

# NCEMSF 2020

The 27<sup>th</sup> Annual  
Conference of the  
National Collegiate  
Emergency Medical  
Services Foundation



February 28-March 1, 2020  
Sheraton Boston Hotel  
Boston, MA

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Download the Conference Program App  
<http://my.yapp.us/NCEMSF2020>



## 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 adult professionals that they are and to display the same degree of decency and respect toward other conference attendees, hotel guests, and staff that they would exhibit while responding to campus medical emergencies and interacting with patients.
- 3) Noise production is to be kept to a level appropriate to an indoor hotel environment and is to be respectful of the hour and considerate of the surroundings.
- 4) The consumption of alcohol by those younger than the federal legal minimum drinking age of 21 years as well as the use of drugs or other illegal substances by attendees of any age is strictly prohibited. Open containers containing alcohol are also forbidden in all conference common areas.
- 5) Common areas and private rooms of the host facility are to be left in the same fashion in which they were found upon arrival. Any damage to, or destruction of, property will be the financial responsibility of the offending individuals.
- 6) Participation in conference lectures and activities grants permission for the use of one's image in NCEMSF publications, promotional materials, social media posts and website.
- 7) Conference speakers are experts in their given fields. The information they present and opinions they express, however, are not necessarily those of NCEMSF. Attendees are reminded to follow their prescribed operating procedures and to contact their agency's medical director before changing medical protocol.
- 8) By providing or confirming your mobile phone number during conference check-in you are opting into NCEMSF's emergency notification service. In the event of an emergent situation during the conference, you agree to receive SMS notifications related to the emergency. Only critical messages will be broadcast in this manner.

The aforementioned apply in addition to stated policies of the host facility as well as local and federal laws.

Failure to comply with any of the above may result in eviction from the conference and/or hotel without a refund. Additionally, civil and/or criminal penalties may apply.

Your conference participation attests to your acceptance of the policies listed.

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experience on social  
media using #NCEMSF  
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## President's Welcome

It is my pleasure to welcome you to the National Collegiate EMS Foundation (NCEMSF) Conference. For over a quarter century our conferences have focused on strengthening campus-based Emergency Medical Services. The educational experience gained from the workshops and sessions combined with networking opportunities will enable you to learn and exchange ideas. We hope that you return to your campus energized with new initiatives to implement and creative solutions to problems that you may encounter in the future. I look forward to meeting you at the conference.

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## 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.

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## 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.

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## NCEMSF's Volunteer Leadership - See Bios on Page 44

### ***NCEMSF Executive Officers***

|                          |                                |
|--------------------------|--------------------------------|
| <b>President</b>         | George J. Koenig, Jr., DO      |
| <b>Vice-President</b>    | Scott C. Savett, PhD           |
| <b>Secretary</b>         | Joshua A. Marks, MD            |
| <b>Treasurer</b>         | Michael S. Wiederhold, MD, MPH |
| <b>Director-at-Large</b> | Michael T. Hilton, MD, MPH     |
| <b>Director-at-Large</b> | Yoni Litwok, MD                |

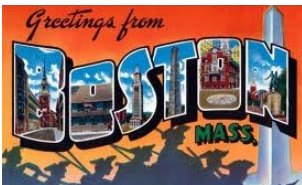
### ***Division Chairs / Coordinators***

|                        |                           |
|------------------------|---------------------------|
| <b>Membership</b>      | Karolina A. Schabzes, MPH |
| <b>National Coord.</b> | Stephen J. Lanieri        |
| <b>Startup</b>         | Joseph M. Grover, MD      |
| <b>Alumni</b>          | Joshua E. Glick, MD       |
| <b>EMS Week</b>        | Jeffrey J. Bilyk, ACP(f)  |
| <b>Emergency Mgmt</b>  | Eric Pohl, NRP            |
| <b>Technologist</b>    | Timothy J. McMichael, NRP |
| <b>Webmaster</b>       | Ian Feldman               |
| <b>HR</b>              | Katie Egan, MD, RN        |
| <b>Editor, JCEMS</b>   | Nicholas M.G. Friedman    |

### ***Regional Coordinators***

|                       |                            |
|-----------------------|----------------------------|
| <b>Canada</b>         | Evan A. Formosa            |
| <b>Central</b>        | Laura Hanson               |
| <b>Massachusetts</b>  | David Afienko              |
| <b>Mid-Atlantic</b>   | Zachary Matuzsan, DO       |
| <b>Midwest</b>        | Lex Martin, RN, CCRN       |
| <b>New York</b>       | Matthew D. Ricci, MPA      |
| <b>North Central</b>  | Lucas Rappert              |
| <b>Northeast</b>      | <i>Available</i>           |
| <b>N. New England</b> | Kate Marquis, MBA, RN, CEN |
| <b>Pennsylvania</b>   | Ryan M. Hay, RN            |
| <b>Southeast</b>      | Gabe Gan, MPH              |
| <b>West</b>           | Tom Renner                 |

## Welcome to Boston - Enjoy Your Stay!



Founded September 7, 1630, Boston is the capital and largest city in the Commonwealth of Massachusetts. With an area just under 90 square miles, Boston is home to approximately 636,500 people. The City of Boston hosts over 12 million annual visitors from across the country and around the globe. This vibrant, thriving city is renowned for its cultural facilities, world-class educational institutions, champion sports franchises, as well as its place at the very forefront of American history.

While many cities are defined by their skylines (The John Hancock Tower, designed by famed architect I.M. Pei, soared skyward in 1975 as Boston's tallest building), Boston is distinguished by its vibrant neighborhoods. Once considered ultra-conservative, Boston has developed a progressive culture and attitude. It has become one of the most exciting places in New England, with excellent culinary hotspots and an abundance of attractions and sights. Historical buildings and parks are national landmarks, and the city boasts the birthplaces of many famous patriots. The city's architectural treasures include brownstones and cobblestone streets, and gas-lamps light the way in many neighborhoods, each with its unique characteristics and reasons to be explored. Boston is also home to the nation's first public park (The Boston Commons 1640), the first public library (1653) and the first subway (1897).

*South End* is home to the city's gay-friendly community and is filled with art galleries and excellent bistros. The *North End* offers a dizzying array of authentic Italian eateries and is home to several summertime Italian festivals.

*Newbury Street* is a swanky, upscale stretch filled with shops, restaurants and cafes. At the end of Newbury, you can people-watch in the Public Garden and "make way for ducklings" on the Swan Boats. Newbury Street runs through the heart of the *Back Bay*, where you will find opulent brownstones. Stroll down the grassy mall on Commonwealth Avenue between Massachusetts Avenue and the Public Garden to get a feel for the way Bostonians lived in the 18th Century. Bordering Back Bay is the Charles River. Near the Boston Harbor Waterfront is *Faneuil Hall Marketplace*, which is an important stop along the *Freedom Trail*. It is a great place for souvenir shopping and photo opportunities.

*Cambridge* is a city unto itself, located opposite Boston along the Charles River. It is best known as the home to Harvard University and Massachusetts Institute of Technology. The city is more colorful, liberal and funky than staid Boston. Central Square in Cambridge is a lively area with cheap ethnic cuisine and perhaps the highest concentration of music clubs and bars in the greater Boston area. Harvard Square is the area just outside of famed Harvard Yard.

### Celebrating the NCEMSF Conference Tradition NCEMSF Conference Locations

1994 - Washington, DC  
1995 - Philadelphia, PA  
1996 - Albany, NY  
1997 - Huntington, WV  
1998 - Hartford, CT  
1999 - Syracuse, NY  
2000 - Newark, DE  
2001 - Rochester, NY  
2002 - Long Island, NY  
2003 - Washington, DC  
2004 - Baltimore, MD  
2005 - Philadelphia, PA  
2006 - Boston, MA  
2007 - Baltimore, MD  
2008 - Philadelphia, PA  
2009 - Washington, DC  
2010 - Baltimore, MD

2011 - Philadelphia, PA  
2012 - Baltimore, MD  
2013 - Washington, DC  
2014 - Boston, MA  
2015 - Baltimore, MD  
2016 - Philadelphia, PA  
2017 - Baltimore, MD  
2018 - Philadelphia, PA  
2019 - Pittsburgh, PA  
2020 - Boston, MA

**Future Conferences:**  
**2021 - Baltimore, MD - February 26-28**

## Pre-Conference Workshop - Friday, February 28, 2020

1:00 pm - 4:00 pm *Pre-Conference Workshop*

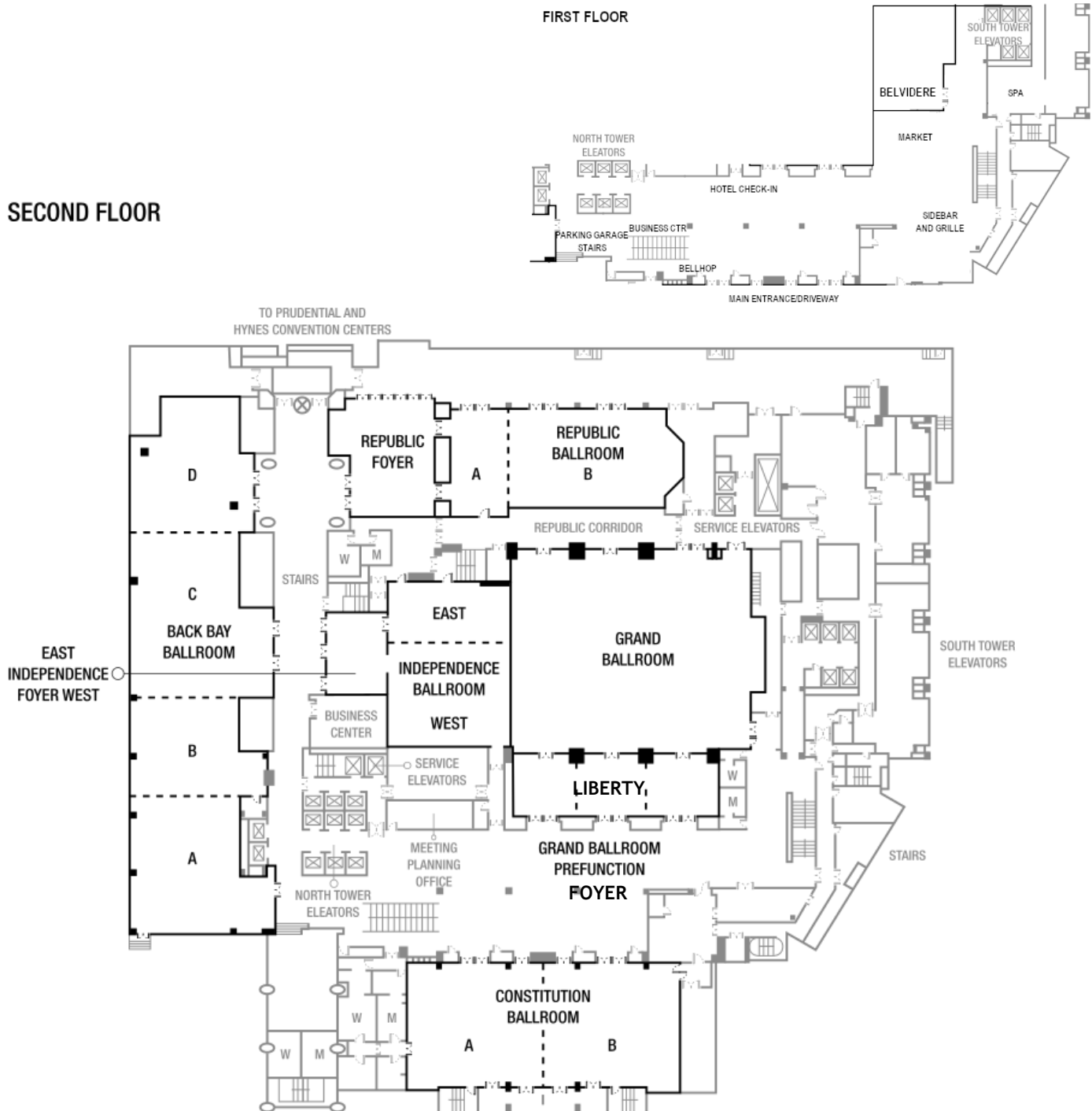
*Back Bay A*

### The Rescue Task Force: Patient Management in the Tactical Environment

*Eric Pohl, NRP and Ryan M. Hay, RN, NCEMSF Emergency Management Team*

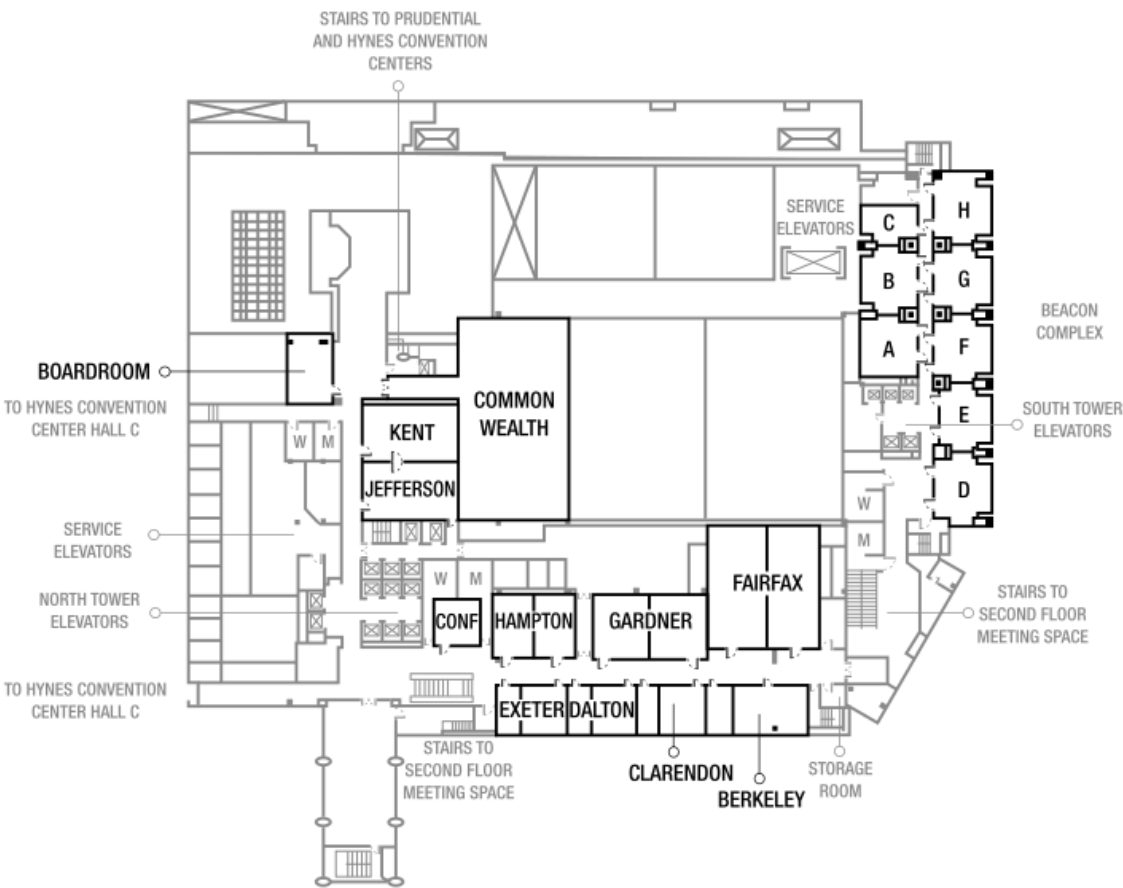
EMS and law enforcement are currently undergoing a paradigm shift for how they respond to active threat scenes. Efforts are being made to reduce the time it takes both police and EMS responders to enter a scene and reach victims while maintaining responder safety. One concept that is gaining acceptance is the Rescue Task Force: EMTs being escorted into areas of a scene by law enforcement to quickly render aid to victims and evacuate them, even while tactical units may still be active in other portions of the scene. This three-hour awareness-level course is designed to introduce some of the components of the Rescue Task Force model, including personal protective equipment used during response to active threat scenes, patient movement and evacuation techniques, and practical medical skills that can be life-saving when applied quickly. Regardless of the policies of your agency or your campus police department, the lessons learned during this Pre-Conference Workshop can be applied to all types of scenes and patients. *Separate pre-registration and payment required.*

## Sheraton Boston Hotel Floor Plan

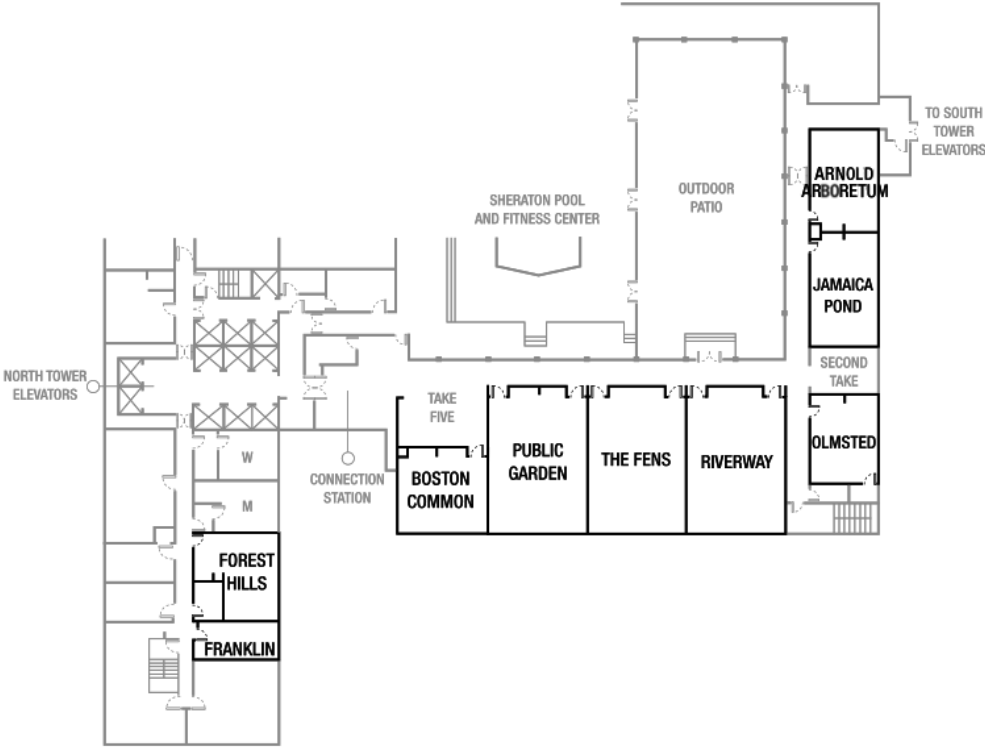


# Sheraton Boston Hotel Floor Plan (Continued)

## THIRD FLOOR



## FIFTH FLOOR ONLY ACCESSIBLE FROM THE NORTH ELEVATORS



Please visit our sponsors, exhibitors, and educators Saturday and learn more about their products, programs and services in the Grand Ballroom Foyer. Complete your ExhibiTOUR Raffle Card for a chance to win great prizes.

## Sponsors

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www.strykeremergencycare.com

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Micah Bongberg,  
VP of Commercialization  
www.avive.life



## Exhibitors

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www.ameriprise.com



**Brewster Ambulance**  
www.brewsterambulance.com



**Code 1 Training Solutions, LLC**  
www.code1web.com



**Common Cents EMS Supply**  
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**eSchedule**  
www.eschedule.ca



**HomeWorks Energy**  
www.homeworksenergy.com



**Jones & Bartlett Learning and Public Safety**  
www.jblearning.com



**New York College of Podiatric Medicine**  
www.nycpm.edu



**National Outdoor Leadership School (NOLS)**  
www.nols.edu



**Prodigy EMS**  
www.prodigyems.com

**Pro EMS and Center for Medics**  
www.proems.com  
www.centerformedics.com



**CENTER FOR MEDICS**



**Responder Admin**  
www.responderadmin.com



**Save Station**  
www.savestation.ca



**Sterling Rescue**  
www.sterlingrescue.org



**US Army**  
www.army.mil

**ZOLL Medical Corporation**  
www.zoll.com



## Professional Associations

**Sudden Cardiac Arrest Association**  
www.suddencardiacarrest.org



## Web Hosting



## Messaging Services



## Gifts in Kind



## Conference Schedule - Friday, February 28, 2020

### 3:30 pm - 10:00 pm *Conference Check-in*

*Grand Foyer*

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

### 5:00 pm - 11:00 pm *Stryker EMS Skills Classic*

*5th Floor North*

Showcase your organization's medical knowledge, problem-solving skills, and teamwork in this exciting activity. Pre-registered and non-registered teams alike (space remains for all schools to participate!) 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. 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. Don't miss out on this cornerstone NCEMSF Conference experience -- we would love for each school attending to participate. Trophies will be presented to the overall winners of this always fun-filled event on Saturday evening.

