at Thomas Jefferson University in Philadelphia, PA. He recently graduated from Montclair State University (MSU) with a BS in sports medicine and athletic training. He is a board certified athletic trainer (ATC). While at MSU, he joined the campus EMS squad as a CPR, non-EMT member. He completed his EMT-B training and rose through the ranks to become the lieutenant responsible for overseeing training. He is currently employed at Millville Rescue Squad in Millville, NJ.

Jacob Miller, MS, FNP, ACNP, ACCNS, CCRN, CFRN, EMT-P, FP-C

Jacob Miller is a Certified Nurse Practitioner and Clinical Nurse Specialist with background in flight, critical care transport, and emergency nursing. Jacob earned 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, high-volume commercial, and aeromedical EMS experience. Jacob currently works as a flight nurse practitioner for the Cleveland Clinic, and is an active EMS provider and Quality and Safety Officer for Case Western Reserve University EMS.

Mark Milliron, MD, MPA, MHS

Mark Milliron has 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, and developed the Striving for Excellence in Campus EMS recognition program. He currently coordinates the Sudden Cardiac Arrest Association CPR rescue recognitions for NCEMSF.

Mr. Milliron is employed as a Public Health Program Administrator by the Pennsylvania Department of Health responsible for the State Health Improvement Plan, State Health Assessment, and Health Improvement Partnership Program. He teaches courses in emergency management for the Pennsylvania State University and Kaplan University and is an EMT instructor for Harrisburg Area Community College.

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.

Robert F Muller, NRP

Robert F. Muller, AAS, NRP is a full time faculty member of the Community College of Baltimore County Emergency Medical Technology program.

J.V. Nable, MD

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

Kenneth Navarro, MD

Kenny is an Assistant Professor in the Department of Emergency Medicine at the University of Texas Southwestern Medical Center at Dallas. Kenny oversees the EMS Continuing Education program. He also serves as a Content Consultant for the AHA ACLS Project Team. He has previously served as the Coordinator for the National EMS Education Standards Project and an expert writer for the National EMS Education Standards Implementation Team.

Shaun Patterson, DO

An Emergency Medicine physician and current EMS Fellow at the University of North Carolina-Chapel Hill. Nearly 15 years of prehospital experience; originating as a volunteer EMT-B for the state of New Jersey now serving as an EMS physician for Wake County, Orange County, and the North Carolina State Highway Patrol.

Darcy Phelan-Emrick, DrPH, MHS

Dr. Phelan-Emrick has served as the Chief Epidemiologist at the Baltimore City Health Department (BCHD) since May 2015. Her position is shared between BCHD and the Johns Hopkins Bloomberg School of Public Health (JHSPH), where she is a faculty member. At BCHD, Dr. Phelan-Emrick leads the department's efforts to understand the distribution and determinants of health in Baltimore City. Dr. Phelan-Emrick conducts analyses and surveillance of population data, leads the release of epidemiologic reports, and serves as one of the Health Commissioner's senior advisers. At JHSPH, Dr. Phelan-Emrick teaches the introductory epidemiology course for undergraduate students, and she advises masters- and doctoral-level trainees. Dr. Phelan-Emrick has held prior positions with the New York City Department of Health and Mental Hygiene, the New York Academy of Medicine, and the Rockefeller University.

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.

Presenter Bios

Ari Rabkin, PhD

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

David Reisman, MHA, FACHE

David Reisman serves as the Senior Administrative Director of the Department of Emergency Medicine and the Associate Director of the Center for Disaster Medicine at the Massachusetts General Hospital. He has administrative leadership responsibility for all areas of the hospital's emergency preparedness program including hazard identification and mitigation, plan and exercise development, response management, process improvement and regulatory readiness. David began his career in health care working in emergency medical services, and has experience in the facilities management and pharmaceutical industries. David holds a bachelor's degree in business administration from the University of Massachusetts at Amherst, and a master's degree in health care administration from The Ohio State University.

Gates Richards, MED, FAWM, WEMT-I

Gates Richards was a member of the Georgetown Emergency Medical Response Service that hosted the inaugural NCEMSF conference in 1994. Since then, he has been an EMT in Washington, DC; Seattle, WA; Pitkin, CO; and is currently an EMT-I in Lander, WY. He has worked with Search and Rescue teams in Gunnison County, CO and Fremont County, WY. He has been a wilderness instructor for Wilderness Ventures, The Overlake School and NOLS throughout the western US and Alaska. He is a recipient of the NCEMSF George J. Koenig Jr Distinguished Service Award and the Wilderness Medical Society's Warren D. Bowman Award. He is the Special Programs Manager and EMT Director for NOLS Wilderness Medicine, and has been teaching wilderness medicine around the world since.

Crystal Richmond, NRP

Crystal Richmond, NRP is the clinical education coordinator for the Community College of Baltimore County Emergency Medical Technology program.

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 Hebert School of Medicine "America's Medical School" in Bethesda, Maryland. Dr. Saguil is an Associate Professor of Family Medicine and is on the faculty of the Fort Belvoir Community Hospital Family Medicine Residency. He is the Vice Chair of the AAMC's MCAT Validity Committee, a contributing editor to the American Family Physician, and Chair of the AAFP's Commission on Continuing Professional Development. Dr. Saguil received his BA in Chemistry from Duke University and his MD from the University of Florida College of Medicine. After completing his residency at DeWitt Army Community Hospital in Fort Belvoir, Virginia, he has been stationed in Grafenwoehr, Germany; Fort Lewis, Washington; and Fort Gordon, Georgia. He has deployed to Afghanistan and served as the Chief of Primary Care for the NATO Role 3 Multinational Medical Unit in Kandahar, Afghanistan; his actions in theater were recognized with the Bronze Star and the Canadian Chief of Defence Staff Commendation.