### 5:30 pm - 6:00 pm

#### *How to Make the Most of the Conference Experience*

*Liberty*

*Joseph M. Grover, MD, NCEMSF Startup Coordinator*

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

### 6:00 pm - 7:00 pm *Workshop Session 1*

#### *COVID-19 Coronavirus:*

*Back Bay A*

#### *The New Age Outbreak and the Global Response*

*Michael Overmyer*

In the event of a national or international outbreak, EMS can come into contact with infected patients. This presentation will provide a current overview of the Corona Virus pandemic and how the United States, China, and the world are responding. We will also discuss best practices for EMS on how to get reliable information relating to ongoing outbreaks and how to protect personnel in the field. Lastly we will discuss how EMS can help identify health patterns in their service jurisdictions. *CE Code: 311A*

#### *Leadership: Lessons Learned*

*Back Bay B*

*Constantine Sypsomos*

Leadership: Lessons Learned brings the student a basic and easy understanding of leadership traits, good and bad leadership tactics, and case studies of leadership at its best and worst. The students will have a chance to have an open forum and discuss leaderships issues they have encountered and how to overcome them. *CE Code: 311B*

#### *Forged by the Staff, Star and Serpent*

*Back Bay C*

*James Dlutowski, NRP*

EMS providers, along with many other first responder, healthcare, social service and military roles can often result in permanent changes in the provider's personality and compassion. All too often, these changes are negative and become deeply ingrained in the provider's life both inside and outside of work. This session discusses how we can convert our traumatic experiences into building a better personal future, while lifting each other up and growing closer together along the way. *CE Code: 311C*

#### *The Basics of Common Laboratory Studies*

*Independence E.*

*Chris Wend, NRP, FP-C*

Have you ever looked through a long list of your patient's lab findings, confused as what the significance is of the values? EMS providers are often handed these documents but are rarely taught what they mean. Come learn the most common laboratory studies used in medicine and leave feeling confident in your ability to interpret these numbers on your next call. *CE Code: 311E*

#### *EMS Care on the Bleeding Edge*

*Independence W.*

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

EMS agencies are positioned on the front lines of trauma care. Beyond hemorrhage control, few EMS interventions have been linked to improvements in survival. Discuss how EMS treatment protocols might evolve to reflect best practices in prehospital trauma care. Engage in group discussion about the role of whole blood, interventional treatments such as REBOA, and plasma administration in the setting of traumatic injury. *CE Code: 311D*

## Conference Schedule - Friday, February 28, 2020

### 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. Share your successes and failures and learn from one another. Continue conversations throughout the conference weekend and the year.

#### Roundtable: Startup

*Liberty*

*Joseph M. Grover, MD, NCEMSF Startup Coordinator*

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learn at this year's conference and helping them determine the next steps in solidifying their fledgling organizations. *CE Code: 311F*

### 7:10 pm - 8:10 pm Workshop Session 2 Emerging Infectious Diseases and EMS

*Back Bay A*

*Andrew Rosenblum, MSPH, CPH*

As frontline healthcare providers, EMS faces continuous challenges with (re)emerging infectious diseases. In this session we will cover measles, ebola, the flu and more. Why were we able to eradicate smallpox, but measles can't seem to go away? What protocols have EMS agencies implemented to respond to highly infectious diseases? Finally, what biological threats continue to emerge as we enter the next decade? Join this session to find out. *CE Code: 312A*

#### The Power of the Peer

*Back Bay B*

*James Boomhower, FP-C, NR-P, CCISM*

In "The Power of the Peer" Flight Paramedic and Peer support specialist James Boomhower discusses the tremendous power of peer support in helping clinicians in real-time using case-based scenarios and discussing the interventions that take place. James also discusses the effects of the absence of peer support and mental health awareness and how individuals, clinicians, programs and the profession as whole can be deeply affected through loss of hours, jobs and lives. *CE Code: 312B*

### Important EMS Research from 2019-20: Ten Minutes at a Time *Back Bay C*

*Kenneth Navarro, MD*

This fast-paced presentation will review the results of five research studies published in 2019/2020 that may change the way EMS personnel care for patients in the near future. This session will review the results of The PRINCESS Randomized Clinical Trial (Trans-Nasal Evaporative Intra-arrest Cooling), address the question of whether the current trend away from spinal motion restriction is placing patients at risk, whether PEA is a workable rhythm following traumatic injury, how the type of airway chosen affects cerebral blood flow in cardiac arrest, and whether the use of ambulance warning lights increase the risk of a crash. *CE Code: 312C*

### Exposure Related Illnesses: Presentation and Initial Management

*Independence E.*

*Johannah Merrill, MD*

Exposure related illnesses are completely preventable, however, every year in the United States over 1,300 people die from hypothermia while an average of 600 people die from heat related illnesses. Regardless of where EMS providers practice, they will need to deal with patients who suffer from exposure related illnesses. Hyperthermia may be more common in certain regions while hypothermia is prevalent in others, but many areas will provide the opportunity for both presentations depending on the time of year and providers should feel comfortable dealing with any illness along the spectrum. This lecture will provide an overview of the presentation and management of exposure related illnesses in the prehospital environment. *CE Code: 312E*

### 911 What's Your Emergency? Tourniquet Training at the PSAP *Independence W.*

*Robert Waddell*

40 years ago Peter Rosen stated, "All Bleeding Will Stop . . . Sooner or Later!" This presentation will discuss an overview of the process EMD Call Takers provide in "just in time" tourniquet application during a critical event. The potential of responding to an event encompassing your "Stop the Bleed" training, Active Shooter preparation, and Mass Gathering planning is now more likely than ever before. The placement of bleeding control kits in multiple locations also increases the likelihood that EMD and YOU will have to teach the "instan-a-stander", how to apply a tourniquet now! This lecture will highlight the opportunity to train someone "just in time." *CE Code: 312D*

## Conference Schedule - Friday, February 28, 2020

### Panel: Chiefs and Presidents Leadership

Liberty

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

This panel discussion designed for squad chiefs and presidents will be devoted to addressing campus leadership issues and sharing problem solving strategies. Several campus based EMS chiefs and presidents from a variety of different types of agencies have been selected to sit on the panel to help drive the discussion, which will hopefully continue throughout the weekend. *CE Code: 312F*

### 8:20 pm - 9:20 pm Plenary Session

Grand Ballroom

#### Active Shooter/Hostile Event Response Standards for Collegiate EMS

*John Montes, NREMT*

This session will focus on the application, implementation and use of NFPA (National Fire Protection Association) 3000, a voluntary consensus standard focusing upon active shooter / active assailant response scenarios. Released in spring 2018, the scope of NFPA 3000 is to provide the minimum criteria for the level of competence required for responders organizing, managing, and sustaining an active shooter and/or hostile event preparedness and response program based on the authority having jurisdiction's function and assessed level of risk. The Technical Committee reflects all elements of the emergency response community, including law enforcement, fire, EMS, healthcare and the public. *CE Code: 331A*

### 9:15 pm - 1:00 am Welcome Social and Mixer

Constitution

#### *Sponsored by Philadelphia College of Osteopathic Medicine*

Mingle with other collegiate EMS responders as they arrive. Challenge yourself to see how many people you can talk to in a short period of time - it is freshman orientation all over again! Enjoy the refreshments, 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.

#### *Stryker CPR Challenge*

Test your strength, endurance, and precision using Stryker's TrueCPR Coaching Device against the Stryker 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.



### A Note about NCEMSF Lectures

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

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

**All Skills Labs are LIMITED TO 25 PARTICIPANTS.** Sign-ups for these Skills Labs are *online (ncemsf.org/skills-labs)* only beginning at 7am on Saturday.

- Log into the NCEMSF website.
- Pick the Conference Skills Labs link from the Conference menu.
- Select **one** Skills Lab and add it to the cart. From the cart page, press Finish to finalize your registration.
- If you wish to sign up for additional Skills Labs, return to the Conference Skills Lab link under the Conference menu and repeat this process.

To ensure that skills labs are available to all attendees, you are limited to **one sign-up per transaction**. In addition, the system will not let you sign up for two Skills Labs occurring at the same time. When a Skills Lab has reached maximum capacity, sign-up will no longer be available. All attendees must sign themselves up individually.

For Skills Labs that have reached capacity, no formal waiting list is available. In lieu of a waiting list, you may choose to form an orderly line outside the Skills Lab room and the proctor or instructor will let in additional students as space allows.

## Conference Schedule - Saturday, February 29, 2020

- 7:00 am** *Late Conference Check-in* *Grand Foyer*
- 7:15 am - 8:30 am** *Continental Breakfast* *Grand Foyer*
- 7:45 am - 8:15 am** *Group Introductions / Meet & Greet* *Grand Ballroom*  
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, 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. Milestone anniversary awards will be presented at this time.
- 8:15 am - 9:15 am** *Plenary Session* *Grand Ballroom*  
**Beyond Our Borders: How EMS and High-Threat Operations Intersect**  
*Michael Schon*  
In an increasingly dangerous world, ever wonder who keeps Americans safe abroad, and how our government handles crisis? The Diplomatic Security Service (DSS) is the lead US law enforcement and security organization abroad, and the most widely represented agency in the world. Sometimes referred to as “half diplomat, half warrior,” DSS Special Agents investigate fraud, organized crime, and human and sex trafficking; counter terrorism and espionage; hunt down violent fugitives; serve high-risk warrants; protect world leaders; and safeguard people, property, and information of the United States at home and abroad. As both a highly trained Federal Law Enforcement Agent and an EMT for the State Department, Special Agent Schon offers an inside look to this global crisis response agency, and a unique perspective to providing EMS in high threat environments and life-saving care under fire. *CE Code: 332A*
- 9:25 am - 10:25 am** *Workshop Session 3*  
**The Anatomy of A Trauma Call** *Belvidere*  
*Adam Fox, DO*  
Trauma patients pose their own special challenges to the prehospital provider. There are several important factors that go into the decision to make a patient a trauma activation, which will be reviewed in this talk. Using case presentations, important aspects of patient care will be addressed as will the specific information that the trauma team requires. *CE Code: 313A*
- "I Think I See The Cords?": How to Overcome A Difficult Airway** *Back Bay A*  
*Christian Grant, NRP, FP-C*  
Airway management is easy when...it's easy. What about when the view is poor/absent or difficult to obtain? In this lecture, we will review the basics of managing a difficult airway. The lecture will start with the basics of BLS airway management and primarily cover ALS maneuvers in airway management as well as a systemized approach to overcoming a difficult airway. This lecture will include recorded video demonstrations of these techniques on cadavers, in addition to lecture material to provide comprehensive coverage of this often overlooked part of airway management. *CE Code: 313B*
- Morbidity & Mortality: What's Hurting & Killing EMS Providers** *Back Bay B*  
*Drew Anderson, PhD, EMT*  
EMS is a dangerous profession; work-related injury and fatality rates for EMTs are higher than most professions. Yet, a few causes underlie the majority of injuries and deaths we see in EMS providers, and many of these injuries and deaths are preventable. This presentation reviews the data on rate of injury and death in EMS, discusses the most common causes of injury and death in EMS providers, and suggests solutions for preventing these injuries and deaths. *CE Code: 313C*
- What the !@#?! That's WILD!** *Back Bay C*  
*Benjamin Abo, DO, PMD, EMTT, FAWM*  
All over the world, humans continue to encroach on natural habitats. On top of this, for research, work, or pleasure people keep a variety of wildlife. It does not take much for instincts or bad moves on the part of the human to instigate an unfortunate event. We will talk about REAL stories from filming nature documentaries and REAL encounters with wildlife in the collegiate and residential environments and dispel the myths. *CE Code: 313D*
- What's Up With Heads Up, The Future of CPR?** *Back Bay D*  
*N. Alex Cutsumbis, NRP*  
Cardiac arrest management has changed over the years with modifications to shock sequences, compression/ventilation ratios, and medication regimens. Many of the major components have remained the same, however. Heads up CPR may provide improved patient outcomes. This lecture will review the current CPR practices in comparison to what heads up CPR may provide. *CE Code: 313E*

## Conference Schedule - Saturday, February 29, 2020

### Creating a Protocol for Intoxicated Patients: A DIY Adventure *Constitution A* *Thomas Goode, MS, NREMT and Michael Hilton, MD, MPH*

Virtually all collegiate EMS providers encounter a college-aged patient intoxicated from the classic “two beers.” While these patients may require evaluation by prehospital providers, hospitalization for some may be unnecessary and these patients may be allowed to refuse further care and transport. Yet, in the age of liability where collegiate agencies face scrutiny from college or university administrators in addition to medical directors, facilitating a patient refusal is often difficult and inherently risky. This presentation explores the multi-year evolution of Carnegie Mellon University’s agency-specific alcohol refusal protocol from an initial, unofficial set of criteria to a comprehensive, research-based policy developed and iterated between multiple agencies and departments. This lecture will review the medical and legal essentials for evaluating intoxicated patients, offer guidance and criteria useful to determining patient outcomes, and provide agencies with the necessary elements to think critically about their own processes for allowing intoxicated patients to refuse transport. *CE Code: 313F*

### Cat Got Your Tongue? *Constitution B* An Introduction to Communicating with the Critically Ill Patient *C Lombardi, RN, CCRN*

A thought provoking discussion about how our ability to communicate with patients and colleagues can impact outcomes. We will look at the basic tenets of verbal judo, and therapeutic communication - reviewing how you can enhance your skills as a provider with these tools. *CE Code: 313G*

### We Need You! *Independence E.* Campus EMS Today, Unlimited Opportunities Tomorrow *Megan Hollern, MA, BSN, RN, NRP*

The future of EMS is rapidly changing, and you are an important part of that change. This presentation demonstrates the value you provide every day along with a discussion on the past, current, and future state of EMS. Participating on a campus EMS team is just one step in building your future. There are several opportunities on campus, at the state level, and even on the national front. Finally, you will learn how to get involved and be an active participant to make a lasting impact in your future and the future of EMS. *CE Code: 313H*

### Street Ethics: Decision Making in Crises *Independence W.* *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. *CE Code: 313I*

### Hacking Body Language for Healthcare Providers *Commonwealth* *Koralia Burz, MS*

How adept are you at reading body language? Do you know of tools and tricks you can use to help you diffuse an adverse situation just by subtly changing the way you stand? In this talk we will focus on discussing ways of understanding body language better, and how to maneuver subliminal communication. *CE Code: 313J*

### Roundtable: Engaging Your Alumni Network *Public Garden* *Joshua E. 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. *CE Code: 313P*

### Roundtable: Administrator/Advisor/Medical Director *Riverway* *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. *CE Code: 313Q*

## Conference Schedule - Saturday, February 29, 2020

### Skills: Going from “Life or Limb” to “JUST SAVE THEIR LIFE!!!” *Arnold Arboretum* *Robert Waddell*

There was a time not long ago when EMS was banned from applying an extremity tourniquet until they tried EVERYTHING else: pressure points, pressure dressings, direct pressure, and then a combination of them all. What has changed? This presentation will look at the current science behind the push to use tourniquets to save people's lives and how this simple tool and technique is doing just that. We will discuss the anatomy below the tourniquet, how a properly applied tourniquet reduces blood loss, the current protocol recommendations, and what every EMS provider should be promoting in their own communities. *CE Code: 313K*

**\*\* 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-ups for these Skills Labs are online ([ncemsf.org/skills-labs](https://ncemsf.org/skills-labs)) only beginning at 7am on Saturday (see page 10 for details)**

### Skills: Patient Handoffs: How to Not Sound Like an Idiot *Olmstead* *Ryan Desrochers and Meghann Zapcic*

80% of serious medical errors can be traced back to poor communication between providers, especially during the transfer of care from one provider to another. Quality patient handoffs are essential to quality patient care. In this talk we will go over the makings of a strong yet succinct oral presentation, from the content you should and should not include, to the order in which emergency physicians are expecting to hear it. We will go through several example cases and practice presenting within small groups so that the next time you drop your patient off in the ED, the docs won't gossip about your awful presentation after you have left (Yes it happens). *CE Code: 313M*

### Skills: Mini-Bushmaster at the NCEMSF Conference! *Jamaica Pond* *Robert Liotta, MD*

Bushmaster is the capstone learning experience for students at the Uniformed Services University. Held in the woods of central Pennsylvania over the course of five days, students stay in barracks and tents while engaging in medical simulation exercises. These exercises teach students medical teamwork while also helping them learn to lead themselves and one another through increasingly difficult adaptive medical challenges. These challenges require students to administer medical care while dealing with the resource constraints of an austere deployment environment. We will provide a version of this Bushmaster training to the NCEMSF Conference. While with us, you will learn how to triage combat casualties, provide ATLS level care, and understand some of the principles in providing the best medicine possible in a resource constrained setting. Try your hand at intubating a critically injured patient in need of a definitive airway and help a patient with life-threatening bleeding. Use a laryngoscope; visualize vocal cords and place an endotracheal tube. Use combat application tourniquets to stop bleeding. Do you have what it takes for military medicine? Find out here. *CE Code: 313L*

### Collegiate Resuscitation Officer Program - Part 1 *Liberty*

Cardiac arrest often strikes seemingly healthy individuals without warning and without regard to age, gender, race, or health status. In this three part program, participants will explore the opportunities for implementing cardiac arrest guidelines, innovations and best practices in cardiac arrest systems of care. This immersive program, supported by the Citizen CPR Foundation features a diverse and experienced faculty roster and is designed to give attendees the information, insight and best practices to improve out-of-hospital cardiac arrest resuscitation outcomes in a collegiate setting. Faculty: James Souzi, DO, Richard Shok, RN, Mark Forgues, MEd, Sarah Lamb, Kori Burz, and David Hiltz Those attending all three sessions will receive a certificate from the Citizen CPR Foundation. *CE Code: 313N*

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

### Saving the Unsavable - *Belvidere* Treating Junctional Injuries Without a Surgeon *Robert Waddell*

This presentation will take an in-depth look at why junctional tourniquets were developed, where they were initially applied, and what is the current value they bring to EMS in ALL environments. Proximal amputations, penetration wounds, and devastation from blasts are all common injuries seen in the prehospital environment yet previously had few treatments. New devices and techniques will be demonstrated that are proving their importance by saving lives on the battlefield and at home as well. *CE Code: 314A*

### Capnography: Not Just for the Airway *Back Bay A* *Kenneth Navarro, MD*

Arguably, capnography is one of the most important advances in modern EMS medicine. While most medics are familiar with the value of waveform capnography for airway management, the technology provides a reliable glimpse into the metabolic state of any patient. This presentation will review the physiology that produces a capnography waveform and use a case-based format to explore the value of capnography in a patient suffering from a drug overdose. *CE Code: 314B*

## Conference Schedule - Saturday, February 29, 2020

### Collegiate EMS and the Social Determinants of Health

*Back Bay B*

**Mark Milliron, MS, MPA, MHS**

This presentation will discuss what institutional factors at colleges and universities may impact health status. These may include the cost of school and lack of funding, students' work schedules, and other barriers to education; issues of equity; insecurities such as food and housing; health status of students including physical, mental, substance use, and health-related lifestyles; the environment such as sleep, violence, physical activity, and diet. Campus EMS can be a partner in helping to address SDOH. EMS can serve in a screening role, mobile integrated health care (community paramedicine) can have an impact, EMS can link patients to community resources such as food pantries and social service, and EMS data can be analyzed to identify patterns and trends. *CE Code: 314C*

### Going with the Flow: LVAD Management for EMS

*Back Bay C*

**Justin Lonczak, MSN, CCRN, EMT-P**

Walking, talking, and no pulse! Heart failure is a growing concern in healthcare with many more patients requiring heart transplants than ever before. Enter LVAD! The left ventricular assist device partially takes over the work load of the left ventricle and provides an avenue for recovery and bridge to transplant for the sickest of heart failure patients. This lecture will cover the various devices currently on the market. It will also dive into the basic alarms and the management of various patient scenarios that could be encountered by the EMS provider. *CE Code: 314D*

### CPR Superheroes Assemble!

*Back Bay D*

#### Overcoming the Barriers of Bystander Initiated CPR

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

The Problem: Bystander CPR is initiated in only 28.6% of cases of out of hospital cardiac arrest despite the fact that victims only have a short window of time to survive this event. Victims depend on the prompt delivery of CPR, defibrillation, and Advanced Life Support. Women and minorities receive bystander initiated CPR at much lower rates than males and white victims of cardiac arrest. Beyond this, bystanders, including ones that have received CPR training, fail to act in situations requiring CPR due to various fears - including that they may hurt the victim. The Solution: Understanding and overcoming the obstacles to bystander initiated CPR through approachable public education. Code One Training Solutions, LLC is an American Heart Association Training Center that has approached the barriers to bystander initiated CPR in a very unique way. They recruit CPR Superheroes and empower them with the knowledge and skills to save a life. *CE Code: 314E*

### Not Your Granddad's Documentation Course

*Constitution A*

**John Mercun, MA, EMT**

Charting - ugh! What a pain. You may think: "I'm never going to get a blue ribbon or gold star for a great chart (although you should!) so why do I have to worry about it so much? The patient is in good care, I'm a good provider, why worry about that chart?" Here's why: the fact remains that many agencies and providers find themselves in hot water due to poor/erroneous/lazy charting. This session (taught by a really entertaining guy, by the way) will review: the "why" and "how" of documentation, methods to make a good narrative a great one plus risks, rights, refusals and the rest. This is not your Granddad's documentation course! *CE Code: 314F*

### Not Throwing Away My Shot!:

*Constitution B*

#### Vaccine-Preventable Diseases on Campus

**Kathryn Ahnger-Pier, MPH**

Vaccines have been hailed as one of the greatest achievements in public health, greatly reducing morbidity and mortality from multiple diseases around the world. However, the incidence of many of these diseases is increasing in the US, including among young adults and college students. This presentation will cover the biology and epidemiology of vaccine-preventable diseases that have been occurring (or have the potential to occur) on college campuses, including mumps, meningitis, and pertussis. Additional considerations, including routine vaccine recommendations for both students and healthcare personnel, as well as special considerations for first responders will also be discussed. *CE Code: 314G*

### Oooh, Ahhh, OH! How Could THAT Have Happened?

*Independence E.*

**Becky Valentine, EMT-P, NCEE, MA I/C**

This session is not for the faint of heart. We will be looking at different trauma pictures and attempting to figure out exactly what the patient said happened. Let's see how well you think outside the box on causation. *CE Code: 314H*

### Expanding the Role of First Responders in the Opioid Epidemic

*Independence W.*

**Kathleen McHugh, MPH and Erin Straw, MPH**

First responders are on the front lines of the opioid epidemic, yet this population is not fully equipped to address the root cause of this national crisis. As a result, burnout and turnover impact the EMS workforce and communities continue to be plagued by addiction. This session will provide an overview of the University of Pittsburgh Program Evaluation and Research Unit's Strategies to Coordinate Overdose Prevention Efforts

## Conference Schedule - Saturday, February 29, 2020

(SCOPE) First Responder program. The goal of this program is to institute a sustainable and expandable training program that will train EMS first responders on expanded services such as: universal screening and referral of at-risk patients and follow-up procedures with patients who do not wish to pursue treatment. You will learn how the integration of universal screening and referral into EMS workflow is feasible through education and ongoing technical assistance. **CE Code: 314I**

### The Night I Almost Jumped: EMS Culture and EMS Suicide Commonwealth *Matthew Giacomelli, NRP*

A look into the reasons why an EMS provider may contemplate, and ultimately attempt suicide. Case studies, including that of the presenter, will be discussed. The stigma surrounding mental health in emergency services will be chipped away. Coping mechanisms, and tips on building resiliency will be presented, in hopes that attendees will have the tools to take care of their own mental health, and recognize the signs of PTSD. **CE Code: 314J**

### Roundtable: Technology Public Garden *Scott C. Savett, PhD, NCEMSF Vice President and Chief Technology Officer*

There's no doubt that technology has become an integral part of EMS in the last two decades. We've gone from pen and paper patient care reports to tablet-based ePCRs. Analog radio pagers have been replaced with smartphone apps such as Active 911 and Slack. This roundtable workshop will discuss some of the current hot topics in EMS-related technology and dive into areas of interest expressed by the attendees. **CE Code: 314K**

### Roundtable: EMS Research Design & Execution Riverway *Nicholas MG Friedman and Joe Caruso, Journal of Collegiate EMS* *Michael T. Hilton, MD, MPH, NCEMSF Director-at-Large*

Research provides an exciting means to contribute to the advancement of knowledge in collegiate EMS and the broader medical field. Conducting research also opens up significant opportunities for travel, networking, and career development. Research can be fun, challenging and rewarding. Our goal for this session is to get you started on the path to conducting research and to help you get past some of the challenges. Secondly, the session provides an opportunity for attendees to network with experts. In this panel discussion, we will focus on the major steps of performing a successful research project from start to finish. Talented and successful EMS researchers, many of whom started as collegiate EMS providers, will cover critical topics, including the identification of a research mentor, generation of a research question, study design, the role of institutional review boards, and submission for presentation and publication. The panelists will conclude the discussion with a lively Q&A session to prepare attendees to embark on their research journeys. **CE Code: 314L**

### Skills: Mini-Bushmaster at the NCEMSF Conference! Jamaica Pond **CE Code: 314M**

### Collegiate Resuscitation Officer Program - Part 2 Liberty **CE Code: 314N**

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

### *19<sup>th</sup> 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.*

### Alcohol, Drugs and Mosh-pits, Oh My: Belvidere Large-Venue EMS Training Program *Elana Everett, Enzo Plaitano and Sarah Golden - Boston University*

Collegiate EMS agencies often provide coverage at large-venues, such as concerts and sporting events. Environmental conditions make EMS coordination difficult, as loud music prevents efficient communication between medical staff. Dark and intense strobe-lighting makes it difficult to locate patients and effectively perform any medical interventions. Patients often have to be extricated from the crowded concert floor or within narrow venue seating before medical care can be provided. In this workshop, participants will practice extrication techniques common within large-venues, determine the best location to initiate patient treatment, and learn how to navigate masses of bystanders that hinder patient care. In addition, participants will learn to adapt traditional patient assessments to handle the wide variety of patient severities seen within the large-venue setting. Participants will also practice adapting typical radio and verbal communication into non-traditional methods that will allow for better organization of responses and triage. The session will include a brief lecture followed by hands-on extrication and communication skills incorporated into simulated scenarios. **CE Code: 315A**

## Conference Schedule - Saturday, February 29, 2020

### Caring with Compassion: Why Social Justice Matters to EMS *Back Bay A*

*Allison Leopold - Macalester College*

In the emotionally-charged world of EMS, it's easy to distance ourselves from patients in order to stay objective. However, in opting for this distance, we often sacrifice the care and compassion that is fundamental to treating patients. In response to recent claims that healthcare workers should "stay in their lane" with regard to social issues, this lecture will discuss the intrinsic relevance of social justice to EMS. We will touch on EMS care of transgender individuals, navigating important vocabulary and learning to avoid stigmas and stereotypes. We will also discuss mental health calls as they pertain to college campuses, alongside learning to be advocates for substance abuse patients. These skills—as relevant to patient care as taking vitals and histories—cannot be too refined as we learn to be better, more compassionate EMTs in an ever-growing world of social change. *CE Code: 315B*

### Have We Been Killing Our Patients?: The Story of Pulmonary Hypertension

*Back Bay B*

*Matthew Kent, NRP and Zachary Blickley, NRP - University of Pittsburgh*

Pulmonary hypertension is a chronic disease associated with significant morbidity and mortality, responsible for approximately 15,000 deaths per year in the United States. Over the past several decades, medicine has increasingly recognized the role of pulmonary hypertension in the treatment of patients in the emergency department—specifically in shock resuscitation. Although research and clinical recommendations have become more prevalent in the emergency department, this has not translated to the prehospital setting where pulmonary hypertension is still infrequently discussed. Failure to understand the pathogenesis of acute decompensated pulmonary hypertension creates the potential to cause harm through standard resuscitation practice. In this session we hope to present a logical and evidence-based approach to the identification and management of decompensated pulmonary hypertension in the out-of-hospital arena. *CE Code: 315C*

### How to Communicate Effectively With Athletic Trainers

*Back Bay C*

*Mia DiMartino - SUNY Cortland*

SUNY Cortland is home to 26 Athletic teams and has a large recreational sports program, as a College EMS agency it is important to know how to work with your athletic trainers if there is a medical emergency with athletes. Lack of communication with the athletic trainers can cause problems when there is a medical emergency with an athlete. In this presentation, attendees will learn how to effectively communicate and learn the role of athletic trainers in an emergency situation. Athletic trainers are an important part of every college campus but, knowing how to start the conversation about patient care is important. SUNY Cortland EMS has had successful communication with our own athletic trainers. We would like to help other college EMS agencies do the same. *CE Code: 315D*

### Intimate Partner Violence: Public Health Crisis Hidden in Plain Sight

*Back Bay D*

*Gwynn Marsh-Armstrong - Vassar College*

College students experience violence in their intimate relationships at a rate of 20 to 30%, making them one of the demographics most impacted by intimate partner violence in the United States. In fact, females between the ages of 16 and 24 are roughly 3 times more likely than the rest of the population to be abused by an intimate partner. The prevalence of intimate partner violence on college campuses is nothing short of a public health crisis. That being said, many collegiate EMS organizations lack the proper training to teach their providers about the complexities of intimate partner violence. It is crucial to understand the complicated dynamics that underly relationships characterized by intimate partner violence in order to comprehend the ways in which its victims face higher health risks. This presentation will explore these issues and give you the basis of information required to develop more meaningful trainings and procedural changes within your EMS agencies. *CE Code: 315E*

### Suicide Prevention on College Campuses: The Critical Role of EMS

*Constitution A*

*Julia Debertin and Michael Dente - Tufts University*

Suicide attempts and deaths have increased in prevalence on college campuses, necessitating greater attention to mental health crises and their prevention. Suicide prevention can be divided into primary, secondary, and tertiary levels, with EMS care serving a critical role in each. In our response, mental health emergencies present unique considerations for addressing patient life threats, emotional needs, and transport decisions. Proper scene management, empathetic patient interaction, and directed questioning are critical in responding to suicide-related emergencies and can be neglected components in traditional EMS response. Following EMS response to suicide, easily accessible resources should be provided for both the responders and the patients. The patients can find resources at the university level, the regional level, and the national level. In turn, responders can seek debriefing opportunities, individual or group counseling, and continued follow-up after the call. This presentation aims to highlight the immediacy of this concern for the mental well-being of students on college campuses and to underscore the unique role we play as first responders. *CE Code: 315F*

## Conference Schedule - Saturday, February 29, 2020

### Teaching and Responding... But Not Responding

*Constitution B*

*Michael Steflovich and Juliet Winther - The University of Tampa*

Operating a collegiate EMS system that is education-based can bring many benefits to the campus community, but can also bring about its challenges. Between delivering exciting and educational content to members and demonstrating life-saving skills to the campus community, the education-based collegiate EMS system has much more potential. Empowering your membership to push themselves to do more can help gain recognition from many. One goal some education-based and start-up collegiate EMS systems have is to provide EMS to their campus community. But what if your campus gives you a lot of push back or rebuttal from campus administrators? Managing these obstacles and developing creative solutions can grow and strengthen your system and your relationship with campus administrators. *CE Code: 315G*

### Stop the Bleed: Steps to Safeguarding the College Campus

*Independence W.*

*Truelian Lee and Kathleen Ran - Harvard University*

In response to the increasing frequency of mass casualty events, the Stop the Bleed campaign was developed to educate the general public in emergency bleeding control. Implementing these precautionary measures on college campuses, often areas of high population density, can foreseeably have life-saving benefits. The dual role of collegiate EMTs as medical professionals and students places them in a unique and critical position to educate university staff and students in emergency bleeding control. CrimsonEMS spearheaded the effort to implement Stop the Bleed on Harvard University's campus. This workshop analyzes how CrimsonEMS navigated gaining support from the university administration and primed its EMTs to serve in an educational capacity. Furthermore, it explains how pre-existing social and geographical structures at the university were utilized to organize educational outreach events for undergraduates. *CE Code: 315H*

### Mentorship in a Collegiate EMS Agency

*Commonwealth*

*Daria Pronina - Binghamton University*

We all remember that one good mentor that we once had. What made that mentorship experience so good? This session will examine the importance of mentorship in a Collegiate EMS Agency. We will explore what makes one a good mentor and discuss some of the qualities that are essential for a good instructor. We will touch upon training geared specifically towards those working closely with college population and how precasting with a peer could be beneficial for a new EMT. We will also discuss many outside resources that could serve as great mentorship opportunities for your collegiate EMS agency. *CE Code: 315I*

### Regional Roundtable Discussions

*Grand Ballroom*

*NCEMSF National and Regional Coordinators*

The NCEMSF Regional Coordinators invite squad leaders to meet with them and other leaders in their geographic region. Attendance will help organizations to grow within NCEMSF and allow NCEMSF to better serve its constituents. These sessions are recommended for one or two representatives per school, and are ideally attended by squad leadership/squad NCEMSF Liaisons. *CE Code: 315J*

### Collegiate Resuscitation Officer Program - Part 3

*Liberty*

*CE Code: 315P*

### 12:30 pm - 1:30 pm Lunch

With an hour for lunch, we recommend the Shops at Prudential Center (across the street) There are plenty of options to fit any appetite and budget. See a listing of options on page 34.

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

#### Implementing a Critical Incident Stress Management Program

*Belvidere*

*Suzanne Blake and David Barber*

Two years ago, MIT EMS moved into the MIT Public Safety organizational structure under MIT Emergency Management. Upon taking on MIT EMS and over the past two years, MIT Emergency Management received several off-hours calls from MIT EMS members after particularly traumatic or complex calls. This caused the MIT Emergency Management staff to question if they were really equipped to deal with such calls and assist their MIT EMS members properly. They immediately sought additional training in the Critical Incident Stress Management (CISM) process and decided to implement a CISM program within MIT EMS, with the help of the MIT EMS executives. This presentation will describe MIT Emergency Management's journey of implementing a CISM process within MIT EMS, training required for managing a CISM program in a collegiate EMS program, and engagement with MIT EMS members throughout the process. The presenters will also discuss case studies where the CISM process was used effectively within MIT EMS (with identifying information removed for privacy purposes). *CE Code: 316A*

### "Just Syncope," or is Death Knocking?

*Back Bay A*

*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 his/her 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." *CE Code: 316B*

## Conference Schedule - Saturday, February 29, 2020

### Don't Eat Your Young

*Robert Cohen, MPA*

*Back Bay B*

Some preceptors are a\*\*holes. Some drills suck. Some classes are really boring. But learning can be a pile of... fun! This moving presentation, critically acclaimed as "hard pass" by Barstool Sports and "please stop calling us" by Harvard Business Review, will put the c(h)ool back in school. Come join in the... fun, and learn all about making trainings, drills, and exercises work for you and your fellow and future members.

*CE Code: 316C*

### Medical Considerations of Technical Rescue

*Douglas Hexel*

*Back Bay C*

Technical rescue incidents present a unique set of challenges to medical providers. Whether assessing and treating suspension injuries at a rope rescue or crush injuries at a structural collapse, special knowledge and skills are required from the provider. Modern medicine now requires medical treatment to begin during the rescue phase, rather than waiting for the victim to be rescued. This presentation focuses on kinematics of trauma, rescue techniques, treatment priorities, and special considerations to result in the best possible patient outcomes. *CE Code: 316D*

### Establishing Your Collegiate EMS Agency as an AHA Training Organization

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

*Back Bay D*

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. *CE Code: 316E*

### Been There, Done That, Got the PE Shirt

*Lucian Mirra, MEd, NRP*

*Constitution A*

Pulmonary embolisms affect more than 1 million Americans each year, and are fatal in 10-20% of cases, yet many EMS providers are unable to recognize the (often atypical) presentation of this phenomenon. Using a case-based approach, we will take a deep dive and differentiate PE from other similar processes. Take it first hand from a PE survivor and learn about the presentation, differentials, and treatment of this common medical emergency, and also learn about the cutting edge treatments being offered in hospitals around the country. *CE Code: 316F*

### The History of EMS

*Adam Fox, DO*

*Constitution B*

Although some form of emergency care has been around for centuries, the EMS that we utilize today is a relatively new construct. This talk will review the evolution of modern EMS and allow the audience member to understand how we got to the current system. There will also be some exposure to the history of several pieces of equipment that the EMS team uses. Lastly, there will be some discussion about the future challenges and direction of EMS. *CE Code: 316G*

### Stats, Stat!

### Leveraging Data to Improve Care, Operations, and Retention

*Thomas Goode, MS, NREMT*

*Independence E.*

Collegiate EMS agencies face a variety of common operational challenges, from staffing issues to underwhelming recruitment and retention rates. Low call volumes, high member turnover, and non-targeted recruitment strategies often exacerbate these issues. However, solutions are possible with the aid of an untapped organizational resource: data. Agencies often possess an unrealized amount of information, from trends in patient care reports to commonalities among potential members. This iteration of "Stats, stat!" broadens the analytic scope to examine how incorporating data analysis in quality improvement processes additionally benefits patient care, clinical performance, and resource allocation. This presentation overviews basic statistical analysis which enables agency leaders to effectively recognize members struggling with clinical skills, identify members likely to leave an organization or applicants likely to join the agency, and forecast call volumes to lend quantitative evidence to that well known, anecdotal suspicion that "tonight will be a bad night." This lecture highlights the interconnectedness and diverse applications of these easily obtainable metrics, presents the results of these applications at Carnegie Mellon University EMS and the City of Pittsburgh EMS, identifies flaws and methodology improvements, and generalizes these approaches to enable audience members to identify their own solutions based on agency-specific priorities and needs.

*CE Code: 316H*

### Novel Uses of Telemedicine During Hurricane Florence

*Joseph Grover, MD*

*Independence W.*

In September 2018, Hurricane Florence struck North Carolina as a Category 1 hurricane, and left in its wake tremendous flooding and destruction. North Carolina was faced with a massive evacuated population from the coast, and developed a system of shelters to house them. In order to address the medical needs of these patients, telemedicine was utilized, which significantly decreased EMS and ED utilization, providing a model for future medical staffing of general population sheltering. *CE Code: 316I*

## Conference Schedule - Saturday, February 29, 2020

### Beyond AVPU:

*Commonwealth*

#### Using Mental Status Exams in the Prehospital Environment

*Drew Anderson, PhD, EMT*

The AVPU scale is something every EMS provider learns and ideally uses with every patient. Often it is the only tool that's necessary to assess and describe a patient's level of consciousness, but what about patients and scenarios that require a closer look? The consequences, medical and legal, of poor or inadequate assessment can be enormous. The mental status exam is a brief and easy to use tool to systematically assess and document mental status and capacity. This presentation will review the use and interpretation of mental status exams in the prehospital environment. *CE Code: 316J*

### Roundtable: Emergency Management & Disaster Preparedness *Public Garden*

*Ryan M. Hay, RN and Eric Pohl, NRP, NCEMSF Emergency Management Team*

During this roundtable, NCEMSF Leadership 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. *CE Code: 316K*

### Roundtable: Training

*Riverway*

*Zachary Matuzsan, DO and Tom Renner, 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. *CE Code: 316L*

### Skills: Management Of Aggressive Behaviors (MOAB)

*Arnold Arboretum*

*M. Carl Flesher, MSIS and Ciara Thomas*

In EMT class the extent of scene safety is looking quickly around the room and saying the scene is safe. If you think that's sufficient don't attend this class. If you want to be ready to handle upset patients and family, this class will set you on the path. You will learn how to more safely approach, speak to and de-escalate anxious, angry and potentially violent patients. This class also includes a few basic escape moves. Be ready for hands-on participation and experience. *CE Code: 316M*

### Skills: Mini-Bushmaster at the NCEMSF Conference!

*Jamaica Pond*

*CE Code: 316N*

### Poster Session Walk Rounds

*Ballroom Foyer*

*Nicholas MG Friedman and Joe Caruso, Journal of Collegiate EMS, Moderators*

Walk through the poster displays and listen as authors discuss their original campus EMS research and unique campus programs. Ask questions of the authors as they stand by their work. 2020 Posters:

1. Tanisha Martheswaran - Harvard University - Promoting Youth Emergency Preparedness through Lifesaving Emergency Skill Workshops
2. Enzo Plaitano, Elana Everett, Sarah Golden - Boston University - Development of a Mass Gathering Medicine Training Program for Novice Collegiate EMS Providers
3. Ali Baird - Georgetown University - Assessing the Adequacy of Behavioral Health Training for Collegiate EMTs
4. Rebecca Butler, Justin Morell, Peter McGregor, Noah Johnson - Carleton University - Implementation of a Peer Support Program for Campus First Responders
5. Alexander Quach - University of Texas at Dallas - The Relative Importance of Vitals in Campus Based Emergency Services
6. Samantha Steeman - University of Pennsylvania - Naloxone Training and Distribution Program in an Urban Collegiate Setting
7. Chase Hinman - Rice University - Physiological and Cognitive Stress Response in EM Residents to Simulation

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

### Estimated Blood Loss

*Belvidere*

*Kathryn Marquis, MBA, RN, CEN*

In terms of estimating blood loss, everyone's bad at it- it doesn't matter if you're an EMT with one day of experience or a trauma surgeon with 40 years of experience. This lecture will assess the current methodologies of evaluating blood loss, the environmental factors that affect these estimations, as well as the physiology associated with blood loss. *CE Code: 317A*

### Vaping Associated Lung Illness and E-Cigarette Related Lung Injury

*Back Bay A*

*Faroukh Mehkri, DO*

This lecture will focus on presenting the most up to date information on Electronic Cigarette Related Lung Injuries and Vaping Associated Lung Injuries. With the majority of patients being under the age of 35 and the

## Conference Schedule - Saturday, February 29, 2020

overwhelming majority in their late teens to early 20s this topic is very relevant for campus EMS based EMTs and Paramedics. We will explore some of the most recent information on VALI/ELI and walk through the most important concepts for the audience to grasp and discuss approaches to patient care. *CE Code: 317B*

### Scene Safety, Leadership & Communication; It's All Connected *Back Bay B*

*Daniel Maas, CEM, EMT*

Patient care skills take up most of our training time with little emphasis given to topics like scene safety, leadership, and communication. But we must connect and master these topics if we plan to protect ourselves and ensure positive patient outcomes. Come learn some skills and behaviors that can improve your ability to keep your crew safe and provide better patient care. You'll learn Dan's rules for scene safety and incident management and see a variety of unique hazards and situations that are found on college campuses.