Christopher Sasse, MS

Christopher Sasse currently serves as the Director of Public Safety and Security at Frederick Community College and is responsible for the Campus Safety and Security Department. Mr. Sasse conducts regular training and practice drills for the campus community, ensuring federal, state, and local compliance within the areas of public safety, security, and

emergency management. He co-chairs the Crisis Management Team and led the implementation of the College crisis management plan. Mr. Sasse earned a MS in Management and Community Development from Johns Hopkins University. He has 30 years of law enforcement experience with the Frederick Police Department, Maryland State Police, and serving as Police Watch Commander at the Department of Navy, Maritime Intelligence Center.

Samantha Sawan, EMT-P

Samantha Sawan is the Manager of Emergency Medical Services at Boston University (BUEMS). She has been involved with EMS since 2009 as an undergraduate at BU, and has since become trained and certified as a paramedic. During college she worked as a campus EMT, EMS lab instructor, and spent her summers working as an EMT on boats in the Caribbean. Samantha currently works per diem as a paramedic for a local ambulance company. She is actively pursuing certification as an EMT I/C and aims to earn an M.Ed. in the near future.

Emma Schneider, RN

Emma Schneider is a recent graduate of The College of New Jersey (TCNJ), with a Bachelor's of Science in Nursing. Throughout her four years at TCNJ, Emma spent her time volunteering as a responding member of TCNJ EMS (formerly Lions' EMS). Emma served as Training Captain for two years during which she created a training curriculum. Emma currently works as a Registered Nurse at Greater Baltimore Medical Center and continues to work as an EMT with Special Events Medical Services, providing medical planning and response at a variety of large venues and special events.

Beth Schwartzman, RD, LDN, CDE

Beth Schwartzman is a Registered Dietitian, Certified Diabetes Educator, self-proclaimed foodie, and busy wife and mom. Her two young children, and spouse (a Paramedic), are three very picky eaters, so she understands how challenging it can be to make fast, healthy choices for both her family and herself. She has worked as a Registered Dietitian for over 20 years. Currently, Beth specializes in childhood diabetes, food allergy management, and health issues of all kinds. Beth has taught nutrition classes on everything from heart health, weight loss to diabetes. In her years of experience, Beth has worked with children and adults and has lectured, taught classes and worked one-on-one to reach one common goal: to learn about how to take the mystery and frustration out of how to eat well - no matter the location. Being married to a Paramedic, Beth has the unique experience to see how the lifestyle and stressors of Emergency Services can impact daily life and what it can do to the body. She has worked with EMS agencies to teach EMS workers how to best choose food options to be healthier, while living in the real world.

Dave Schwartzman, NRP

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 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 also was a specialist with assisting other Reps with selling into the EMS Flight world. Currently Dave is a Territory Manager for Sonosite Ultrasound, selling Point of Care Ultrasound to Hospitals. As for EMS, well, after Philly Fire, Dave spent 5 years as a flight medic for Mid Atlantic Medevac and is currently a NR EMT-P for Virtua Health System in New Jersey.

Presenter Bios

Rebecca Schwartzman, ATC, AEMT-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 pursuing a master's degree in exercise science at LIU Brooklyn.

Kevin Seaman, MD

Dr. Seaman received his undergraduate and Medical Doctor degrees from Georgetown University. He completed an internship in family practice at the Naval Hospital in Bremerton, Washington, and his residency in emergency medicine at the Naval Hospital in San Diego, California. Since coming to Maryland, Dr. Seaman has been involved in numerous aspects of EMS, including medical direction, education, quality improvement, and research.

Richard Shok, RN, EMS-I, 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.

J. Dominic Singh, NRP

Dominic has been active in EMS for 19 years in a variety of roles. He was an original member of the Holy Cross Campus EMS group and currently works full-time as a firefighter/paramedic for the Amherst Fire Department. Other past employment includes private, nonprofit, and municipal based agencies. He also serves as the current staff advisor to UMass Amherst EMS and as the Clinical Supervisor to Spencer EMS. Mr. Singh has been active in EMS education and incident/event planning for most of his career.

Hugh Smallwood, EMT-P

Hugh Smallwood, EMT, is the President of the Cranberry Isles Rescue Service on Little Cranberry Island, Maine. Although a native of Baltimore, Hugh grew up spending summers on the island and married a native. He lives there six months out of the year and is an active member of the small community. After retiring, he started his EMS career in Baltimore in 2007. After gaining some practical experience, he helped form the Cranberry Isles Rescue Service in 2008 which currently has 9 licensed EMT's. The service covers 5 islands; two are year round communities, two are summer residents only and one is uninhabited but receives heavy tourist traffic in the summer.