*CE Code: 317C*

### What's on the Line? Fall and Suspension Injuries

*Back Bay C*

*Douglas Hexel*

What happens when someone falls while on rope and their belay device functions PROPERLY? How long can they remain suspended after a fall? This presentation focuses on injuries that may occur from falls and suspension while still attached to rope. By assessing the kinematics of trauma; including the fall distance, harness type, attachment point, and hardware factors; determine likely injuries and extraction strategies as well as manage potentially lethal effects of prolonged suspension. *CE Code: 317D*

### Coloring Outside the Lines. How to Be a Better CPR Instructor *Back Bay D*

*David Hiltz*

Learn to be a truly effective CPR instructor and still be in compliance with your sponsoring organization. CPR courses often lack contextual value and do not adequately prepare rescuers. We will discuss methods for becoming more than a "CPR" instructor. *CE Code: 317E*

### Boston MedFlight: Your Life. Our Mission

*Constitution A*

*Christian Grant, NRP, FP-C*

For over three decades, six consortium hospitals have worked together to provide critically ill and injured patients with the advanced level of care they require; relying on Boston MedFlight as their lifeline. There is no other program in the United States that features this type of collaboration. Boston MedFlight coordinates with these leading medical centers, putting all competition aside, to make the very best decision for the patient. His or her interests are always considered above and before everything else. Our daily mission is to provide the right vehicle to the right patient at the right time and transport them to the right facility. With over 5,000 transports on average per year with patients ranging from NICU level care up to mechanical circulatory support devices, Boston MedFlight sees the sickest patients in the region. In this lecture we will review the history of Boston MedFlight, our mission profile and what we do, how to request our services and speak about everyday life as an employee. *CE Code: 317F*

### Sense & Sensitivity:

*Constitution B*

### Trauma-Informed Responses to Sexual Assault Calls

*Eric Garrison, MAEd, MSc*

Did you know that the first response to a sexual misconduct call is the most crucial step in the serpentine path from victim to survivor to thriver? Done poorly, your actions could hinder a victim from seeking further treatment or even justice. Yet when done well, your trauma-informed response could help contribute to the healing process and eventual flourishing. Wouldn't you like to know more about handling these delicate situations, so that everyone from the survivor to the EMS crew 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 research within forensic sexology on the mind's response to trauma. *CE Code: 317G*

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

*Independence E.*

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

What's the worst thing you've ever been called in your life? If you're a campus EMT, it's hearing you're "just a student!" Being a student leader can feel impossible if you're treated like a kid. John and Matt have spent their careers navigating public and private sector leadership often being the youngest professionals in the room. In this workshop, they will share what has helped them to bury that stigma, and connect it to your goals. We will facilitate a discussion to make sure your communication, conduct, and appearance is as professional as possible. *CE Code: 317H*

### MIT Active Shooter Full Scale Exercise

*Independence W.*

*Alice Lin and Suzanne Blake*

MIT EMS has been working closely with MIT Emergency Management to plan the 2020 Active Shooter Full Scale Exercise, during which first responders will practice entering a building, taking down a shooter (played by a police actor), and treating and transporting victims. Preparing for this exercise has involved months of close coordination with MIT Police, Cambridge Police, Cambridge Fire, and ProEMS. This presentation will describe MIT EMS's experience with planning an active shooter exercise, ranging from communications and operational

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logistics to preparing an accurate medical response and providing volunteers to play victims. The presenters will also include live footage from the exercise itself and discuss major takeaways from the exercise.  
*CE Code: 317I*

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

*Commonwealth*

*Joshua Glick, MD*

Eye injuries make everyone queasy. But prompt recognition of several common injuries and illnesses can save a patient's vision. Early recognition of these conditions is imperative, and during this talk we will review the basic ocular anatomy, highlight an abbreviated exam for EMS providers, and go over some common presentations of illnesses that may present in the field. *CE Code: 317J*

### Roundtable: Administrative Challenges in Collegiate EMS

*Public Garden*

*Raymond Lovell, NREMT-P*

Collegiate EMS Agencies face a unique issue of being composed of a staff whose number one priority is not (or at least should not be) EMS. This discussion covers various administrative challenges such as scheduling, personnel, and training issues that our agencies face and tools we can use to continue to improve.

*CE Code: 317K*

### Roundtable: Fundraising and Financing

*Riverway*

*Yoni Litwok, MD, NCEMSF Director-at-Large*

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.

*CE Code: 317L*

### Skills: Use Your Words (and More): Communication Skills for EMS Providers

*Arnold Arboretum*

*Drew Anderson, PhD, EMT*

Effective clinical practice requires good communication between the patient and provider. Unfortunately, the nature of EMS can make good communication difficult, and poor patient-provider communication can result in poor clinical care. This presentation focuses on teaching communication strategies, verbal and nonverbal, that can have a powerful impact on patient-provider interactions. Participants will have the opportunity to learn and practice these skills and can expect to leave with practical skills they can put to use immediately.

*CE Code: 317M*

### Skills: Mini-Bushmaster at the NCEMSF Conference!

*Jamaica Pond*

*CE Code: 317N*

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

*Grand Foyer*

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

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

#### Prehospital Whole Blood Program and System Development

*Belvidere*

*Joseph Palfini, BSN, RN*

Trauma patients bleed whole blood. Over the last three decades trauma patients requiring resuscitation have typically received blood component therapy: red blood cells, primarily, although recently plasma and platelets. Literature supports transfusing these products in a 1:1:1 ratio. Until recently, they have only been available once at a trauma center for this life saving intervention. We will discuss the rationale and process for developing and implementing a cost-effective regional air and ground prehospital whole blood program.

*CE Code: 318A*

### Medically Directed Rescue: Why EMS Shouldn't be on the Sidelines!

*Back Bay A*

*Brendan Mulcahy, DO, PHP, PA*

Through a case based approach, we will review some of the common injuries and ailments faced by EMS during standard and prolonged rescue operations. We will discuss how EMS plays a pivotal role in the safe extraction of patients from the point of injury and how failure to implement a medical directed rescue could lead to detrimental outcomes. *CE Code: 318B*

### Bring Your Best

*Back Bay B*

*James Green, DC, FP-C, NREMT-P*

Elevate your practice. Treat people right. Improve your outcomes. At some point it happens to us all, we drift. Drift is the slow, gradual creep away from our best selves, our best performance. We may still deliver competent care, but it becomes average care, missing the spark and the energy that you brought to your calls years ago. Drift makes you average. Drift leads to complacency. Complacency kills. Turn it around. This program will give you an attitude tune up and it will provide practical skills in communication, assessment, and treatment to use immediately in the field. Bring your best! *CE Code: 318C*

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### Stress Injury and Psychological First Aid

*Back Bay C*

*Steve Lanwermyer*

Stress injury, either from an isolated stressful event or the accumulation of stress, can affect the physical, emotional, and cognitive health of outdoor leaders and participants. In this presentation, attendees will learn to provide psychological first aid and respond with confidence when someone is in need of support. To complement existing first aid skills, attendees will gain interactive practice and be introduced to structured tools for engaging with patients after an extremely stressful incident or during a mental health event: listening, assuring safety and basic needs are met, reducing stress, and helping patients engage with support groups. *CE Code: 318D*

### Assessment Differentials

*Back Bay D*

*Becky Valentine, EMT-P, NCEE, MA I/C*

A good clinician seeks the best in evidence-based medicine when conducting an assessment based on best practices. In this session, using case based scenarios, we will use our best critical thinking in determining what is happening with each patient and how to treat that patient. *CE Code: 318E*

### Bringing Critical Care to the Rescue Evolution

*Constitution A*

*James Dlutowski, NRP*

A building has collapsed with multiple people missing and trapped, a tanker truck has rolled over a hill with the driver pinned and surrounded by hazards and a hiker has fallen hundreds of feet into a ravine. What do all of these scenarios have in common? Patients! This session discussions pivoting the rescue evolution from focusing on mangled metal, ropes and hydraulic tools back to the patient. We will discuss both general principals and specific case reviews in this session. *CE Code: 318F*

### Introduction to LGBTQ Health for EMTs

*Constitution B*

*Mariah Henderson, PA-C*

The LGBTQ (lesbian, gay, bisexual, trans, and queer/questioning) communities often experience discrimination and misunderstanding in the face of medical professionals and public safety workers. This awareness training aims to familiarize EMTs with terminology used by the LGBTQ communities, examine relevant medical concerns for these individuals, and provide options for navigating potentially uncomfortable patient interview questions. People of all identities are welcome to attend. *CE Code: 318G*

### Using EMS to Build a Stronger Town-Gown Relationship

*Independence E.*

*Peter Melan*

The vision statement of the International Town & Gown Association states that it is “the premier resource for addressing challenges, emerging issues and opportunities between and amongst the institutions of higher education and the communities in which they reside”. What better chance than to represent your EMS agency at the local town meeting, to showcase the students who have embarked on volunteering, and offering that extra hand when the area is depleted of units? Nationally, agencies are shutting their doors without notice, and others are bleeding resources without the necessary assistance from the state or their sponsoring municipality. Help continue to further the message of ITGA by offering ways to supplement the town’s ambulance with your gown unit during the semester. When presenting to local officials, come prepared with the necessary data that shows the value in having another ambulance readily available for emergencies to respond within the geographic boundaries of the town. Extend beyond the edges of the college and be noticeable by participating with other agencies for training to maximize exposure. Learn the ways to communicate with elected officials in a non-academic way and prove your EMS will not only benefit your fellow classmates but the entire community. *CE Code: 318H*

### When it Hits the Fan: Planning for Emergencies at Events

*Independence W.*

*Lucian Mirra, MEd, NRP*

The highlight of the college experience is, for most, what occurs outside the classroom. Sporting events, graduation, high-profile speakers, and celebrations are just a few of the extracurricular events that we as collegiate EMS providers prepare to handle. This course will discuss the current best practices of planning for special events, and will then use a case based approach - putting participants in command of several real events and discussing how to manage them, from the planning stage, to the operation stage, to the after-action review. *CE Code: 318I*

### Going Off-Campus:

*Commonwealth*

### Emergency Medicine & Technology in International Disaster Response

*Kyle Kotowick, PhD, EMT*

This presentation touches on the entire process of international medical deployment, from becoming certified with the World Health Organization, to responding to the mission at a moment's notice, to demobilizing in a way that supports the local population. It will also discuss the key differences in providing care at home to providing it abroad, including improvisation with equipment, dealing with extremely vulnerable populations in foreign languages, and making difficult choices about not providing care to the same standard to which you are trained. Other topics include: working with other NGOs/governments, integrating with local medical systems, and the personal toll that these deployments can take. *CE Code: 318J*

## Conference Schedule - Saturday, February 29, 2020

### Roundtable: Only the Brave - A Panel Discussion About First Responder Mental Health

*Public Garden*

*Eric Pohl, NRP, NCEMSF Emergency Management Coordinator, Moderator*

Suicide and Mental Health issues are often stigmatized both among the first responder and the college campus communities. Luckily, recognition that these issues are significantly impacting our peers is becoming more prevalent. A panel of seasoned EMS professionals from multiple backgrounds come together to shine a light on these topics, share their experiences, and answer and respond to your questions. *CE Code: 318K*

### Roundtable: Advertising and Campus Media

*Riverway*

*Kathryn Marquis, MBA, RN, CEN, NCEMSF N. New England Regional 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. *CE Code: 318L*

### Skills: The Hats We Wear During An Emergency

*Arnold Arboretum*

*Robert Laford*

This program provides an innovative method of teaching basic principles of the Incident Command System (ICS) for both emergency responders and those not routinely considered "emergency responders." The program uses a participatory look at the roles and responsibilities within the Incident Command (ICS) structure and how all those affected during emergency preparedness planning and during emergency operations play a role. The instructor will share his experiences in providing ICS training on a college campus, so the participants, in turn, can offer a unique way to keep students engaged in their learning cycle.

*CE Code: 318M*

### Skills: Mini-Bushmaster at the NCEMSF Conference!

*Jamaica Pond*

*CE Code: 318N*

### 5:00 pm - 6:00 pm *Major John P. Pryor, MD Memorial Lecture*

*Grand Ballroom*

#### Resuscitation: Past, Present and Future

*Mark Forgues, MEd, NRP*

Perhaps the most recognized role of EMS is that of resuscitation. Prehospital care is relatively new to the medical theater, yet has taken center stage in resuscitation preparation, application and research. But how did we get here? What works now? And what might be in store for the future? This presentation will explore some of the unusual historical winners and losers of times past, and examine what we are doing now: what works and what doesn't. We will look a bit into the future of what may be coming that will impact how we practice. The presentation will wrap up with some caveats for the people who practice prehospital medicine in their future efforts to provide the best care for their patients. *CE Code: 333A*

### 6:00 pm - 7:00 pm *Leadership Presentation & Business Meeting* *Grand Ballroom*

*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 Stryker EMS Skills Classic and CPR Challenge will be announced. New additions to NCEMSF's Striving for Excellence, HEARTSafe Campus and EMS Ready Campus Programs will also be acknowledged. Campus EMS providers who have participated directly in a CPR save over the past year also will be commended by the Sudden Cardiac Arrest Association (SCAA).

Richard W. Vomacka Student Speaker Competition

Collegiate EMS Research Award

Collegiate EMS Week Celebration of the Year

Collegiate EMS Video of the Year

Collegiate EMS Community Engagement Program 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*

*Belvidere*

Campus EMS Alumni are invited to join NCEMSF leadership for the 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.

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### 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 Boston or return to the party at Club NCEMSF and Casino!

### 10:00 pm - 2:00 am *NCEMSF Club, Casino and Glow Golf*

*Constitution and  
Grand Ballrooms*

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

Hop in the photo booth and create memorable souvenirs of you and your collegiate EMS friends from across the country. Join the rest of your fellow collegiate EMS providers and "gamble", play mini golf, dance and sing the night away with our live DJs. Try your hand at beating the NCEMSF house at your favorite casino games including Black Jack, Poker, Craps, Roulette, etc... Great prizes are available including a plethora of EMS supplies. No worries, there is no penalty for losing and no real money will be exchanged. Play risk free! At the end of the evening, cash your chips out for a chance at winning big.

The casino will close at 1:00 am, glow golf a 1:30 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 be served.

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

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## Continuing Education (CE) Credit Information

### *Get Continuing Education Credit for the lectures you attend!*

All NCEMSF conference sessions are eligible for continuing education **credit by endorsement**. A maximum of 15 hours of CE are available for those that attend an educational offering every hour of the 2020 conference (Pre-Conference Workshop participants will receive CE certificates at the conclusion of their session). In order to receive credit for your conference attendance and the sessions that you attended, please follow these directions:

#### Attendance Tracking

- Record your session attendance via text message (SMS). To register for SMS attendance tracking, text your 7-digit personal code (provided at check-in) to **781-2-NCEMSF (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 and on the room signs outside each session. At any time during the session, **text that 4-character code** to the number above 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.
  - If you do not have SMS capability, utilize manual tracking: complete the post-conference survey and then use the "My CE Records" utility to select your sessions and rate the speakers and topics.

#### Generating Your CE Report

- After the conclusion of the conference, you will receive an **email with a link to the post-conference survey**. Login to the NCEMSF website with your personal credentials (NCEMSF username and password) and complete the survey.
- In the same email, you will find a link to the "My CE Records" utility. Use that utility to **rate the speaker and topics** you attended and print your CE report after you have completed the post-conference survey. Through May 1, 2020 you can also **correct any errors or add sessions** you attended.
- 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.
- All steps must be completed by May 1, 2020.** After that date, you will only be able to access finalized records but cannot modify records or generate a PDF records document for the first time. If you have not completed the post-Conference survey, validated your attendance, rated the topics and speakers, and finalized your personalized PDF document by May 1, you will forfeit all continuing education credit from this conference.

## Schools in Attendance

*At the time of publication, the following 109 universities (1,274 + 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>        |
|---------------------------------------|------------------|--------------|----------------------|-------------|------------------------|
| Albion College                        | 2                | MI           | Midwest              | Startup     |                        |
| Arizona State University              | 3                | AZ           | Central              | BLS         | QRS                    |
| Binghamton University                 | 28               | NY           | New York             | ALS         | Ambulance Transport    |
| Boston University                     | 4                | MA           | Massachusetts        | BLS         | QRS                    |
| Brandeis University                   | 20               | MA           | Massachusetts        | BLS         | QRS                    |
| Brown University                      | 7                | RI           | Northeast            | ALS         | Ambulance Transport    |
| Bryn Mawr and Haverford Colleges      | 3                | PA           | Pennsylvania         | Startup     |                        |
| Carleton University                   | 13               | ON           | Canada               | FR          | QRS                    |
| Carnegie Mellon University            | 17               | PA           | Pennsylvania         | BLS         | QRS                    |
| Case Western Reserve University       | 13               | OH           | Midwest              | BLS         | Transport              |
| Christiansburg Rescue Squad           | 3                | VA           | Mid Atlantic         | ALS         | Ambulance Transport    |
| Clark University                      | 8                | MA           | Massachusetts        | FR          | QRS                    |
| Clarkson University                   | 11               | NY           | New York             | BLS         | QRS                    |
| Colby College                         | 3                | ME           | Northern New England | BLS         | QRS                    |
| College of Charleston                 | 10               | SC           | Southeast            | ILS         | Ambulance Transport    |
| College of William and Mary           | 1                | VA           | Mid Atlantic         | Startup     |                        |
| Colorado College                      | 5                | CO           | Central              | BLS         | QRS                    |
| Columbia University                   | 16               | NY           | New York             | BLS         | Ambulance Transport    |
| Cornell University                    | 19               | NY           | New York             | BLS         | QRS                    |
| Daemen College                        | 8                | NY           | New York             | BLS         |                        |
| Dartmouth College                     | 8                | NH           | Northern New England | BLS         | QRS                    |
| Drexel University                     | 12               | PA           | Pennsylvania         | BLS         | QRS                    |
| Duke University                       | 12               | NC           | Southeast            | BLS         | QRS                    |
| Durham College and Ontario Tech Univ  | 2                | ON           | Canada               | Startup     |                        |
| Eckerd College                        | 13               | FL           | Southeast            | FR          | QRS                    |
| Embry-Riddle Aeronautical University  | 7                | FL           | Southeast            | BLS         | QRS                    |
| Fordham University                    | 19               | NY           | New York             | BLS         | Ambulance Transport    |
| Franklin and Marshall College         | 5                | PA           | Pennsylvania         | BLS         | QRS                    |
| Georgetown University                 | 15               | DC           | Mid Atlantic         | BLS         | Ambulance Transport    |
| Gettysburg College                    | 12               | PA           | Pennsylvania         | BLS         | QRS                    |
| Harvard University                    | 48               | MA           | Massachusetts        | BLS         | QRS                    |
| Hobart and William Smith Colleges     | 7                | NY           | New York             | BLS         | QRS                    |
| Illinois Institute of Technology      | 7                | IL           | North Central        | BLS         | QRS                    |
| Indiana University - Bloomington      | 3                | IN           | Midwest              | BLS         | QRS                    |
| John Carroll University               | 9                | OH           | Midwest              | BLS         | QRS                    |
| Johns Hopkins University              | 12               | MD           | Mid Atlantic         | BLS         | QRS                    |
| Lafayette College                     | 5                | PA           | Pennsylvania         | BLS         | QRS                    |
| Lehigh University                     | 9                | PA           | Pennsylvania         | BLS         | QRS                    |
| Loyola Marymount University           | 10               | CA           | West                 | BLS         | QRS                    |
| Macalester College                    | 9                | MN           | North Central        | BLS         | QRS                    |
| Massachusetts Institute of Technology | 20               | MA           | Massachusetts        | BLS         | Ambulance Transport    |
| Massachusetts Maritime Academy        | 9                | MA           | Massachusetts        | BLS         | Ambulance Transport    |
| McGill University                     | 27               | ON           | Canada               | FR          | QRS                    |
| McMaster University                   | 23               | ON           | Canada               | BLS         | Non-Emergent Transport |
| Muhlenberg College                    | 11               | PA           | Pennsylvania         | BLS         | QRS                    |
| Northeastern University               | 7                | MA           | Massachusetts        | Startup     |                        |
| Norwich University                    | 11               | VT           | Northern New England | BLS         | Non-Emergent Transport |
| Pennsylvania State University         | 4                | PA           | Pennsylvania         | BLS         | Ambulance Transport    |
| Quinnipiac University                 | 4                | CT           | Northeast            | BLS         | QRS                    |
| Rensselaer Polytechnic Institute      | 14               | NY           | New York             | BLS         | Ambulance Transport    |
| Rice University                       | 5                | TX           | Central              | ILS         | QRS                    |
| Rochester Institute of Technology     | 20               | NY           | New York             | BLS         | Ambulance Transport    |
| Rowan University                      | 13               | NJ           | Northeast            | BLS         | Ambulance Transport    |

## 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>        |
|-----------------------------------------|------------------|--------------|----------------------|-------------|------------------------|
| Saint Anselm College                    | 15               | NH           | Northern New England | BLS         | QRS                    |
| Saint Michael's College                 | 4                | VT           | Northern New England | ALS         | Ambulance Transport    |
| Santa Clara University                  | 10               | CA           | West                 | BLS         | QRS                    |
| Skidmore College                        | 9                | NY           | New York             | BLS         | QRS                    |
| South Dakota State University           | 2                | SD           | North Central        | Startup     |                        |
| <i>St. Lawrence University</i>          | 5                | NY           | New York             | BLS         | QRS                    |
| SUNY Canton                             | 5                | NY           | New York             | BLS         | QRS                    |
| <i>SUNY College at Cortland</i>         | 11               | NY           | New York             | BLS         | QRS                    |
| SUNY Geneseo                            | 8                | NY           | New York             | BLS         | QRS                    |
| SUNY Oneonta                            | 12               | NY           | New York             | BLS         | QRS                    |
| SUNY Stony Brook                        | 16               | NY           | New York             | ALS         | Ambulance Transport    |
| Syracuse University                     | 7                | NY           | New York             | BLS         | Ambulance Transport    |
| Temple University                       | 7                | PA           | Pennsylvania         | BLS         | QRS                    |
| Texas A&M University                    | 16               | TX           | Central              | ALS         | Ambulance Transport    |
| The George Washington University        | 30               | DC           | Mid Atlantic         | BLS         | Ambulance Transport    |
| The University of Texas at Dallas       | 3                | TX           | Central              | Startup     |                        |
| <i>Tufts University</i>                 | 10               | MA           | Massachusetts        | BLS         | Non-Emergent Transport |
| Tulane University                       | 10               | LA           | Central              | BLS         | Ambulance Transport    |
| United States Merchant Marine Acad      | 7                | NY           | New York             | BLS         | Ambulance Transport    |
| University of Arizona                   | 4                | AZ           | Central              | BLS         | QRS                    |
| University of California-Davis          | 5                | CA           | West                 | BLS         | QRS                    |
| University of California-Irvine         | 5                | CA           | West                 | Startup     |                        |
| University of California-Los Angeles    | 5                | CA           | West                 | BLS         | Ambulance Transport    |
| University of Chicago                   | 5                | IL           | North Central        | FR          | Event Standby          |
| University of Dayton                    | 11               | OH           | Midwest              | BLS         | Ambulance Transport    |
| University of Delaware                  | 26               | DE           | Mid Atlantic         | BLS         | Ambulance Transport    |
| <i>University of Florida</i>            | 26               | FL           | Southeast            | BLS         | QRS                    |
| University of Guelph                    | 16               | ON           | Canada               | BLS         | QRS                    |
| University of Il. at Urbana-Champaign   | 11               | IL           | North Central        | BLS         | Event Standby          |
| University of Iowa                      | 4                | IA           | North Central        | EDU         | Education              |
| University of Maine                     | 13               | ME           | Northern New England | ALS         | Ambulance Transport    |
| University of Massachusetts Amherst     | 42               | MA           | Massachusetts        | BLS         | Event Standby          |
| University of Massachusetts Lowell      | 16               | MA           | Massachusetts        | BLS         | QRS                    |
| University of New England               | 8                | ME           | Northern New England | BLS         | QRS                    |
| University of New Hampshire             | 8                | NH           | Northern New England | ALS         | Ambulance transport    |
| University of N Carolina at Chapel Hill | 4                | NC           | Southeast            | Startup     |                        |
| University of Pennsylvania              | 14               | PA           | Pennsylvania         | BLS         | QRS                    |
| University of Pittsburgh                | 22               | PA           | Pennsylvania         | EDU         | Event Standby          |
| <i>University of Rhode Island</i>       | 33               | RI           | Northeast            | BLS         | Ambulance Transport    |
| University of Rochester                 | 12               | NY           | New York             | BLS         | QRS                    |
| University of San Francisco             | 4                | CA           | California           | BLS         | QRS                    |
| University of Southern California       | 13               | CA           | West                 | BLS         | QRS                    |
| <i>University of Tampa</i>              | 11               | FL           | Southeast            | FR          | QRS                    |
| University of Vermont                   | 10               | VT           | Northern New England | ALS         | Ambulance Transport    |
| Utica College                           | 4                | NY           | New York             | BLS         | QRS                    |
| Vassar College                          | 10               | NY           | New York             | BLS         | Non-Emergent Transport |
| Vermont Technical College               | 6                | VT           | Northern New England | BLS         | QRS                    |
| Villanova University                    | 16               | PA           | Pennsylvania         | BLS         | Ambulance Transport    |
| Virginia Polytechnic Institute          | 14               | VA           | Mid Atlantic         | ALS         | Ambulance Transport    |
| <i>Wake Forest University</i>           | 8                | NC           | Southeast            | BLS         | QRS                    |
| Washington University - St. Louis       | 5                | MO           | Central              | BLS         | QRS                    |
| West Chester University of PA           | 4                | PA           | Pennsylvania         | BLS         | QRS                    |
| <i>Western Carolina University</i>      | 2                | NC           | Southeast            | BLS         | Ambulance Transport    |
| <i>Worcester Polytechnic Institute</i>  | 9                | MA           | Massachusetts        | FR          | QRS                    |
| <i>Yale University</i>                  | 4                | CT           | Northeast            | BLS         | Event Standby          |

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

*Grand Foyer*

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

**Bombs, Bullets, & Blades:**

*Belvidere*

**The Role of EMS in Terrorism Prevention and Response**

*Michael Overmyer*

"See something, say something" That saying has been around since 2002, but have you really thought about what to look for? This lecture will go over current domestic and international terror trends, which could affect a college campus. Participants will learn the role EMS has in the prevention and response of a terror attack. This lecture will also review and discuss the best practices for large special event planning.

*CE Code: 319A*

**Pimps, Prostitutes, and Providers**

*Back Bay A*

*Lauren Wilson*

Human trafficking is a widespread problem. EMS providers are in a unique position in regards to human trafficking. Often times EMS providers are the first people to lay eyes on a human trafficking victim. Despite its prominence in our world, there is a lack of education amongst healthcare providers. Research suggests that more than 80% of victims encounter one or more healthcare professionals while they are being trafficked. Of these providers encountered, 60% are emergency personnel. Although emergency personnel have a high rate of interaction with victims, less than 5% of emergency department personnel have received formal training on human trafficking. This lecture will provide a brief overview of trafficking, including the national definition of trafficking, types of trafficking, and vulnerabilities associated with victims. It will also inform emergency medical providers of red flags and warning signs to look for in patients. Attendees will also learn techniques to implement for identification and treatment. To conclude, attendees will receive information for national trafficking organizations and resources available for both victims and providers. Furthermore, attendees will be encouraged to find local organizations in their area that do outreach with victims and survivors of human trafficking. *CE Code: 319B*

**EMTs Say What? Pre-Hospital Truth Telling and Otherwise**

*Back Bay B*

*Brandon Skwato*

How would you answer your trauma patient's question "Am I going to be okay?" What about the college-aged patient who partied too hard and asks whether they will get in trouble for being transported? EMS providers are asked difficult questions whose answers carry a significant moral weight. What options do providers have when answering these difficult questions? How do you know what is best for your patient, when you only met them 10 minutes prior? How do you choose an answer that respects both you and your patient's autonomy? These questions and more will be answered as we discuss the anatomy and moral consequences of telling a lie, telling the truth, and everything in between. *CE Code: 319C*

**EMS to Med School: NCEMSF Alum Experiences and Q&A**

*Back Bay C*

*Meghann Zapcic and Ryan Desrochers*

Are you interested in applying to medical school? Two recent NCEMSF alumni recount their experiences transitioning between undergrad and medical school, from the application process to how much patient interactions change just by putting on a white coat. Come hear about how collegiate EMS experiences have both helped and challenged us through this transition with lots of time for Q&A at the end. *CE Code: 319D*

**Forget CPR, Give CCR to Save a Heart**

*Back Bay D*

*Jada Wang, MS, NREMT-P*

No breaths? No problem! Cardiocerebral resuscitation (CCR) is a new approach to patients with out-of-hospital cardiac arrest, replacing cardiopulmonary resuscitation (CPR). CCR instructs responders to 1) provide continuous chest compressions at a rate of 100 per minute without mouth-to-mouth ventilation and 2) delay endotracheal intubation or supraglottic airway placement. CCR method indicates the need to continue chest compressions to ensure blood to keep moving to the hearts and brains of cardiac arrest victims. During the chest-compression cycle, it takes time to build up marginal pressure to the heart and brain. When the compressions stop, marginal pressure falls to zero, ending perfusion in the body. With CCR there are minimal interruptions of chest compressions. It deemphasizes positive-pressure ventilations or over-ventilation, prioritizes defibrillation, and promotes early administration of epinephrine. This technique has increased the survival rate of cardiac arrest victims from 1.8% to 5.4%. Among witnessed cardiac arrest victims with shockable rhythms and defibrillation, survival increased to 17.6%. In Arizona, the CCR Demonstration Project was initiated in January 2005. The new protocol is used for adult cardiac arrest. Children under 8 years old, drowning, drug overdose, trauma, and respiratory arrest patients are all excluded. *CE Code: 319E*

**Look Out for Our Own: Managing 1<sup>st</sup> Responder Mental Health**      *Constitution B*

*Delia Sosa*

Collegiate EMS units are often the first to respond to traumatic events which happen to our peers and colleagues. This can take a toll on us, as we are trained to respond with empathy towards our patients and do our best to put ourselves in their shoes during some of their most vulnerable moments. As EMTs and EMRs, we prepare to respond to stressful emergencies, including mental health crises. But what happens to our own mental health following difficult calls and drills? How does it impact the care we are able to provide to our

## Conference Schedule - Sunday, March 1, 2020

patients, relationships with our team members, and our own lives outside of EMS? In this talk, we will discuss the critical role EMS units play in the collegiate mental health climate and address the importance of managing the mental health and well-being of the responders who serve our campuses. *CE Code: 319F*

### When Seconds Count: Developing Custom Tech for EMS

*Independence W.*

*Dan Bruce, NRP and Logan Ramos*

When RPI Ambulance's paging system failed and its text message dispatches delayed notice of calls, members rolled up their sleeves and turned to building custom technologies to bridge those gaps. Now, a few years later, members have developed a dozen packages to help them provide better medical care and manage the organization itself. Learn about RPIA's technologies, all of which are open-source and constantly improved, and gain insight into the process the volunteer agency uses to manage such modern processes. *CE Code: 319G*

### Acute Vaping Injuries

*Commonwealth*

*Carolyn Vanek, AEMT*

Vaping has gained sudden popularity among high school and college-aged students, but little is known about vaping compared to other methods of nicotine and THC use. This lecture will discuss the pathology, presentation, and treatment of vaping-associated acute respiratory failure. We will also discuss the prevalence of acute vaping injuries and the accuracy of headlines about the vaping "epidemic." *CE Code: 319H*

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

### Little People Big World...Pediatrics in a World of Trauma

*Belvidere*

*Hendrik Bilek, BSN, RN, NHDP-BC, PHRN*

"EMS100 respond to a pediatric pedestrian struck at 34th and Market." After hearing this dispatch a whirlwind of thoughts and emotions run through your head. How bad is it? Where is this kid hurt? Why does this have to be a kid call? Dive deeper with this talk on trauma in the pediatric population and how we as EMS professionals can quickly assess and treat life threatening injuries using an ATLS approach in the field. We will talk about accidental and non-accidental trauma as well as some case studies from a busy top tier pediatric trauma center including injury patterns and mechanism of injury commonalities. In addition, we will focus on anatomical and cognitive differences that make pediatric patients a special population and how we can expeditiously react to key subtle assessment findings. After all, trauma is the leading cause of death in the pediatric patient population. *CE Code: 320A*

### Introduction to Transgender Health for EMTs

*Back Bay A*

*Mariah Henderson, PA-C*

As visibility and access to care increase, more transgender college students are undergoing gender-affirming medical interventions. This course is intended to familiarize campus EMTs with medical and surgical aspects of gender affirmation and possible complications. This course may stand alone for individuals familiar with transgender identities, but should be preceded by "Introduction to LGBTQ Health for EMTs" for less familiar learners. *CE Code: 320B*

### Fluid Resuscitation Without An IV: EMTs Treating Shock

*Back Bay B*

*Kenneth Navarro, MD*

Aggressive out-of-hospital fluid administration to patients suffering from traumatic injury increases blood loss and mortality. Recently, researchers developed an easy to use device that will increase blood return to the heart thereby increasing cardiac output and cerebral perfusion, while simultaneously lowering intracranial pressures (ICP). This new therapy requires no IV, no advanced airway, and in fact, no advanced skills of any kind. This presentation will examine how rescuers can provide beneficial fluid therapy without ever having to spike an IV bag. *CE Code: 320C*

### Washers and Dryers and Why ACLS Sucks

*Back Bay C*

*Jeffrey Bilyk*

ACLS is important for any ALS provider but, as we learn more about Pulseless Electrical Activity, we realize that lives can come to an end when the algorithm does. Could we be saving more lives with a better understanding of PEA and going outside the box of standard ACLS? This lecture will highlight the failures and how we can do better. *CE Code: 320D*

### Management of Patients with Obesity in an EMS Setting

*Back Bay D*

*Stephanie Therrien, NREMT, OEC, NSP*

The World Health Organization estimates that over a third of the US population (approximately 91 million children and adults) and 1.9 billion people worldwide are classified as overweight or obese. Obesity is the second leading cause of death related to cardiovascular disease, is the number one preventable cause of cancer, and is associated with over fifteen co-morbid conditions. Patients with obesity are often physically limited and medically complex, both of which can present unique challenges to emergency care providers. The purpose of this lecture is to discuss the epidemiology, pathophysiology and anatomy of Obesity, review disease specific medical complications that may arise, airway management and pulmonary physiology, and what an emergency care provider needs to know to appropriately care for a patient with obesity through case presentation. *CE Code: 320E*

## Conference Schedule - Sunday, March 1, 2020

### Lean, Mean, EMS Machine

*Constitution A*

*Stu Rosenhaus, EMT, CIC*

This presentation will introduce the concept of Lean in Healthcare. We will discuss value added and non-value added activities, the eight wastes in healthcare, and how to use simple observation to make changes and improve processes. We will take a virtual waste walk, remove non-value added steps and see how well we improve the process. *CE Code: 320F*

### Ebola and Other Highly Contagious Diseases: Is Your Agency Prepared?

*Constitution B*

*Gary Hecker, RN, CCRN, EMT-CC, CIC*

Ebola and other highly contagious diseases fall under the category of "Special Pathogens." These diseases are associated with high morbidity and mortality. In this session we will define and give examples of special pathogens. We will then talk about changes made to the US health care system as a reaction to the Ebola outbreak of 2014-2015, including development of bio-containment units. We will use the "EMS Infectious Disease Playbook" prepared by the US Department of Health and Human Services as a guide to help providers prepare their agencies. *CE Code: 320G*

### Calling A Code Alert On Our Mental Health

*Independence W.*

*Ann Marie Farina*

This course will introduce attendees to the topic of first responder mental health. It includes a review of first responder culture and how to affect mental wellness; an overview of the statistics regarding first responder mental health; the signs that someone may be having a mental health crisis; and how to talk to someone in crisis to assist them in getting help. \*Calling a Code Alert & Don't Let Your Bathtub Overflow build off each other, but it is not mandatory to attend both.\* *CE Code: 320H*

### Heat, Humidity and Houston!

*Commonwealth*

*Lisa Basgall and Samuel Reddick*

Heat emergencies in Houston are routine and familiar for several months of the year. Review factors that cause heat emergencies, predictable signs and symptoms, and factors that complicate care and recovery from these emergencies. This case-based presentation will offer highlights on managing patients with heat emergencies, and patients with other medical conditions exacerbated by heat and humidity will also be considered. Heat emergencies can be unpredictable. Are you prepared to respond? *CE Code: 320I*

### Roundtable: Startup

*Public Garden*

*Stephen J. Lanieri, NCEMSF National Coordinator*

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learned at this year's conference and helping them determine the next steps in furthering their organizations as they prepare to return to their campuses. *CE Code: 320J*

### Roundtable: Administrator/Advisor/Medical Director

*Riverway*

*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. *CE Code: 320K*

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

*Arnold Arboretum*

*Steve Lanwermyer*

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... *CE Code: 320L*

### Skills: The Art of Suturing

*Jamaica Pond*

*Katie Egan, MD, RN and Leah Krueger, MD*

Have you ever wondered how the facial laceration from a glass bottle was treated after the patient got to the ED? Learn the basics of suturing from experts in the field, including resident physicians in Plastic Surgery and Family Medicine. This hands-on workshop will introduce different types of suture material, options for wound closure, and suture techniques. We will also emphasize wound assessment principles which can be utilized in the field. Following a brief introduction to suturing, we will spend the majority of the class with hands-on, guided practice in a variety of suture methods. This workshop is designed for Collegiate EMTs interested in wound care, especially those interested in pursuing careers in medicine, physician's assistant, and nursing. *CE Code: 320M*

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### Skills: Presenting and Visualizing EMS Data

*Olmstead*

*Gabe Gan, MPH, NREMT, CPHQ*

Data is central to the operational, business, and public health functions of EMS. Campus EMS squads are frequently asked to present statistics and data from their operations to university and local officials, but often are limited in the tools and training they have to do so. This workshop will provide an introduction to creating effective visuals to present and explore EMS data. Using a powerful data visualization software called Tableau, we will use a sample data set to walk through relevant applications. \*Bring a laptop computer to this workshop with Tableau downloaded and installed. Tableau is free for students! *CE Code: 320N*

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

#### Advanced Assessment Techniques for EMS Professionals

*Belvidere*

*Justin Keller, NRAEMT, EMS-I, FAWM*

There are many different techniques used for physical assessment, yet many of these advanced techniques are not taught to EMS professionals during their initial EMR, EMT, AEMT, or paramedic classes. Instead, EMS professionals are commonly taught only to the standards of the NREMT and National EMS Education Standards. These standards do not include the more-advanced techniques. EMS professionals should be aware of these other physical assessment techniques. *CE Code: 321A*

#### From Awkward to Awesome:

*Back Bay A*

#### Turning Difficult Dialogues into Exquisite Exchanges

*Eric Garrison, MAEd, MSc*

Have you resorted to an email or text, because a face-to-face interaction would feel too weird? Before a disciplinary action, do you talk to your crew to figure out what they did wrong above all else? Have you or a member of your crew dated and broken up (or perhaps are still happily dating!) and that has become an uncomfortable situation? Have you left a meeting with Campus Police or "the Administration" feeling like less of a person? Finally, have you avoided any communication whatsoever (or micromanaged the communication), hoping that the problem would just resolve itself? If you answered yes to one of the above, Eric Garrison, an international speaker on healthy relationships and boundaries, invites you to learn how to craft a more effective communication style. This inspirational program is useful for anyone in collegiate EMS, whether you are a leader (with or without a position), a follower, a mentor, or protégé. *CE Code: 321B*