Scott Spangler, NRP, FP-C

Scott has been employed in EMS since 2006. He became an EMT-B in 2006, an NREMT I/99 in 2010, and an NREMT-P in 2013. He has held a variety of roles in EMS from field based positions to supervisory roles overseeing the day to day operations for approximately 40 employees. In addition, he has been involved in EMS education for about 6 years beginning with teaching CPR and now as adjunct faculty for multiple local educational programs. He is currently employed full time as a Critical Care Transport Paramedic with The Johns Hopkins Hospital and has aspirations of finishing a degree in health systems management. His overall career goal and vision is to unite the various branches of medicine in order to ultimately improve the service and clinical care that we provide to patients.

David Stamey, CCEMT-P

David Stamey currently serves as an EMS Regional Administrator for the State of Maryland EMS Office. David is responsible for managing EMS related activities for Maryland within a geographical area and considered a State liaison. David responds to and assists local jurisdictions with the mitigation of large scale no notice incidents, which includes mass casualty incidents. David assists jurisdictions with the planning and execution of full scale exercises, and serves as a co-coordinator of the statewide mass casualty incident workgroup. David has 25 years of experience in the EMS field as a paramedic, manager and flight paramedic.

Alexander Sundermann, MPH, CIC

Alexander is an infection preventionist and hospital epidemiologist at the University of Pittsburgh Medical Center Presbyterian hospital. Alex has a BS in Microbiology from the University of Rochester and graduated in 2014 from the University of Pittsburgh Graduate School of Public Health with an MPH in Infectious Diseases and Microbiology. He is currently studying for his doctorate in Epidemiology. Alex has been an EMT-B since 2008 and has volunteered at the University of Rochester with the Medical Emergency Response Team (MERT) and still currently volunteers at Foxwall EMS, a Pittsburgh-based service, as a crew chief.

Samuel Tisherman, MD, FACS, FCCM

Dr. Tisherman is a Professor in the Department of Surgery and the Program in Trauma of the University of Maryland School of Medicine. He is the Director of the Center for Critical Care and Trauma Education and the Director of the Surgical ICU of the University of Maryland Medical Center. He completed his undergraduate degree in Biology at the Massachusetts Institute of Technology, and medical school, a general surgery residency, and a surgical critical care fellowship at the University of Pittsburgh. He was a faculty member at the University of Pittsburgh from 1994-2014, where he served as a Professor of Critical Care Medicine and Surgery, Director of the Multidisciplinary Critical Care Training Program, and Associate Director of the Safar Center for Resuscitation Research. Dr. Tisherman's research has focused on the management of severe hemorrhagic shock and cardiac arrest, with a special interest in therapeutic hypothermia. Along with Drs. Peter Safar and Pat Kochanek, he has developed Emergency Preservation and Resuscitation (EPR), a novel approach to the management of the exsanguinating trauma patient utilizing hypothermia to buy time "for resuscitative surgery".

Shannon Tomfohrde, MD, AEMT

Shannon Tomfohrde is a 2012 graduate of the University of Wisconsin with a BS in Pharmacology and Toxicology and a 2016 graduate of the University of Wisconsin School of Medicine with an MD. During her time at the University of Wisconsin, she served as Service Director, Deputy Director, and Quality Assurance Officer of the University of Wisconsin Police Department First Responders. She is currently an Emergency Medicine resident at Regions Health Partners Hospital in St. Paul, MN. She continues to volunteer as an EMT with her hometown service, Osceola Area Ambulance, where she has been an EMT since 2009. Shannon plans to stay involved with EMS as a Medical Director during her career as an Emergency Physician.

Amanda Tracy

Alex Tracy is an alumni of the University of Rhode Island, a former member of National Institute of Public Safety Research and Training (NIPSRT) and a former First Lieutenant of the University of RI Emergency Medical Services. Since her graduation from the University, they have served as an employee of the Roger Williams University Department of Public Safety, where they have not only served as an EMT, but have also engaged in bystander intervention education efforts, Title IX investigation, and numerous efforts to engage with foreign students and the LGBT community in order to provide better, more compassionate, and inclusive services in both pre-hospital emergency care and crime prevention efforts.

Presenter Bios

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

Becky Valentine has been in EMS since 1992 as provider & educator at all levels as well as local/national conferences. Prior to EMS, she worked with adults with mental illness. She currently serves on the National Association of EMS Educators' Board of Directors and New England ECC Committee.

Charles Warner, RN, PHRN, NRP, CFRN

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

Tim Warren

Tim Warren started his career as a researcher at NBC in New York with "Later with Bob Costas" and continued to climb the television ladder producing for "Lifestyles of the Rich and Famous" and "Regis & Kathie Lee" as well as producing and directing live satellite remotes for FX on their flagship series "Breakfast Time" and "Personal FX". After moving to Los Angeles to pursue a sitcom writing career, Warren boarded the "reality train" ultimately show-running and/or directing unscripted programs for FOX, NBC, ABC, CW, FX, ESPN, TLC and SPIKE. Warren served as an executive producer/show-runner on such popular shows as "Extreme Makeover: Home Edition" and "Bar Rescue". He's also been nominated twice by the DGA for his multi-camera directing achievements - first for "Pros vs. Joes" and later for "Ink Master" both for SPIKE. Under his Boomerang Productions Media banner, Warren directed, produced and edited his first feature-length documentary "High School 9-1-1" and executive-produced the crime thriller "Collusions" starring Tom Everett Scott.