#### Meeting the Parents: The Occasional Thorn in Your Side

*Back Bay B*

*Rebecca Schwartzman, MS, ATC*

When you sign up to work with children, sometimes the most daunting part of the job can be the phone call home to the parent. How will they respond? Is this parent cool like the child, or a total maniac? Will they be mad at ME for delivering this news? What emotions are they experiencing? Will they question my judgement? Do I HAVE to call them?! Come learn strategies to effectively communicate with parents or guardians of minors: the bane of the existence of EMS providers, nurses, doctors, teachers, athletic trainers, coaches, and anyone else working with kids everywhere. In this lecture, you'll hear stories of communications that went well, some that definitely did not go well, and ways you can feel confident in your conversing. *CE Code: 321C*

#### North American Bites and Stings

*Back Bay C*

*Steve Lanwermyer*

The presentation will acquaint you with the various critters with sharp, moving parts scattered throughout North America. We will dispel common myths, provide a reality check on beneficial treatment plans, and describe effective prevention for traveling in wild animal territory. Though few of these are mortal threats, none of them are fun! *CE Code: 321D*

#### OSHA and EAP Plans

*Back Bay D*

*M. Carl Flesher, MSIS*

Based on OSHA guidelines, attendees will learn the basic elements of an Emergency Action Plan. Using a floor plan and list of employees, attendees will build a fire EAP for a bar/rock club. Participants will see EAP failures and successes taken right out of the headlines. BE PREPARED. *CE Code: 321E*

#### Rescue and Resuscitation of a Drowning Victim

*Constitution A*

*Tommy Renner*

Drowning kills an estimated 372,000 people each year, many of whom are children. Even more people suffer from the effects of non-fatal drownings. The good news is that all drownings are preventable. This presentation will look at drowning through an ocean lifeguard and public health perspective. Attendees will learn how improve the outcomes of drowning victims by understanding proven prevention, rescue and resuscitation techniques. TLDR: AHA recommends ABC over CAB for drowning victims. OXYGEN, OXYGEN, OXYGEN! *CE Code: 321F*

#### The Malicious and Monstrous Maladies of Disney

*Constitution B*

*Amy Eisenhauer*

We are all familiar with the reels of the denizens of Disney and the trials and victories they encounter; yet their medical ailments are hidden in plain sight without notice. Both mysterious and monotonous diseases

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affecting the residents of the realms of Disney will be discussed from Ariel to Mary Poppins. Come join the Siren on this voyage of discovery from under the sea and beyond. *CE Code: 321G*

### Don't Let the Bathtub Overflow: Why Resiliency is Important *Independence W.*

*Ann Marie Farina*

Every stressful event we experience fills up our "bathtub" a little bit more. Having resilience allows us to drain the bathtub before it overflows. This course provides an overview of what resilience is, why it is important, and what happens when we lack it. Attendees will also learn about different resilience factors and how they can be developed in order to improve resiliency. \*Calling a Code Alert & Don't Let Your Bathtub Overflow build off each other, but it is not mandatory to attend both.\* *CE Code: 321H*

### A Spoon Full of Sugar Makes the Pancreas Go Mad

*Commonwealth*

*Gary Hecker, RN, CCRN, EMT-CC, CIC*

Diabetes effects over 30 million Americans. It is the seventh leading cause of death in the United States. In this session we will discuss the pathophysiology of Diabetes. We will then describe the short and long term effects it has on the bodies different systems. Current and future trends in the treatment and management of diabetes will also be reviewed. *CE Code: 321I*

### Roundtable: Inside The Journal of Collegiate EMS

*Public Garden*

*Joe Caruso, Nick Friedman and Christopher Gaeta*

Meet the Team behind The Journal of Collegiate EMS (JCEMS), the official peer-reviewed journal of NCEMSF. Through an inside look at the operations of JCEMS and a lively Q&A session, we will tackle the following questions and more: How do I get involved in EMS research? How do I publish a manuscript in JCEMS? What is peer review? What opportunities are there to serve as an editor or reviewer? I'm interested in journalism, business management, marketing, or design...how can I join the team? At the end of the session, you will be on track to prepare a scholarly publication or to serve as a leader of a growing EMS journal! *CE Code: 321J*

### Skills: ECG Certification Course by ABF

*Olmstead (5th)*

*Sharon Bates*

Demonstrating good lead placement of an ECG is vital to better tracings, and to capture accurate ECGs in the field. This session is based on the online course created by the Anthony Bates Foundation (ABF) to teach appropriate lead placement. The online course has been proven to improve accuracy of ECG acquisition for the ABF Heart Screening stations. This presentation has two portions. First, a didactic portion to review the new on-line course. Then second, a hands-on practicum to review the concepts to obtain accurate ECG tracings. *CE Code: 321L*

### Skills: The Art of Suturing

*Jamaica Pond*

*CE Code: 321P*

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

### Initial trauma assessment and resuscitation

*Belvidere*

*Jacob Miller, APRN, ACNP, EMT-P*

Trauma accounts for a significant proportion of prehospital EMS calls, and unintentional injury remains the leading cause of death for Americans between 1 and 45 years of age. This presentation will review the "MARCH" assessment for initial trauma evaluation and management, present key BLS and ALS interventions that have been proven to improve patient mortality, and conclude with a targeted update on head injury care in light of the recently-published CRASH-3 and EPIC-TBI studies. *CE Code: 322A*

### If DaVinci Designed A Space Station

*Back Bay A*

*James Green, DC, FP-C, NREMT-P*

Intricate, resilient, adaptable, specific, complex, beautiful - this is a dynamic and unique tour of human physiology that will benefit providers of any level. This lecture is taught as a clinical presentation with imaginative 'story' overlays of a highly technical machine designed by artistic master Leonardo DaVinci. Part story, part clinical lecture, together we will explore the intricacies of human function to facilitate the best care for your patients. You'll never look at the human body the same way again. This is definitely NOT 'that chapter back in medic school' that you remember. *CE Code: 322B*

### Avengers Assemble!

*Back Bay B*

### A Perspective on Collegiate EMS Leadership

*J. Dominic Singh, NRP, I/C*

Collegiate EMS has a challenge unique to its setting: the turnover of your most experienced members at set intervals. Student leadership is left with a relatively short period of time to vet, train, and integrate new members. Standards are necessary, but how do you identify someone's strengths? And once identified how do you develop that member into the best technician they can be? Join me on a walk through the superhero universe for answers that can be applied to the real-world heroes in your membership. *CE Code: 322C*

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### More Than a Language Barrier: Working with Immigrants Prehospital *Jennifer Nielsen, MPH, EMT*

*Back Bay C*

Refugees and other recent migrants to this country face many challenges and obstacles, including access to high-quality and appropriate medical care. Many can arrive with significant medical needs, but a language barrier, cultural differences, and extremely limited resources can make these populations difficult to serve. This lecture will give providers a background on the socioeconomic factors that can affect immigrant health and the tools they need to successfully serve these populations in the field, without the resources of a hospital setting. *CE Code: 322D*

### Level Up, Transitioning from EMS to Emergency Management *Back Bay D* *Sean Jolliff, CEM and Matthew Green, MPA*

If you have had the thought “I’m graduating from college soon, now what do I do” then this session is for you! Have you never heard of Emergency Management? Attending this session will give you the down and dirty overview of what a career in emergency management entails. We’ll discuss how the skills you gained from participating in Collegiate EMS will help you prepare for an emergency management career in more ways than you think. You will hear from alumni who took very different paths in the transition from collegiate EMS to careers in emergency management. There is no “cookie cutter approach” to transitioning from EMS to emergency management, but we will try to help make that transition just a little bit easier and give you a few paths to consider. *CE Code: 322E*

### Injury & Illness at Sea, What EMS Providers Should Understand *Constitution A* *Phillip Brewer, MD*

The cruise industry has seen enormous growth over the past 15 years, each year breaking the previous year’s record for passengers of all ages. It is frequently necessary to evacuate passengers to shore side medical facilities due to acute illness or injury. This invariably involves hand-overs of care from ship-based medical personnel to local EMS staff. In order to optimize the quality of care, EMS systems and staff should be aware of the level of diagnostic and therapeutic capabilities on cruise ship medical facilities as well as the many issues involved when a cruise ship passenger’s trip is interrupted by sudden illness or injury. These include customs and immigration matters, language differences, insurance coverage, obtaining old medical records, lodging for family and more. *CE Code: 322F*

### Stress and Women in First Responder Roles *Amy Eisenhauer*

*Constitution B*

The presence of increased stressors in emergency response and the need for mental wellness among first responders is becoming commonly accepted in our communities, but is there a difference between how male and female first responders experience and process these stressors? This class will include discussion on stressors unique to female first responders, mechanisms and tools female first responders use to mitigate and respond to work related stress, and tools all responders can use to mitigate workplace stress. *CE Code: 322G*

### Pediatric Respiratory Emergencies *Mariacely Luciano-Feijoo, MD*

*Independence W.*

Children are not little adults. The pediatric population always presents a challenge for prehospital care providers. This lecture will review the most common pediatric respiratory emergencies, their presentation, and their management in the prehospital environment. *CE Code: 322H*

### Electric Scooters -- So Much Fun, So Damn Dangerous *Gabe Gan, MPH, NREMT, CPHQ*

*Commonwealth*

As the electric scooter craze grows among cities and campuses around the world, this fun and convenient mode of transportation continues to be a common cause of injury. This lecture will review the epidemiology, kinematics, and injury patterns associated with electric scooter injuries, EMS and hospital-based treatment trajectories, and relevant public health strategies and interventions that may curb the associated morbidity and mortality. *CE Code: 322I*

### Skills: Johnny is Lost: Introduction to Search and Rescue *Steve Lanwermeyer*

*Arnold Arboretum*

This workshop will allow participants to role play a Search and Rescue scenario in the Rocky Mountains. 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. *CE Code: 322J*

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

*Constitution B*

Review the weekend highlights. Take advantage of this final opportunity to network with your regional coordinators and your new-found friends from across the country. We hope that you leave this conference energized, and we look forward to hearing about your progress throughout the year through the regional coordinator network and in future editions of *The Journal of Collegiate EMS*.

## Boston, MA - Welcome to Bean Town!

For those spending some extra time in Boston, either pre- or post-conference, below are a few of the many attractions in and around the city - for more ideas visit: [www.boston.gov](http://www.boston.gov) or [www.bostonusa.com](http://www.bostonusa.com)

Once considered ultra-conservative and boring, Boston has become a world-class metropolis with endless ways to educate, enthrall, entice and, of course, entertain. Vibrant nightlife and a surge of innovative restaurants have added options to an existing stable of world-class museums and theaters.

## Museums and Galleries

Boston has a magnificent selection of art complexes—large to small, American to Asian, local to national. Many museums offer specials and discounts for students. Boston's enormous Museum of Fine Arts and the Isabella Stewart Gardner Museum are the best-known and most popular. Everyone loves the New England Aquarium and the Museum of Science, with its theater and planetarium. Newbury Street, South End and Brookline boast a diverse array of galleries, many of which showcase the region's up-and-coming artists.

## Theater and Music

Boston has dozens of theaters, including outstanding regional theaters and venues for touring Broadway shows. The Wang Center for the Performing Arts, the American Repertory Theatre and the Charles Playhouse are among the better-known. There is also a lively and varied music scene, including the world-renowned Boston Symphony Orchestra, which performs at Symphony Hall. Jazz clubs range from sleek hotel venues such as Scullers and the Regattabar to lively, standing-room-only favorites like Wally's Cafe and Bob's Southern Bistro. Irish music is also very popular, with live Irish sessions occurring almost nightly at the Brendan Behan Pub, The Burren and the Grand Canal.

## Nightlife

Boston has many options for the music lovers, young professionals and hipsters who enjoy the varied nightlife. A word to night owls: All establishments close promptly at 2a and the MBTA stops running at 12:45a. Lansdowne Street, located next to Fenway Park, boasts various clubs, each with a different theme. For a more polished atmosphere, consider the Leather District. Off the beaten path between South Station and Chinatown you will find numerous places catering to a cosmopolitan crowd.

## Getting Around Boston / Important Contact Information

If you drove to the conference, we recommend parking and leaving your vehicle until you are ready to depart - walk, take an Uber, Lyft or taxi or utilize public transportation. (NOTE: Parking at the Sheraton is \$65/day - includes in/out privileges; other local/cheaper options may exist). If walking, make sure to walk in groups and stay in well-lit areas.

**The T (MBTA - [www.mbta.com](http://www.mbta.com))**

Boston's subway system, rates as the fastest way to scoot around. The T stops running at 12:45AM. Fares are \$2.90/ride. The color-coded lines are easy to decipher.

- Red Line slices through downtown in a northwest/southeast direction servicing Harvard Square, MIT and South Station.
- Green Line wanders in a west/east direction accessing the Boston Common, Copley Square and Fenway Park.
  - The hotel is conveniently located 0.3 miles from the Hynes MBTA Station (Green Line) and 0.2 miles from the Prudential MBTA Station (Green Line - E) easily connecting you the entire city.
- Blue Line juts in a northeast/southwest direction stopping at Logan Airport, Suffolk Downs and the NE Aquarium.
- Orange Line drifts in a north/south direction depositing passengers at such noted stops as North Station, the Fleet Center and Chinatown.

***Boston Logan Airport (4 miles away):***

Estimated fares:

Taxi - \$30; Bus - <\$5; Subway - \$2.75

Consult the conference website for more details, including information on free transfers.

**Host Facility:**

**Sheraton Boston Hotel**

(617) 236-2000

39 Dalton Street, Boston, MA 02199

**NCEMSF**

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



## Lunch and Dinner Options

After a full morning, take a brief break to refuel. For lunch, we recommend one of the eating establishments in the Shops at the Prudential Center (800 Boylston St - [www.prudentialcenter.com](http://www.prudentialcenter.com)). There are plenty of options to fit any appetite and budget.

The hotel also has a restaurant - Market - that is open for breakfast, lunch and dinner.

For dinner, we encourage you to venture out, explore Boston and grab a bite at one of the many Boston restaurants - please consult the concierge or your favorite app for ideas. In addition, to those listed, there are a plethora of little restaurants and pubs along Boylston Street. Group up with another squad and eat together. After dinner, join your fellow NCMSFers at Club NCMSF and Casino!



### NEARBY DINING (from hotel website)

- *Top of the Hub* (0.1 miles) - Upscale American fare, live jazz, and renowned 360-degree views from the top of the Prudential Center.
- *Capital Grille* (0.7 miles) - Outpost of the upscale steakhouse chain offers classic American fare and a clubby, refined setting.
- *Sorelina* (0.8 miles) - A modern take on regionally inspired Italian-Mediterranean cuisine.
- *Summer Shack* (0.1 miles) - Celebrity chef Jasper White's raw bar & seafood shack, with upbeat, beachy décor & a relaxed vibe.
- *Earls Kitchen + Bar - Prudential Center* (0.2 miles) - A friendly, sophisticated setting to gather for lunch, dinner, after work drinks or a spirited night out. Enjoy a diverse, globally inspired menu, hand crafted cocktails and authentic hospitality.
- *Del Frisco's Double Eagle Steakhouse* (0.3 miles) - Indulge in hand-cut steaks and fresh seafood.
- *Kings Dining & Entertainment Boston-Back Bay* (0.1 miles) - Enjoy great seafood with your friends in a fun environment.
- *The Cheesecake Factory* (0.1 miles) - American chain restaurant offering sizable portions from a vast menu including signature cheesecake.

### THE SHOPS AT PRUDENTIAL CENTER

#### RESTAURANTS:

Anna's Taqueria  
California Pizza Kitchen  
Del Frisco's  
Dig Inn  
Earls Kitchen + Bar  
Eataly  
Eddie V's Prime Seafood  
Num Pang Kitchen  
Porto  
Sweetgreen  
The Cheesecake Factory  
Top of the Hub Restaurant and Lounge  
Wagamama Noodle Restaurant

#### KIOSKS/COFFEE/SNACKS:

Ben & Jerry's  
Blue Bottle Coffee  
Cold Stone Creamery  
DAVIDsTEA  
Dunkin' Donuts  
Godiva  
Nespresso  
Star Market  
Sugarfina

### BEST CHEAP EATS IN BOSTON (foodnetwork.com)

*You don't have to shell out a whole lotta beans at these affordable spots in Beantown!*  
KO Pies + Catering  
Mike's City Diner  
Lone Star Taco Bar  
Saloniki Greek  
The Smoke Shop BBQ  
Anoush'ella Kitchen  
Anna's Taqueria  
Tasty Burger  
El Pelon Taqueria  
Whole Heart Provisions  
Chilacates Mexican Street Food  
Saus  
Sullivan's  
Pleasant Café  
Gre.Co  
Bricco Salumeria  
Banh Mi Ba Le  
Santarpio's  
Pour House  
Woody's Grill and Tap

### BEST RESTAURANTS IN BOSTON (foodnetwork.com)

Seafood: Select Oyster Bar  
Pizza: Pizzeria Regina  
French Twist: Frenchie  
Chowder: Legal Sea Foods  
Barbecue: Sweet Cheeks  
Greek: Committee  
Oyster Bar: Island Creek Oyster Bar  
Hot Spot: Guy Fieri's Tequila Cocina  
Sports Bar: Banner's Kitchen & Tap  
Neighborhood Joint: Brassica Kitchen  
Cocktails: Eastern Standard  
Modern Italian: Sportello  
Classic Bakery: Mike's Pastry  
Late Night: Dumpling Palace  
Supper Club: The Beehive  
Doughnuts: Blackbird Doughnuts  
Italy by Way of Venice: SRV  
Hot Lobster Roll: Mare  
Dive Bar: Bukowski Tavern  
Steakhouse: Grill 23  
Tacos & Tequila: Loco Taqueria  
Brunch: Buttermilk & Bourbon

## Coming early? Staying Late? - [www.thefreedomtrail.org](http://www.thefreedomtrail.org)

*The Freedom Trail*, a 2.5 mile red brick path that connects sixteen nationally significant historic sites where American patriotism and democracy were born, runs between Boston Common, the Old State House and The Bunker Hill Monument and the U.S.S. Constitution.

**The Boston Common** - America's oldest public park, situated on 44 acres of open land, was used as a common pasture for grazing cattle. The Common later became a "training" field for the militia and was used as a British Army camp.

**The State House** - Completed on January 11th, 1798, and widely acclaimed as one of the more magnificent and well-suited buildings in the country, the State House is the seat of Massachusetts' state government.

**Park Street Church** - Ten people, including author Oliver Wendell Holmes, gathered in the mansion of William Thurston on Beacon Hill on February 27th, 1809, to discuss the organization of a church in this area. By mid-March, the committee had located this site and the Park Street Church was founded. "America" (My Country 'Tis of Thee), by Samuel Francis Smith, was first sung here.

**Granary Burying Ground** - The final resting place of many eminent Revolutionary era patriots, such as Samuel Adams, Peter Faneuil, Paul Revere, and John Hancock.

**King's Chapel** - In 1688, the Royal Governor built King's Chapel on the town burying ground when no one in the city would sell him land to build a non-Puritan church. By 1749, the building was too small for the congregation and America's first architect, Peter Harrison, was hired to design a church "that would be the equal of any in England." The new church was completed in 1754.

**King's Chapel Burying Ground** - is the final resting place of some of Massachusetts Bay Colony's most prominent citizens - John Winthrop, the Colony's first governor; William Dawes, Jr., who rode with Paul Revere to Lexington and Concord; and Mary Chilton, the first woman to step off the Mayflower in Plymouth Colony.

**Benjamin Franklin's Statue/Site of the First Public School** - As you follow The Freedom Trail down School Street, you will notice a half-smiling, half-serious statue of Benjamin Franklin outside the Old City Hall and a plaque on the sidewalk, marking the site of the first Public School, Boston Latin School (1635), which is still in operation in the Fenway neighborhood of Boston.

**Old Corner Bookstore Building** - At the Corner of School and Washington Streets, it was a flourishing literary center in the mid-1800s. The original building was destroyed by the Great Fire of 1711, and was replaced by the current structure built in 1718.

**Old South Meeting House** - Built in 1729, Old South Meeting House was a Puritan house of worship. It was from here that an outraged Samuel Adams gave the signal to proceed with the Boston Tea Party.

**Old State House** - was the headquarters of British government in Boston. It was just outside these doors that the Boston Massacre unfolded in 1770, and from this balcony that the Declaration was first read to the people in 1776.

**Faneuil Hall** - The "Cradle of Liberty," Faneuil Hall was built by wealthy merchant Peter Faneuil in 1742 and given to the town as a gift as an open forum meeting hall and marketplace. Here, Bostonians protested the British taxation policies and set the doctrine of "no taxation without representation."

**Paul Revere House** - The Revere House was home to silversmith and patriot Paul Revere when he made his famous ride in 1775.

**Old North Church** - On April 18th, 1775, Robert Newman, sexton of the Old North Church displayed two lanterns to warn Paul Revere and others of the British troop movements. Paul Revere's famous "midnight ride" began with that signal, and so did the American War for Independence.

**Copp's Hill Burying Ground** - is the final resting place of merchants, artisans and craft people who lived in the North End. Because of its height, the British used this vantage point to train their cannons during the Battle of Bunker Hill.

**U.S.S. Constitution** - The oldest commissioned warship in the world became known as "Old Ironsides" during the war of 1812 when she fought the British Frigate H.M.S. Guerriere. The Guerriere sank like a stone, while the cannonballs she fired at the U.S.S. Constitution merely "bounced off."

**Bunker Hill Monument** - "Don't fire until you see the whites of their eyes!" This famous order, attributed to Colonel William Prescott, has come to immortalize the determination of the ill-equipped Colonists facing the powerful British Army during the famous battle fought on this site on June 17, 1775. A 221-foot granite obelisk denotes the site of the first major battle of the American Revolution.



## Presenter Bios

### Benjamin Abo, DO, PMD, EMTT, 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 as an EMS physician, and he finished his residency in emergency medicine at Mount Sinai in Miami Beach & Ryder Trauma Center. Currently, Ben 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. Ben is 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). Ben's research interests include anything EMS, EMS for children, international EM/EMS, mentorship, resiliency in EMS, disaster medicine and wilderness/austere medicine. Ben is the proud recipient of NCEMSF 2013 EMS Provider of the Year for Heroism & Valor.

### Kathryn Ahnger-Pier, MPH

Kathryn Ahnger-Pier first became involved in EMS in 2005, joining the Mount Holyoke College Medical Emergency Response Team (MERT) as an EMT-B. She was elected Assistant Director of MERT in 2006 and Director in 2007, and was a teaching assistant for the school sponsored EMT class during this time. Kathryn graduated from Mount Holyoke in 2008 with a degree in Biology, and in 2012 received her Master of Public Health degree from the Boston University School of Public Health. She has been an epidemiologist with the Boston Public Health Commission Communicable Disease Control Division, and presently works as an epidemiologist with the Massachusetts Department of Public Health Immunization Division. Kathryn is also a former CPR/First Aid instructor for the American Red Cross, and was the NCEMSF Massachusetts Regional Coordinator from 2008-2013.

### Drew Anderson, PhD, EMT

Drew Anderson is an Associate Professor of Psychology at the University at Albany-SUNY. He is an active teacher and researcher at the University at Albany, and he also maintains a part-time private practice in the Albany area with a focus on cognitive-behavioral interventions. He has been an EMT since 2011 with Delmar-Bethlehem EMS (DBEMS), where he is currently a Lieutenant and Director of Behavioral Health.

### David Barber

David has more than 20 years of experience overseeing emergency response and training at MIT. He provides administrative, educational, and operational oversight of MIT's Emergency Operations Center and Emergency Response Liaison Team, and he has handled a wide range of situations from fires, spills, utility outages, and construction incidents to aviation accidents, weather-related emergencies, public health emergencies, and shooting incidents. David provides emergency management training to MIT's front line responders; Emergency Operations Center; Environment, Health, and Safety (EHS) coordinators and responders; and MIT Emergency Medical Services staff. In addition, David is certified by the Business Continuity Institute (BCI) and serves in leadership roles in international and national emergency management associations, including the International Association of Emergency Managers (IAEM). He serves as the Technical Director of MIT EMS.

### 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 she is a paramedic. Lisa is a Texas certified Advanced EMS Education Coordinator, and a certified teacher.

### Sharon Bates

In 2000, Ms. Bates founded the Anthony Bates Foundation (ABF - website: [www.AnthonyBates.org](http://www.AnthonyBates.org)) after the death of her son, Anthony, age 20. The foundation's program has influenced over 75 screening organizations across 44 states and 12 countries. In 2020, it is estimated that the active ABF trained groups will screen over 1,000,000 youth. ABF is instrumental in building education and awareness for cardiac screening for young people. In 2005, with the help of three other parents, she also Co-Founded, Parent Heart Watch (PHW - [www.ParentHeartWatch.org](http://www.ParentHeartWatch.org)) Combining efforts of parents, families, medical professionals, community leaders to save young lives from Sudden Cardiac Arrest a national movement was born. In 2015, she joined Sudden Cardiac Arrest Association Board ([www.suddencardiacarrest.org](http://www.suddencardiacarrest.org)).

### Hendrik Bilek, BSN, RN, NHDP-BC, PHRN

Hendrik is a registered nurse, certified pediatric trauma nurse, board certified national healthcare disaster professional, and prehospital registered nurse at the Children's Hospital of Philadelphia's Emergency Department. Hendrik is a team leader on the HERT team for the hospital, which includes in-hospital emergencies and decontamination of incoming patients. Recently joining the emergency transport team at CHOP as a PHRN, Hendrik transports some of the most critical and sick pediatric patients by ground and air to the hospital. He is also an EMS lieutenant and firefighter for the Tinicum Township Fire Company. Hendrik graduated from Drexel University with a BS in nursing and a minor in emergency management. While at Drexel, he was a part of Drexel EMS where he served as training lieutenant, captain, and chief.

### Suzanne Blake

Suzanne is a Certified Emergency Manager (CEM) with nearly 20 years of experience. At MIT, Suzanne manages all aspects of MIT's emergency management program in coordination with her amazing team, representatives from across campus, and MIT's senior leadership. She also serves as the Administrative Director for MIT EMS, MIT's student-run ambulance service. In addition, she has received the Certificate from the Business Continuity Institute (BCI), has completed the FEMA National Emergency Management Executive Academy, and is a graduate of MIT's Leader to Leader program. She received her bachelor's degree from Georgetown University in English/Writing, where she served as an EMT for the student-run EMS service, and her master's of environmental management degree from Duke University, where she focused her studies on climate resiliency in coastal areas. She also holds a certificate in Community Preparedness and Disaster Management from UNC Chapel Hill.

### James Boomhower, FP-C, NRP, CCISM

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

### Phillip Brewer, MD

Dr. Phil Brewer is the University Medical Director for Student Health and Campus EMS at Quinnipiac University. He has served as the medical director for the Disney Cruise Line and as a ship's physician for Holland America with extensive experience in the Caribbean, Alaska, Trans-Atlantic Crossings, and Europe (Baltic and Mediterranean).

### Dan Bruce, NRP

Dan Bruce is a paramedic and an alumnus of Rensselaer Polytechnic Institute, where he is still involved with RPI Ambulance. His degree in information technology and web science allows him to incorporate tech into the medical field, and his passion is making EMTs' and paramedics' lives and jobs easier. Dan works full-time as a paramedic at Worcester EMS and runs a residential construction company.

## Presenter Bios

### Koralia Burz, MS

Koralia has always had the passion for emergency medicine and "the science of people". Koralia has been in the leadership role ever since her early years. Currently, as the Director of Talent, Kori supports her team with training, leadership, talent acquisitions, and team building.

### John Casey, EMT-P

John Casey was the Director of Field Operations for UMass Lowell EMS for three years. He is now a Firefighter/Paramedic for the town of Lexington, MA, and is the General Manager of Lifeline Ambulance Service. John has extensive leadership experience as a clinical educator and in emergency preparedness. He has won many awards, including the 2010 NCEMSF Collegiate EMS Provider of the Year.

### Robert Cohen, MPA

Robert Cohen is a collegiate EMS alum. He began in emergency services as a volunteer firefighter in Katonah, NY in 2006, and became an EMT in 2008 at Binghamton University. He was an active member and former director of Harpur's Ferry and coordinated medical response and support at several large events and the 2011 Tropical Storm Lee flooding incident. Robert has worked at the NYC Office of Emergency Management for six years and is the Director of the Emergency Operations Center (EOC) Unit, focusing on improvements to EOC processes, management of the agency's on-call teams, and coordination of incident response. He has worked numerous emergencies in New York City and beyond, and designs and conducts trainings and exercises for emergency managers across NYC.

### N. Alex Cutsumbis, NRP

Alex is a graduate of the SHRS Emergency Medicine Program and has been involved in EMS since 2008. After initially having a career in Information Technology he volunteered with the Red Cross during hurricanes Katrina and Rita. He has worked as a field medic, EMS supervisor and Operations Director. He currently is the clinical coordinator and instructor for the University of Pittsburgh and Center for Emergency Medicine paramedic education programs.

### Cameron Decker, MD, LP

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

### Ryan Desrochers

Ryan is a current fourth year medical student at the Warren Alpert School of Medicine at Brown University applying for a General Surgery Residency. He is a previous member of UMass EMS, and he has a special interest in trauma surgery. His passion is in education - he has created and taught to students of all ages and levels from high school to medical school in topics such as anatomy, and organic chemistry.

### James Dlutowski, NRP

James began his EMS career in high school just north of Pittsburgh in 10th grade. Once certified, he joined the Seville Volunteer Fire Company. He was accepted to the University of Alaska, Fairbanks where he studied biochemistry and attended paramedic class at night, while volunteering with the campus and local Fire/EMS agencies. After graduating, he returned to

the Pittsburgh area and has worked in field, teaching and management positions throughout the region. Today, he is a crew chief at the City of Pittsburgh Bureau of EMS at Medic 3 and the Assistant Chief of Ingram Volunteer EMS.

### 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 EMT, she has served the New Jersey EMS 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.

### Ann Marie Farina

Ann Marie is one of the founders of The Code Green Campaign, a first responder oriented non-profit organization focused on suicide prevention and mental wellness in the workplace. Prior to her time at Code Green, she worked as a paramedic and an educator, primarily in Alaska and Washington. Ann Marie holds several certifications related to mental health, along with an Associate in Applied Science in Paramedicine from the University of Alaska Fairbanks and a Bachelor's in Psychology from Central Washington University with a minor in non-profit management.

### M. Carl Flesher, MSIS

Carl has been an EMT since 1978 and in 1980 started the ERT at King's College where he earned a BS in Business and Marketing. He has been a firefighter, fire-captain, scout master and college professor. Carl currently is an EMT instructor, OSHA Instructor, MOAB Instructor and Safety Officer.

### Mark Forgues, Med

Mark Forgues has more than 40 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; and Technical Advisor of the Massachusetts Institute of Technology Emergency Medical Services.

### Adam Fox, DO

Adam Fox is an Associate Professor of Surgery 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 Medical Director of the JEMSTAR Air 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 Trauma Critical Care Team (TCCT) 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.

### Eric Garrison, MAEd, MSc

An international speaker on Title IX, sexual assault, and trauma-informed response, Eric also chairs both the Sex Counselor Certification Committee of AASECT and the Virginia Campus Task Force to End Gender-Based Violence. As a current Assistant Director of Health Promotion at William & Mary, Eric also served the historic university as its sexual assault prevention specialist for five years and as the instructor for its first course in Masculinity Studies. Over three decades, Eric has trained EMS providers, police, firefighters, doctors, medical

## Presenter Bios

students, Greek Letter Organizations, and NCAA teams from around the corner to around the globe - from Oxford, Mississippi, to Oxford University. As a world-renowned author and sexologist (both clinical and forensic), Eric also presents on sexuality and healthful relationships to countless universities with NCEMSF membership. Because of his outstanding reputation as a dynamic speaker and his consistently high evaluations with our attendees, Eric is back again for multiple sessions this year at his 17th consecutive NCEMSF conference. You can reach Eric over the weekend and in the future at 800.814.1969 or at [www.ericmgarrison.com](http://www.ericmgarrison.com).

### Matthew Giacopelli, NRP

Matthew earned a BS in Meteorology and Oceanography from SUNY Maritime College. He got started in EMS there in 1991 and became an EMT in 1992 and a Paramedic in 2000. He has had experience in many different aspects of EMS, including urban, suburban and rural settings doing 911, inter-hospital, and air medical, but he still will not say "I've seen it all".

### Thomas Goode, MS, NREMT

Tom Goode is a statistical analyst at the RAND Corporation who researches public health, homeland security, and national security policies. His work supports a variety of clients including the Office of the Secretary of Defense, the United States Navy, the United States Air Force, members of the Intelligence Community, the Department of Homeland Security and its component agencies, and the Department of Health and Human Services. While earning his bachelor's and master's degrees in statistics at Carnegie Mellon University, he conducted research at the intersection of statistics, prehospital medicine, and emergency medical operations; this included work to improve forecasting methodology for ambulance demand in urban environments with CMU faculty, visualize complex cardiac arrest treatment data with faculty at the University of Pittsburgh's Department of Emergency Medicine, and explore the impact of continuing education on patient care with City of Pittsburgh Bureau of EMS administrators. Currently, he continues to support EMS researchers, advises CMU students applying statistical methods to EMS data, and is the statistical reviewer for the Journal of Collegiate EMS, a peer-reviewed publication. Tom is an active emergency medical technician with clinical, operational, and incident management experience. He continues to work and volunteer as an EMT on the weekends with local services including Carnegie Mellon University Emergency Medical Service, where he served in a variety of leadership roles during his undergraduate and graduate studies.

### Christian Grant, NRP, FP-C

Christian Grant is a graduate of Northeastern University, where he obtained his BS in Chemistry. Christian was also the Director of Operations for NUEMS during its initial start up. Christian has been working in EMS since 2010, obtaining his paramedic in 2012. Christian has worked in many busy urban EMS systems and now currently works full time as a Flight Paramedic for Boston MedFlight. He also still maintains a per diem position at Worcester EMS, where he worked as a full-time prehospital provider.

### James Green, DC, FP-C, NREMT-P

Jim Green has worked in health care for 22 years as a clinician, educator and an EMS provider. Currently a full time Flight Paramedic with STAT MedEvac, Jim teaches exactly as he practices, with a passion to help others. He began in health care in 1997 as a Doctor of Chiropractic and shortly after the events of 9/11 transitioned to a career in EMS. Jim is committed to continuously developing himself as a critical care paramedic and with his unique experience he enjoys creatively inspiring those around him in EMS as an educator. Jim is also the founder and director of Mission Ready, a program that is dedicated to first responder professional development and promoting excellence in the field.

### Matthew Green, MPA

Matthew Green joined his campus EMS agency as a freshman pursuing his degree in New Media Communications. His experience as a Collegiate EMS leader inspired him to continue down the path of public safety and emergency management.

Since graduating in 2012, Matt has transformed his new media degree and first responder experience into a unique journey through the public and private sectors of the emergency management industry. Matt currently serves as the Director of Engagement for Epicenter Media & Training, working to foster innovation throughout emergency management and overseeing a deployment support unit that recently spent a year in Puerto Rico after Hurricane Maria. He's also an adjunct professor for the Metropolitan College of New York's Emergency & Disaster Management program. Through a foundation of Collegiate EMS leadership, Matt has been able to assist through all phases of the disaster life-cycle for some of the most significant events of the last decade, including hurricanes, rail and aviation incidents, and acts of terror.

### Gary Hecker, RN, CCRN, EMT-CC, CIC

Clinician, Educator, Leader, Gary brings 33 years of EMS experience to the table. An alumnus of Stony Brook Volunteer Ambulance (SBVAC) and Brooklyn College EMS, he is an original and lifetime member of NCEMSF. Gary has held paid and volunteer positions in the NYC 911 system. He is an Ex-Captain for EMS at the Baldwin Fire Department on Long Island, NY. An EMS Educator for 30 years, Gary is a New York State Certified EMS Instructor. His nearly 30 year career as a Registered Nurse includes clinical experience in Emergency and Critical Care. After 20 years in Hospital based Nursing Education, Gary is now a trainer for the Special Pathogens Biocontainment program at a major teaching hospital in NYC. In his not so spare time, Gary is also a member of a Federal Disaster Medical Assistance Team (DMAT).

### Mariah Henderson, PA-C

Mariah Swiech Henderson (she series pronouns) is a physician assistant at Tufts University Health Service. She graduated from Brandeis University in 2012 after serving three years on the Brandeis Emergency Medical Corps. She has worked in both fire-based and private EMS, as an EMT instructor, and in an emergency department. Since completing her physician assistant training at Northeastern University in 2016, she has worked in primary care and continues to teach PA students and EMTs about LGBTQ health.

### Douglas Hexel

Doug Hexel has been in Emergency Services since 2004; working for private, commercial, and municipal agencies throughout New York State. He currently serves as a professional Firefighter/Paramedic for the City of Schenectady, Rescue Specialist for NY-TF2, Paramedic Instructor at the State University of New York at Cobleskill, and Shift Commander at the Albany County Sheriff's Office EMS Division - where he also teaches for the Police Academy. He is a New York State Certified Instructor Coordinator (CIC) and holds Technician Level Certifications in Rope, Confined Space, Trench, Swiftwater, and Collapse Rescue. In 2018, he started RescueMedNY to pursue his professional passion of educating Paramedics and Paramedic Students in all realms of EMS and Technical Rescue, as well as removing the stigma of "FireMedics" among providers.

### David Hiltz

David Hiltz is Director of Quality at Code One Training Solutions, LLC. David serves on the American College of Cardiology Early Heart Attack Awareness committee, is the Director of the Citizen CPR Foundation HEARTSafe program and chaired the Cardiac Arrest Survival Summit in Seattle, WA.

### Megan Hollern, MA, BSN, RN, NRP

Megan Hollern is the Certification Analyst at the National Registry of EMTs with responsibilities to continued competency, recertification processes, and the organizational and board policies and procedures. She has over 15 years of experience in the field of emergency medical services as an EMT/Paramedic and got her start on a campus EMS team. Megan has a master's degree in Management and Leadership from Webster University and bachelor's degrees from Ursinus College in Exercise Sports Science and the University of Cincinnati in Nursing.

## Presenter Bios

### Sean Jolliff, CEM

Sean Jolliff is a Certified Emergency Manager who began his EMS career in 2011 when he joined SUNY Cortland EMS. He was fortunate enough to serve in several leadership positions, including Chief during his time with SUNY Cortland EMS. Following graduation, he served as a Team Leader in the AmeriCorps NCCC FEMA Corps program supporting disaster Response and Recovery in Colorado following the devastating 2013 floods. Following completion of FEMA Corps, he began his current career with FEMA. He has served on a FEMA National Incident Management Assistance Team (IMAT), has led After-Action reviews of multiple National Level Exercises and Disasters, and served as an advisor to FEMA Senior Leadership. He has supported multiple Major Disaster Declarations, National Level Exercises, and Interagency Responses to include the 2014 International Ebola crisis, the Flint, MI water crisis, and the 2017 and 2018 Hurricane Seasons. Throughout his Emergency Management career, he has remained an active first responder and serves as an EMT and EMS Lieutenant with Vienna Volunteer Fire Department in Vienna, VA.

### Justin Keller, NRAEMT, EMS-I, FAWM

Justin is an Advanced EMT and EMS Instructor in Pennsylvania. He teaches free continuing education to EMS providers through his company, I4 Consulting LLC. He also assists with the instruction of initial EMT certification classes. He is a Fellow of the Academy of Wilderness Medicine.

### Kyle Kotowick, PhD, EMT

Kyle is the CEO of a tech consulting firm in Ottawa, Canada, that he founded after completing his PhD in Human Systems Integration at the Massachusetts Institute of Technology. His work and research focus on developing technological systems for use by emergency workers and military personnel. Prior to graduating, Kyle served as a Supervisor and Director of Information Technology with MIT Emergency Medical Services for five years.

### Leah Krueger, MD

Leah Krueger graduated from the University of Wisconsin with a BS in Biology and Psychology in 2011 and an MD in 2016. She completed a family medicine residency through the Medical College of Wisconsin at the Fox Valley Family Medicine Residency Program in Appleton, WI. She is currently practicing outpatient family medicine in Plover, WI.

### Robert Laford

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

### Steve Lanwermeyer

Steve began working for NOLS Wilderness Medicine in 2003 after earning a BA in International Political Economy from the University of Puget Sound. Since then, between teaching WFR courses, Recerts and WFAs, he has punched his work and fun clocks as the medic for a group of university students on a year-long trip across Asia, as Education Director for field studies programs in island ecology and marine biology, and as a designer/installer of renewable energy systems in Ecuador and throughout coastal Alaska. In 2012 he'll be working on a project to install solar powered electrical systems for lighting, communications equipment and chlorine generating units used

to disinfect contaminated water at seven health clinics across rural Nicaragua. Either behind the oars or up front with his fly rod Hozzler, he's happiest when floating downstream somewhere... Look for him this summer raft or fly fishing guiding near his southeast Alaska home or at a NOLS Wilderness Medicine course coming your way soon!