James Wilmerding, MS, MEd, EMT-P

Jim began his educational career as a classroom teacher and teaching Principal/Head of School. Jim and his family live on an island off the coast of Maine where he remains active in a variety of educational endeavors, instructing EMS classes and licensing programs as a Maine State Paramedic Instructor Coordinator. Jim continues to work as a Per Diem Paramedic

and administrator with the EMS services in his community. Additionally, Jim volunteers his time with numerous non-profit organizations, and travels domestically and internationally with medical teams providing healthcare and EMS training to rural communities. He is nationally certified as a Community Paramedic and is currently involved in The Maine Community Paramedicine Pilot Program.

Nicholas Witczak

Nicholas Witczak, is a graduate of the University of New Haven with a bachelors degree in fire science administration. He was a founding member of the University's EMS services. In his full time 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 the Director of Client Development for Emergency Resource Management LLC. He is a past captain of the Morristown Ambulance Squad and is currently an Assistant Chief of the Mendham Twp Fire Dept. In addition to fire and ems leadership roles, Nick is the Director of Emergency Management for the Borough of Mendham. In his spare time he is a contributor for the Firehouse Tribune. He is enthusiastic about leadership, management, communications and emergency operations.

Ji Xiao, MPH

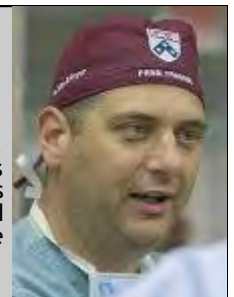
Ji took Boston University's EMT course after hearing raving reviews from friends in 2007 and have been involved in the program ever since. At Boston University, she was on the teaching staff for the EMS program as well as worked as an EMT on campus. Off campus, she worked in a private clinic as a medical assistant to further her experience with patient care. Combining her experience with EMS and her passion for research, Ji obtained her MPH and is now working in healthcare quality improvement

IN MEMORIAM

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

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

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



Richard W. Vomacka Student Speakers

Christopher Anderson

Christopher Anderson graduated with his BS in Chemistry from Villanova in 2016. He is currently pursuing a masters in Public Administration, also at Villanova. Chris has been an EMT for four years, and previously held the position of Training Lieutenant at VEMS. Chris also works as an EMT for Narberth Ambulance.

Oresta Borodevyc

Oresta is a senior at Drexel University majoring in biological sciences. She is currently Compliance Officer at Drexel EMS while being involved in several other on-campus student organizations. After graduation, she plans on entering Rutgers University PA class of 2020 to eventually work as a primary care OB/GYN PA-C. In the future, she also plans on getting an MPH in global health and helping on medical mission trips to Ukraine.

Matthew Delancy

Matthew Delancy is a senior biology major at Villanova University and the Captain of Villanova EMS. Matt has been an EMT for five years and works at his home squad, Medford EMS, in New Jersey. Upon graduation, Matt plans to attend medical school.

Andy Kaufmann

Andrew has been involved with EMS as a volunteer EMT for the Washington University in St. Louis Emergency Support Team (WUEST) since his freshman year. He served as the fundraising chair of the team until he was elected as the secretary. Andrew is a sophomore majoring in computer science and healthcare management and is also involved in a variety of activities with his business fraternity and social fraternity. In addition, Andrew works as a relationship violence educator within the Greek community, and is a teacher's assistant for business and computer science courses.

Morgayne Nash

I am a senior Ocean Studies major at the University of New England. I started in UNE EMS my freshman year and have since held the positions of Public Relations Lieutenant and Out of the Darkness Walk Chairperson.

Andrew Rosenblum, EMT-I

Andrew is a senior studying public health 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 is also a member of the Hopkins Emergency Response Organization (HERO) where he was a Lieutenant and then Captain in 2016. He recently became a part of the Arbutus Volunteer Fire Department in Baltimore County, Maryland.

Julie Solomon

Julie Solomon is a sophomore at Washington University in St. Louis studying biomedical engineering on the pre-med track. She is a nationally registered EMT who volunteers for the Washington University in St. Louis Emergency Support Team (WUEST), an on-campus EMS team that operates on campus. Julie extracurricular activities include performing research at the Washington University School of Medicine, working as a group tutor, and serving as the public relations chair for the local chapter of Walk with a Doc.

Nicole Taylor

Nicole currently serves University of Arizona EMS as a Field Supervisor and in an Advisory role as the Executive Advisor. Nicole has been working in this agency since 2014 and acted as the Chief of Operations for the 2015-2016 school year. She is planning to graduate in 2017 with dual bachelors degrees in Nursing and Biological Anthropology as well as a minor in Physiology. Nicole plans to pursue a career as a flight nurse in the United States Air Force.

Yash Varma

Yash Varma is currently a student at Drexel University studying Biological Sciences and also pursuing a minor in Public Health. Yash has been an EMT for 2 years and currently serves as a lieutenant for Drexel University Emergency Medical Services. He is also an American Heart Association CPR Instructor and teaches classes through the Drexel University College of Medicine. Yash aims to attend medical school in the future and become an Emergency Medicine physician.



NCEMSF Leadership Bios

NCEMSF EXECUTIVE BOARD

George J. Koenig, Jr., DO

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

Scott C. Savett, PhD

Scott Savett, NCEMSF Vice President and Chief Technology Officer, has been involved in collegiate EMS since 1991. His EMS career started at Ursinus College where he was one of the founders of its EMS response group. Scott received his BS in chemistry in 1994, and enrolled in graduate school at Indiana University-Bloomington. In 1994, Scott founded IU-EMS, an organization dedicated to providing comprehensive pre-hospital education and service. Scott transferred to Clemson University in 1995, to continue his graduate studies in chemistry. He was an active volunteer with Clemson University Fire/EMS, eventually upgrading his level of training to NREMT-I and becoming cross-trained in the fire service. In May 2000, Scott received a PhD in analytical chemistry from Clemson. Scott is a senior software analyst for Thermo Fisher Scientific, implementing Laboratory Information Management Systems (LIMS) for pharmaceutical, environmental, clinical, and biotech laboratories. He actively volunteers as an EMT with Whitemarsh Ambulance in the Philadelphia suburbs and serves on the board of directors of that organization. He is also a per diem event EMT for Lehigh Valley Health Network at the PPL Arena in Allentown, Pennsylvania.

Joshua A. Marks, MD

Joshua Marks, NCEMSF Secretary, is an Assistant Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is also the Assistant Program Director for the General Surgery Residency and Associate Program Director for the Surgical Critical Care Fellowship at Jefferson as well as a Deputy Director of the Jefferson Center for Injury Research and Prevention (JCIRP). He is Board Certified in surgery and surgical critical care. He completed his fellowship in trauma and surgical critical care at the Hospital of the University of Pennsylvania and his general surgery residency at Thomas Jefferson University Hospital. He received his Doctor of Medicine degree from Jefferson Medical College (now SKMC) in June 2007, and his BA in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998, as a member of Narberth Ambulance. Joshua sits on Narberth's Board of Directors. He has served as the Corps' Treasurer, Secretary, Membership Chair, and BLS Training Coordinator. While at Columbia, Joshua served as the Chief Medical Officer and Executive Director of Columbia University EMS. Joshua became involved with NCEMSF in 2000. He served for three years as the Foundation's first National Coordinator from 2001 to 2004 before being elected to the Executive Board. Joshua is the 2003 NCEMSF Collegiate Provider of the Year Award as well as the 2003 recipient of the American College Health Association's Lewis Barbato Award.

Michael S. Wiederhold, MD, MPH, MS

Michael Wiederhold, NCEMSF Treasurer, is a healthcare administrator who has worked at one of the largest healthcare

systems and the largest hospital in the United States. He completed his pediatric residency at the University of Tennessee Health Science Center in Memphis. He obtained his MD from the University of Arkansas for Medical Sciences. He received his Master of Public Health from Tulane University and his Master of Science in Emergency Health from the University of Maryland, Baltimore County. He earned his undergraduate degree from Emory University, majoring in psychology. Michael has been involved in collegiate EMS since 1996. While at Emory, he volunteered as an NREMT-I with Emory EMS and served as Vice-President of CPR @ Emory, an organization designed to provide low-cost CPR training to the community. He became involved with NCEMSF in 1998 as Director-at-Large and has served as Treasurer since 2001.

Michael T. Hilton, MD, MPH, FAEMS

Michael Hilton, Director-at-Large, is an Assistant Professor of Emergency Medicine in the Department of Emergency Medicine at the Icahn School of Medicine at Mt. Sinai and the Associate Medical Director for EMS and Disaster Preparedness at Mt. Sinai St. Luke's and Mt. Sinai West. He is board certified in Emergency Medicine and EMS, having completed his emergency medicine residency and EMS Fellowship at the University of Pittsburgh Medical Center, in 2012 and 2014, respectively. He received his Master of Public Health degree with a certificate in Public Health Disaster Preparedness and Response from the University of Pittsburgh Graduate School of Public Health in 2014, his Doctor of Medicine degree from the University of Pittsburgh School of Medicine in 2009, and his Bachelor of Arts degree from Columbia University in 2005. While at Columbia, he served as Captain of Columbia University EMS. He has been an advisor to Pitt Student EMS, Medical Director of Carnegie Mellon University EMS and an Assistant Medical Director of the City of Pittsburgh Bureau of EMS. He was the 2012 recipient of the Society for Academic Emergency Medicine/Physio-Control EMS Research fellowship, a 2015 recipient of the National Association of EMS Physicians Fellowship Award, and a 2015 recipient of the Allegheny County EMS Champions Award. Michael became involved with NCEMSF in 2001. He served for four years as NCEMSF's New York Regional Coordinator and six years as the National Coordinator before becoming a Director-at-Large.

Yoni Litwok, MD

Yoni Litwok, NCEMSF Director-at-Large, graduated from Brandeis University in 2007 with a degree in Economics. Prior to graduation, he was Clinical Supervisor and Director of Operations of the Brandeis Emergency Medical Corps. After graduating he worked for an investment firm before deciding to pursue a career in medicine. Yoni completed his post-baccalaureate studies at Rutgers University and then graduated from Rutgers New Jersey Medical School. Yoni currently is an Internal Medicine resident at North Shore - Long Island Jewish. Prior to becoming a Director-at-Large, Yoni was the Northeast Regional Coordinator.



NCEMSF Leadership Bios

NCEMSF DIVISION COORDINATORS

Karolina A. Schabzes, MPH

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

Stephen J. Lanieri

Stephen Lanieri, NCEMSF National Coordinator, graduated from Daniel Webster College in 2008 with a BS in Aviation Management. As a freshman, he founded DWCEMS, a student-run and NH licensed EMS service. Steve held the position of Captain/President all 4 years and continues as an Alumni Advisor. Steve began his EMS career at 16, volunteering as a cadet on the Branchburg Rescue Squad in his hometown of Branchburg, NJ, and later became an EMT-B. He has become certified in Swiftwater Rescue, Vehicle Extrication, Airplane/Helicopter Rescue, and many levels of ICS, and continues to serve on the rescue squad. Steve has also been a National Ski Patrolter since 2004 at Pats Peak Ski Area in Henniker, NH. Steve has worked as a Communication Specialist/EMT with Boston MedFlight in Bedford, MA. He currently works in the Operations Center at Boston Logan International Airport where he manages logistics for airport operations and security, and coordinates airport emergency responses with Airport Fire/Rescue. He previously served as NCEMSF's Northern New England Regional Coordinator.

Joseph M. Grover, MD

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

Joshua E. Glick, MD

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

Jeffrey J. Bilyk, 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 endeavours to continue to grow the number of Canadian campuses with CBEMS teams.

Eric Pohl, NRP

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

Timothy J. McMichael, NRP

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

Jennifer D. Shoemake, MSN, CRNP

Jennifer Shoemake, NCEMSF Hotel Liaison, began her involvement in EMS in 1998. She attended Texas A&M University where she worked as an EMT for TAMU EMS and Care Team. After graduating in 2002, she moved to Philadelphia and started a career in hospitality sales and management. Jennifer's experience allowed her role within the organization to evolve into the Hotel Liaison, responsible for ensuring a seamless conference experience since 2004. Jennifer completed her BSN in 2014, and her MSN as a Pediatric Nurse Practitioner in 2015, at Thomas Jefferson University. Jennifer is a commissioned officer and is now serving on active duty in the United States Air Force at Offutt AFB in Omaha, Nebraska. She works in primary care pediatrics as a primary care provider to military families.

Douglas R. Buchan, RN

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

NCEMSF Leadership Bios

NCEMSF REGIONAL COORDINATORS

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. After graduating from Western University with a degree in Physiology, Evan stayed to complete his Masters in Clinical Anatomy. He continues to respond with Western SERT and is actively involved in team training.

Ian Feldman

Ian Feldman, NCEMSF Central Regional Coordinator and Webmaster, started his EMS career at Rice University in 2006. He served as an EMS Supervisor and officer during his time at Rice. After graduating in 2009 with a degree in mathematics, he remained active with Rice EMS assisting with administrative tasks and later becoming an EMS Instructor. Outside of collegiate EMS, he works as a Staff Analyst with the City of Houston, where he serves as the regional system administrator for a software suite which facilitates the collection, cataloging, and analysis of data on critical infrastructure and public safety. He also works as an In-Charge Paramedic and dispatcher at Harris County Emergency Corps, he volunteers with the Northwest Volunteer Fire Department, and works as an event paramedic at various venues in the Houston area. He received a Master of Science in Threat and Response Management from the University of Chicago in 2011 and holds a Certified Emergency Manager® designation from the International Association of Emergency Managers.

David Afienko

David Afienko, NCEMSF Massachusetts Regional Coordinator, began his collegiate EMS career with Massachusetts Maritime Academy's EMS organization. In 2012, David co-founded MMA EMS and assumed the role of chief. 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 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 a responder with Case Western Reserve University EMS in Cleveland, Ohio, where she spent her final two years as Chief of the department. A recent graduate of CWRU's nursing program, she is now getting her start in ICU nursing as well as in school at University Hospitals Parma paramedic program. She also works as an EMT for Ohio Ambulance in Euclid, Ohio and is a American Heart Association BLS CPR instructor. Before moving to Cleveland, Lex received her EMT-Basic and

Wilderness EMT through Aerie Backcountry Medicine in Missoula, Montana. She hopes to eventually pursue a career in critical care transport and flight nursing.

Matthew D. Ricci, MPA

Matt Ricci, NCEMSF New York Regional Coordinator, was the Director of Operations for UMass Lowell EMS from 2007-2010. He currently works in Business Continuity for Barclays in NYC, and formerly worked in the Emergency Response Department for JetBlue Airways. Matt's work with technology streamlined campus EMS operations, and has been used toward new solutions in the airline's response operations. Matt has an MPA in Emergency & Disaster Management, and maintains his EMT-B Certification.

Katie Egan, MD, RN

Katie Egan, NCEMSF North Central Regional 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.

Bruce S. Graham, Jr.

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

Kate Marquis, RN, CEN

Kate Marquis, NCEMSF Northern New England Regional Coordinator, graduated from Saint Anselm College with her BSN in 2012. Kate first became involved in EMS in 2009, when she joined Saint Anselm College EMS as an EMT. Prior to graduating, she was elected to captain of Saint Anselm EMS. Kate currently works in the emergency department at the University of Virginia Medical Center as an RN, and is a former neuroscience nurse. She additionally works for UVA Medical Center's Life Support Learning Center as a BLS and ACLS instructor, as well as a Trauma Nursing Core Course (TNCC) Instructor. She recently obtained her Certification in Emergency Nursing, a specialty certification, through the Emergency Nurses' Association.

Ryan M. Hay, RN

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

NCEMSF Leadership Bios

Gabe Gan

Gabe Gan, NCEMSF 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 a first year master's student in the Department of Health Policy and Management at the Columbia University Mailman School of Public Health. Gabe plans to enter the field of healthcare consulting, combining his interests in health delivery systems innovation, chronic disease management, and emergency/unscheduled care to advise healthcare organizations on strategies for population health management.

Tom Renner

Tom Renner, NCEMSF 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.

Notes:

Thank You For Attending!

Please remember to ***complete your evaluation forms*** online
(www.ncemsf.org/conf2017)

See You Next Year for our 25th Anniversary!
February 23-25, 2018
Philadelphia, Pennsylvania

Schedule Summary

Sunday, February 26, 2017

7:30 am - 8:30 am	Continental Breakfast	Ballroom Foyer
8:00 am - 9:00 am	Workshop Session 9 (Page 25) Debriefing with Good Judgement Critical Care Transport: Building Your EMS Career The Role of Certified Athletic Trainers in Medical Emergencies EMS Leadership and Management 101 Innovations in Emergency Care Policy Pediatrics Review: 5 Case Studies A Look Inside Our Medical Diagnostic Equipment So You're Training Officer, Now What? Skills Lab: Advanced Airway Skills Lab: Combat Emergency Medical Skills Roundtable: Administrator/Advisor/Medical Director Roundtable: Campus EMS Administrative Challenges	Annapolis Chesapeake A Columbia Constellation C Constellation D Constellation E Constellation F Frederick Conway President Lombard Calvert
9:10 am - 10:10 am	Workshop Session 10 (Page 26) Healthy Campus and Potential Campus EMS Roles Better Leadership Through Better Followership Chest Injuries Current Trends in the Management of the Spinal Injured Athlete YouTube Trauma: Lessons Learned from Idiots Life & Death in Social Media... or Because of It? Sudden Cardiac Arrest in Student Athletes The Danger You Can't See Sepsis, Hot, and Cold Skills Lab: Megacode Skills Lab: Combat Emergency Medical Skills Roundtable: Fundraising and Financing Roundtable: Emergency Management & Disaster Preparedness	Annapolis Baltimore Chesapeake A Columbia Constellation C Constellation D Constellation E Constellation F Frederick Conway President Lombard Calvert
10:20 am - 11:20 pm	Workshop Session 11 (Page 28) Approach to the Transgender Patient NYC Office of Emergency Management Chelsea Bombing Caring People, Quality Service... More Than Just a Slogan YouTube Trauma: Part 2. "Watch This!" BVMs SGAs and LMAs: The Overflowing Airway Toolkit Making Sense of EKGs Marathon And Exertional Event Emergencies EMS Preparedness for Communicable Diseases Skills Lab: Childbirth Concepts and Scenarios Skills Lab: Combat Emergency Medical Skills Roundtable: Training Roundtable: Startup	Annapolis Chesapeake A Columbia Constellation C Constellation D Constellation E Constellation F Frederick Conway President Calvert Lombard
11:30 am - 12:30 pm	Workshop Session 12 (Page 29) The Physiology of Emergency Response Emergency Care of Anaphylaxis Scene Safety in the Higher Education Environment Communication Breakdowns, CRM and Just Culture Lessons from the Operating Room Effective Strategies for Giving Report Maryland State Police Aviation Command: Multi-Mission Medics Establishing Your Collegiate EMS Agency as AHA Training Organization Skills Lab: Childbirth Concepts and Scenarios Skills Lab: Combat Emergency Medical Skills Physio-Control EMS Skills Classic Review	Annapolis Chesapeake A Columbia Constellation C Constellation D Constellation E Constellation F Frederick Conway President Baltimore
12:40 pm - 1:40 pm	Plenary Session - EMS Applies To Everything—Even Reality Television	Constellation A/B
1:40 pm - 2:00 pm	Conference Wrap-Up	Constellation A/B

Schedule Summary

Saturday, February 25, 2017 (Continued)

1:30 pm - 2:30 pm	Workshop Session 6 (Page 15) Undergraduate EMS Research Hey, I Just Got My License, UH OH Now What? Stop! You Can't Make Me Go! "Just Syncope" Or Is Death Knocking? Suicide and Other Psychiatric Emergencies on Campus Medical Management of Chemical Gas Releases on Campus Collegiate EMS Rescue Task Force Pediatric Disaster Preparedness: What's your Plan? Decision Making: Errors of Perception Using Sign Envy to End Survival Envy Skills Lab: Ultrasound Roundtable: Research Design & Execution in EMS	Annapolis Baltimore Chesapeake A Chesapeake B Columbia Constellation C Constellation D Constellation E Constellation F Frederick President Lombard
2:40 pm - 3:40 pm	Workshop 7 (Page 17) Recent EMS Research That Will Save Your Patients' Lives! Perspectives on Risk- Safety Culture and Organization Dynamics Infection Prevention in EMS That's Shocking! A Review of Electrical Injuries Opioid Overdose and Treatment: Digging Deeper What's all the excitement about? DELIRIUM! Fire Scene Rehab: Not Just Watching the Fire!!! I've Got No Defense Emergency Management: It's More Than Just ICS Failures in Automated External Defibrillator Deployment Skills Lab: Johnny Is Lost Introduction to Search and Rescue Skills Lab: Ultrasound Paging Dr. Hirschfeld: Supportive Forum for LGBTQ Roundtable: Recruitment and Retention	Annapolis Baltimore Chesapeake A Chesapeake B Columbia Constellation C Constellation D Constellation E Constellation F Frederick Conway President Calvert Lombard
3:40 pm - 3:55 pm	Snack Break LGBTQ Social	Ballroom Foyer Harborview
3:55 pm - 4:55 pm	Workshop 8 (Page 19) Ethics in EMS Education Managing Crashing Patients in the Field - Reducing Mortality Prehospital Monitoring Taking the Blood Bank to the Field Not Just in Movies: PTSD & Suicide in EMS Providers "Give Me a Hand ... Too Soon?" - Forearm Trauma Molly and Her Friends: A Review of Drugs of Abuse EMS Mythbusting: Hyperkalemia "Sign This..." The Basics of EMS Consent and Refusal Taking on Public Enemy #1. Join the EHAC Posse! Skills Lab: Disaster Tabletop Skills Lab: Just Walk It Off: Usable Injuries in the Wilderness Roundtable: QA/CQI Roundtable: Creating an Alumni Network	Annapolis Baltimore Chesapeake A Chesapeake B Columbia Constellation C Constellation D Constellation E Constellation F Frederick President Conway Calvert Lombard
5:00 pm - 6:00 pm	Plenary Session - Major John P. Pryor, MD Memorial Lecture Saving the Exsanguinating Trauma Patient	Constellation A/B
6:00 pm - 7:00 pm	NCEMSF Business Meeting and Awards Presentations	Constellation A/B
7:00 pm - 8:30 pm	Alumni Social and Networking Event	Harborview
7:00 pm - 10:00 pm	Dinner in Baltimore On Your Own	
9:30 pm - 11:00 pm	Movie - High School 9-1-1	Constellation B
10:00 pm - 2:00 am	Club NCEMSF Casino	Constellation A Constellation E/F

(Sunday on Previous Page)

Schedule Summary

Friday, February 24, 2017

4:00 pm - 10:00 pm	Conference Check-in	Atrium
5:00 pm - 10:00 pm	Physio-Control EMS Skills Classic	Maryland Suites
6:00 pm - 6:50 pm	How to Make the Most of the Conference Experience	Columbia
7:00 pm - 8:00 pm	Workshop Session 1 (Page 7) The Fastest Response to Crisis: 90 seconds Time is Brain: The Science of Prehospital Stroke Care Play How You Practice Automated CPR - Yes / No / It's complicated.... 40 years: Learned Lessons, Campus Politics and Legacy Roundtable: Startup	Constellation C Constellation D Constellation E Constellation F Chesapeake Columbia
8:10 pm - 9:10 pm	Workshop Session 2 (Page 8) Prehospital Mythbusters - A Revision of Practice Transporting Stroke Patients In The Era of Endovascular Therapy 7 Things Your Mother Never Told You About Epidemiology Food Allergies - What's it all about? Chiefs and Presidents Panel	Constellation C Constellation D Constellation E Constellation F Chesapeake
9:00 pm - 1:00 am	Welcome Social and Mixer / CPR Challenge	Constellation A/B
11:00pm - 12:00 am	EMS as a Spectator Sport	Constellation A/B

Saturday, February 25, 2017

7:15 am - 8:30 am	Continental Breakfast	Ballroom Foyer
7:45 am - 8:20 am	Group Introductions/Meet & Greet	Constellation A/B
8:20 am - 9:15 am	Opening Plenary Session - Campus EMS Highlights	Constellation A/B
9:25 am - 10:25 am	Workshop Session 3 (Page 10) Ultrasound for EMS Quality Assurance of College EMS ALS for the BLS Provider How'd He Do That?! Using Mechanism to Predict Injury Sense & Sensitivity: Trauma-Informed Responses to Sexual Assault Five Studies From 2016 That Could Change Your Future Practice Baby, It's Cold Outside! Bringing the Stop the Bleed Initiative To Your Campus EMS Handoff: What the Trauma Surgeon Really Wants to Know Improving SCA Survival: Time to Act Skills Lab: The Art of Suturing Roundtable: Administrator/Advisor/Medical Director	Annapolis Baltimore Chesapeake A Chesapeake B Columbia Constellation C Constellation D Constellation E Constellation F Frederick President Calvert
10:35 am - 11:35 am	Workshop Session 4 (Page 12) What's New and Exciting? An Overview of Recent EMS Research Understanding and Changing the Culture of Your EMS Organization Promote College Campus Resilience Herniations and Hematoma's: A Review of Brain Injuries Desert EMS Encounters and Hyperthermia Preparing for Emotional Disasters Cutting Edge Hemorrhage Control Street Ethics: Decision Making in Crises Surviving Sepsis and Its Impact on EMS Building Your Own Mobile Hands-Only CPR Strategy Skills Lab: The Real Thing! Hands on Skills Practice with Real Organs Skills Lab: Hemorrhage Control - Stop the Bleed/REBOA Roundtable: Technology Roundtable: Advertising and Campus Media	Annapolis Baltimore Chesapeake A Chesapeake B Constellation E Columbia Constellation C Constellation D Constellation F Fredrick President Conway Calvert Lombard
11:45 am - 12:30 pm	Workshop Session 5 (Page 14) Richard W. Vomacka Student Speaker Competition Hot Topics in EMS Research 4.7 Seconds from Disaster! Brotherhood of the Travelling StatPack Getcha' Head in the Game Oh Baby! University Medical Amnesty Policy Regional Roundtable Discussions	Annapolis Constellation C Constellation D Constellation E Constellation F Frederick Constellation A/B
12:30 pm - 1:30 pm	Lunch	

(Continued on Inside Back Cover)