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

Dr. Benjamin Lawner is the medical director for the Maryland ExpressCare critical care transport program. He is a practicing emergency and EMS physician. Dr. Lawner's interests include resuscitation, medical education, and airway management. He is a lifetime member of the NCEMSF and started the University of Florida's Basic life support Immediate Kare (BIKE) team while working as a paramedic for Alachua County Fire Rescue.

### Alice Lin

Alice Lin is currently Chief of MIT EMS. She is responsible for overseeing the actions, performance, and medical care provided by MIT EMS. She also is responsible for maintaining relations with the MIT medical administration, professional EMS, Cambridge Fire Department, MIT police, Boston EMS, Medical Control, and any other external agency with which MIT EMS interacts.

### Robert Liotta, MD

CAPT Robert Liotta earned a Bachelor of Science Degree in Chemistry from the United States Naval Academy in 1997 and earned his Medical Degree from the Uniformed Services University of the Health Sciences (USUHS) F. Edward Hebert School of Medicine in 2001. His first operational assignment was as the Medical Department Head for Marine Tactical Electronic Warfare Squadron 1 based out of Cherry Point, NC where he deployed to Iwakuni, Japan with operational detachments to Guam and Osan, Korea. From December 2004 to June 2005, he served as the Medical Department Head for Marine Unmanned Vehicle Squadron 2 where he deployed to Al Taqaddum, Iraq in support of Operation Iraqi Freedom. In July 2005, CAPT Liotta began his residency in Diagnostic Radiology at the National Naval Medical Center in Bethesda, MD. Upon completing fellowship, CAPT Liotta was assigned to Walter Reed National Military Medical Center as the Chief of Cardiothoracic Radiology where he helped establish the first Lung Cancer Screening Program within the Department of Defense. From 2014- 2015, CAPT Liotta served as the Chief of the Diagnostic Radiology Service, Navy Intern Director, and Assistant Chief of Graduate Medical Education. In June 2015, CAPT Liotta began serving as the Deputy Director for Clinical Support until he was chosen to join the Board of Directors at Walter Reed National Military Medical Center as the Director for Education, Training, and Research. In August of 2019, CAPT Liotta accepted an appointment to serve as the Associate Dean for Recruitment and Admissions at USUHS.

### C Lombardi, RN, CCRN

C Patrick Lombardi graduated from the University of Delaware with a BA in Biology and a BSN in February 2018. Having worked in EMS since 2012, the topics of education and mentorship, field training, and out of hospital cardiac arrest remain areas of professional interest. C Lombardi currently works at the University of Maryland Medical Center on the Medical Intensive Care Unit as a registered nurse.

### Justin Lonczak, MSN, CCRN, EMT-P

Justin is a flight nurse practitioner with Cleveland Clinic Critical Care Transport. He earned his MSN from Malone University in 2019. Prior to this he was a flight nurse with Cleveland Clinic for 5 years. Initially, after completing nursing school he worked in the Cardiovascular Surgical ICU at Cleveland Clinic for 3 years. He graduated college in 2008 from John Carroll University. During his time at JCU, he worked for its EMS department. Currently, he also works as a firefighter/paramedic with the Broadview Hts. Fire Department. He is a state certified EMS instructor.

### Raymond Lovell, NREMT-P

Raymond Lovell became an EMT-Basic and joined the University of Rhode Island Emergency Medical Services in 2008. Raymond

## Presenter Bios

### Kenneth Navarro, MD

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

### Jennifer Nielsen, MPH, EMT

A 2019 graduate of Case Western Reserve University and a 4-year member of CWRU EMS, Jenny Nielsen now works as a Refugee Case Manager at Catholic Charities of Cleveland Migration and Refugee Services.

### Michael Overmyer

Mike Overmyer is currently the EMS coordinator at Arizona State University. He started as a volunteer EMT in his hometown of Glen Ridge, NJ then moved to Tempe, AZ in 2013. Once in Arizona, he volunteered with Arizona State University EMS serving as chief during his senior year. After graduating, Mike got hired on full time at ASU as the EMS coordinator. He holds a bachelor's in Criminal Justice and a Masters in Emergency Management and Homeland Security and plans on continuing his career in EMS.

### Joseph Palfini, BSN, RN

Joe has spent 25 years in EMS and 22 years in nursing, with a focus in Trauma and Critical Care. He served as a Hospital Company Commander during Operation Iraqi Freedom, and almost 10 years as a flight nurse at San Antonio Airforce, a rotor-wing air medical company in South Texas. Joe joined STRAC in 2007 and has helped to develop several initiatives, including the Texas Emergency Medical Task Force, the Remote Trauma Outcomes Research Network, the Regional Whole Blood Program and others. He serves as a Task Force Leader with the Texas EMTF Program, holds the position of Captain with his rural Volunteer Fire Department in Kingsbury, Texas and also works as a Search Manager and Canine Search Specialist with a state Urban Search and Rescue Team.

### Logan Ramos

Logan is an EMT and a junior at Rensselaer Polytechnic Institute studying computer science and information technology and web science. At RPI Ambulance, Logan previously served as second lieutenant and is currently a crew chief trainer, an event supervisor, and a member of the Training Committee. In addition to his medical and operational roles at RPIA, he is a part of the development team, integrating technologies to fix everyday problems and make the agency more efficient.

### Samuel Reddick

Sam Reddick is a junior at Rice University majoring in kinesiology with a minor in biochemistry and cell biology. As captain of Rice EMS, Sam is responsible for all patient care and operational aspects of the organization and oversees the work of the lieutenants, coordinators, and duty crew.

### Andrew Rosenblum, MSPH, CPH

Andrew is a public health professional with experience in civilian and military public health, EMS and emergency management. He began in EMS with the Virginia Beach Department of EMS as a Water Rescue Tech, eventually becoming an EMT and then EMT-I. At Johns Hopkins, he was the Captain of the Hopkins Emergency Response Organization (HERO) and continues to support HERO projects. Professionally, Andrew has worked with various federal agencies in public health and emergency management roles. He currently works with the US military on public health preparedness.

### Stu Rosenhaus, EMT, CIC

Stu's experience comes from a variety of areas within healthcare. He has been a leader and educator in the EMS sector, coordinated wellness programs for students and staff on a college campus, and supervised blood donor programs at

two area hospitals. A lifelong EMS volunteer, getting his start with Brooklyn College EMS, he has over 25 years experience in EMS education and patient care. Stu currently works at Coney Island Hospital as an Associate Director with the Emergency Management Department and Administration and as an Adjunct Instructor at Brooklyn College. Stu holds a Bachelor's degree in Community Health and Education from Empire State College (SUNY) and is a NYSDOH Certified Instructor Coordinator and an American Safety and Health Master Instructor Trainer.

### Michael Schon

Special Agent Michael Schon is a member of the United States Foreign Service, serving with the Department of State, Diplomatic Security Service (DSS). A graduate of Colgate University and an NCEMSF alum, his background includes a variety of experiences in fire/rescue/EMS and emergency management. As both a Federal Law Enforcement Agent and an EMT for the State Department, SA Schon started his career with DSS in the New York Field Office, and currently serves on the Secretary of State's Protective Division.

### Rebecca Schwartzman, MS, ATC

Becky got her start in emergency medicine as a volunteer for Katonah-Bedford Hills Volunteer Ambulance Corps back in 2007. Since then, she has worked as an EMT and later as a paramedic in many cities, as well as volunteering with SUNY Cortland EMS during her time in college, and with Harpur's Ferry Ambulance while she earned her paramedic certification post-college. She has been a Certified Athletic Trainer since 2012, and has worked with athletes of all ages and levels. Becky is the Head Athletic Trainer at The Berkeley Carroll School in Brooklyn, NY where she provides medical coverage for student athletes for games and practices, designs and carries out injury rehabilitation, and completes paperwork almost as tedious as PCR's.

### Richard Shok, BSN, 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, I/C

Dominic has been engaged in EMS for 22 years and is the current staff advisor to UMass Amherst EMS. He is also the Chief of Operations for Spencer EMS and a career firefighter/paramedic for Amherst Fire (both in Massachusetts). Prior to these positions he worked in private, municipal, and non-profit settings in both rural and urban environments, and continues to be active in EMS event management, training, and field response.

### Brandon Skwarto

Brandon has been working in EMS for the past 3.5 years. He first worked for a private ambulance company in the southeast coast of Massachusetts before working as a QA/QI consultant for a community paramedicine program sponsored by a non-profit health insurance company in Boston. He attended the University of Massachusetts where he spent his senior year serving as the Director of Training before graduating with degrees in Biology and Applied Mathematics and Statistics. He currently works in the Emergency Department at Baystate Medical Center in Springfield, MA.

### Delia Sosa

Delia Sosa is a recent graduate of the University of Chicago and a former Co-Chief of the University of Chicago Emergency Medical Services (UCEMS). She attended NCEMSF as a college junior and was able to bring leadership skills and new initiatives back to her unit. Now a Master's student at Tufts University School of Medicine, she hopes to give back to NCEMSF for the benefit of current and future EMS squads and first responders.

## Presenter Bios

furthered his education by obtaining his RI EMT-Cardiac license in 2011 and became a Paramedic in 2019. He has extensive experience in campus, municipal, and private EMS, working for two towns and two private ambulance companies in addition to collegiate EMS. Raymond currently serves as the Vice Commander at URI EMS and works in private security.

### **Mariecely Luciano-Feijoo, MD**

Mariecely graduated from medical school at the University of Puerto Rico School of Medicine in 2016 and went on to complete an emergency medicine residency there from 2016 to 2019. She had the experience of working before, during and after Hurricane Maria hit PR. She is currently in the course of completing the EMS Fellowship at the University of North Carolina at Chapel Hill.

### **Daniel Maas, CEM, EMT**

Dan is an Emergency Manager with the Cornell University Office of Emergency Management and serves as advisor of the Cornell University EMS, 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 38 years with extensive experience in EMS, fire, technical rescue, hazardous materials, and emergency management. Dan has been a volunteer firefighter-EMT with the Ithaca and Dryden Fire Departments for the last 31 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.

### **Kathleen McHugh, MPH**

Kathleen McHugh is an Implementation Specialist at the University of Pittsburgh Program Evaluation and Research Unit (Pitt PERU) where she provides technical assistance on the Strategies to Coordinate Overdose Prevention Efforts (SCOPE) EMS & Fire Departments and SCOPE First Responder projects. Kathleen also has experience providing technical assistance to county coalitions for overdose reduction through the Pennsylvania Overdose Reduction Technical Assistance Center (TAC). Kathleen earned a Master's in Public Health from the University of Connecticut, where she was also awarded the Holger Hansen Fellowship. Prior to joining the team at Pitt PERU, Kathleen's background was in program evaluation and health education.

### **Faroukh Mehkri, DO**

Faroukh Mehkri grew up in Texas. He graduated from Rice University and then medical school at University of North Texas Health Science Center. He is currently an Emergency Medicine resident at the University of Connecticut - Hartford Hospital. He has also served as a Dallas Police Officer in the Strategic Deployment Bureau.

### **Peter Melan**

Peter is a local government consultant, a councilperson in the City of Easton, PA, public speaker, peer consultant for the Pennsylvania Department of Economic Development, and author for several online publications. He is in his final year of graduate studies in Public Administration at Ohio University and is known for his creativity in solving problems using non-traditional methods. In addition to his experience in project management and data analytics, he maintains an EMT certification and remains involved with public safety groups.

### **John Mercun, MA, EMT**

John Mercun has been involved in EMS for almost 20 years, joining his local rescue squad the day after his 18th birthday. Since then, John has been both a volunteer and paid EMT in urban and suburban EMS. A graduate of Fordham University, John is an ex-Captain and life member of Fordham EMS. Today, he is an active life member of the Hoboken Volunteer Ambulance Corps and serves as a field trainer. When not volunteering, John works on product development in the financial technology industry.

### **Johannah Merrill, MD**

Joey grew up in Charlottesville, VA, where she attended all of her schooling before moving to Rochester, NY to complete an Emergency Medicine residency. She currently works at the University of North Carolina as an EMS fellow and will be moving to work in Boston following completion of her fellowship.

### **Jacob Miller, APRN, ACNP, EMT-P**

Jacob Miller is a Certified Nurse Practitioner and Clinical Nurse Specialist with background in flight, critical care transport, and emergency nursing. Jacob received his Master of Science in acute care from the University of Maryland's Baltimore campus and post-master's certificates in family practice and advanced practice flight nursing from Case Western Reserve University in Cleveland. In addition to his nursing career, Jacob is also a Nationally Registered Paramedic with volunteer, commercial, and aeromedical EMS experience. He previously served as crew chief, clinical supervisor, and quality and safety officer for Case Western Reserve University EMS during his post-graduate coursework. Jacob currently works as a flight nurse practitioner with University of Cincinnati Air Care.

### **Mark Milliron, MS, MPA, MHS**

Mark Milliron has over 37 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, Mark served on the NCEMSF Board of directors from the Board's inception in 1995 to 2011 as Chairman, Treasurer, and Director-at-Large. Mr. Milliron is currently employed in Public Health by the Pennsylvania Department of Health and has taught courses in health policy and emergency management for the Pennsylvania State University and Purdue University Global.

### **Lucian Mirra, MEd, NRP**

Lucian has been involved in EMS since obtaining his EMT in 2004 while still in high school. While a student leader at Christopher Newport University, he led an effort to increase AED coverage on campus, as well as served as a lieutenant at a local rescue squad. He simultaneously completed his paramedic certification at Tidewater Community College and was then hired as a firefighter/paramedic for a large department in the DC Metro Area after graduation. After several years in the fire service he continued his education at the University of Virginia where he earned a Master's degree from the Curry School of Education. He was subsequently hired as the university's first Emergency Management Coordinator, before transferring to UVA Health as a Medical Emergency Educator. He is currently a Paramedic Captain with the Western Albemarle Rescue Squad where he serves as the Training Officer, and is an adjunct fire instructor for Albemarle County Fire Rescue.

### **John Montes, NREMT**

John Montes is an Emergency Services Specialist at the National Fire Protection Association, currently assigned as staff liaison to the technical committees for EMS, Fire Service Occupational Safety and Health, Hazardous Materials Response, and Cross Functional Emergency Preparedness and Response. A nationally registered EMT, John has worked in EMS in several different roles, from the private service to Boston EMS, to serving as an EMS Duty Chief and EMS Specialist for the County of Santa Clara EMS Agency. In his role at the NFPA, John is assigned as representative to the Joint National EMS Leadership Forum, National EMS Advisory Council, NFPA 3000, Department of Homeland Security's First Responders Working Group, and the Road to Zero Coalition.

### **Brendan Mulcahy, DO, PHP, PA**

Brendan is currently an Emergency Medicine Resident at Allegheny General Hospital. He has been involved in EMS and Fire for over 10 years. He serves as a prehospital physician and operational supervisor for Ross/West View EMSA. He also serves as the Battalion Surgeon for the 1/112th Infantry of the Pennsylvania Army National Guard.

## Presenter Bios

### Erin Straw, MPH

Erin Straw is a Project Director at the University of Pittsburgh Program Evaluation and Research Unit where she oversees all public safety programs including, Strategies to Coordinate Overdose Prevention Efforts (SCOPE) EMS & Fire Departments, SCOPE First Responders, SCOPE NIJ, and SCOPE Curriculum. Prior to directing, Erin specialized in program implementation and evaluation for overdose reduction throughout Pennsylvania as part of the PA Overdose Technical Assistance Center (TAC). Erin earned a master's degree in public health, specializing in environmental and occupational health, with a certificate in risk assessment from the University of Pittsburgh. She also holds two bachelor's degrees in psychology and natural science from the University of Pittsburgh.

### Constantine Sypsomos

Constantine is a career firefighter since 2007, and previously served as a volunteer since joining in 1997. His EMS career began in 2001. Constantine has an extensive background in fire/rescue/EMS operations. Constantine holds many instructorships including NJ Level 2 Fire Instructor, PHTLS, TECC, AHA BLS, multiple NAEMT courses, and many more. He brings a simple yet diverse outlook to his presentations.

### Stephanie Therrien, NREMT, OEC, NSP

Stephanie completed her bachelor's degree in 2012. She majored in Biology with a concentration in Health Sciences. Since moving to Boston in 2014, she worked for Atrius Health where she co-developed a Medical Weight Management service line and functioned as the department's medical assistant, coordinator, manager and advocate. Simultaneously, she acquired an NREMT license through Boston University and worked part-time for a local ambulance company. In 2016, she transitioned from actively working as an EMT to teaching EMS education for Boston University, where she continues to work per-diem as an EMS and Wilderness First Aid instructor. She currently works as a Senior Consultant in ambulatory services for Brigham and Women's Hospital.

### Ciara Thomas

Ciara is a Firefighter/EMT, Crime Victim Counselor, Behavioral tech, MOAB instructor and PA student at DeSales University.

### Becky Valentine, EMT-P, NCEE, MA I/C

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

### Carolyn Vanek, AEMT

Carolyn is an alumna of Carnegie Mellon University, where she volunteered with CMU EMS for 4 years, serving the roles of

Crew Advocate, Chief, and Supervisor. She continues to work with CMU EMS as a member of the board of advisors. Carolyn graduated in 2018 and spent one year working for a rural EMS agency and earning her Advanced EMT certification. She is currently a first-year medical student at Baylor College of Medicine in Houston.

### Robert Waddell

Bob is the Training Manager for SAM Medical, Inc. He has an extensive EMS and Emergency Medical background starting in 1975. He completed Paramedic training in 1980, and for over 40 years his experience includes working extensively at the local, regional, national, and international levels in various aspects of the EMS profession. He has been recognized for his expertise and excellence in prehospital and emergency care by numerous organizations, agencies, and governments across the US and around the world. Bob firmly believes that every EMS Professional, paid or volunteer, must be dedicated to providing the highest quality of care to each and every patient.

### Jada Wang, MS, NREMT-P

Jada Wang obtained her Bachelor and Master of Science in Biology at Arizona State University (ASU), and she has been involved with ASU EMS since 2014 when she first started at ASU. Jada has previously served as the EMS Coordinator for the organization. She has successfully completed a vehicular internship with Phoenix Fire Department, and is now working as a paramedic in Scottsdale, AZ, and is an adjunct faculty for Maricopa Community Colleges.

### Chris Wend, NRP, FP-C

Chris is currently a first-year medical student at the George Washington University School of Medicine and Health Sciences. He is still involved in EMS as a contracted paramedic for GW's event medicine group and for the Johns Hopkins Lifeline Critical Care Transport Team. He also remains involved in the fire service as a volunteer firefighter and hazmat technician in Bucks County, Pennsylvania. Chris is a previous Captain, Lieutenant and Stop the Bleed Coordinator for "HERO," the collegiate EMS service at Johns Hopkins University.

### Lauren Wilson

Lauren Wilson is pursuing degrees in biomedical science and global health at Barrett, The Honors College at Arizona State University. In the future she hopes to obtain a master's degree in global health, and continue researching the intersection of healthcare and human trafficking. She proudly serves the ASU community as an EMT.

### Meghann Zapcic

Meghann is a current fourth year medical student at the Lewis Katz School of Medicine at Temple University applying for an Emergency Medicine Residency. She previously served at the Director of Operations for UMass EMS, and hopes to pursue an EMS fellowship following residency. Her interests and research have focused on education for prehospital providers as well as community members from Stop the Bleed and CPR training to mass casualty incident preparedness.

## 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 Bios

### Zachary Blickley, NRP

Zachary is a senior at The University of Pittsburgh. He is in the Emergency Medicine Program, pursuing a BS in Emergency Medicine at Pitt. Zach was first certified as an EMT in August 2017. He worked for Foxwall EMS as a volunteer for 1.5 years where he became familiar with EMS. Zach became certified as a Nationally Registered Paramedic in April 2019. He currently practices in Allegheny County and Bucks County in Pennsylvania. In April 2020, Zach will sit for the FP-C Exam to become a certified Flight Paramedic. He serves as the Public Relations Chair for Pitt Student EMS.

### Julia Debertin

Julia is from St. Paul, Minnesota and studies International Relations at Tufts University. She works as an EMT for Tufts EMS and serves as the Executive Director of the organization. Julia also performs research for a Civil and Environmental Engineering lab. She has spent the past two summers of college working as an EMT in Minnesota, studying at SciencesPo in France, and working for a congresswoman in Washington, DC.

### Michael Dente

Mike is a senior at Tufts University majoring in biology. For three years, he has worked as an EMT for Tufts EMS with roles as a preceptor and as finance director. In addition to EMS, a major component of his college experience has been doing research in biomedical engineering. Through all of this he has gained an incredible love for healthcare and hopes to pursue a combined graduate degree in medicine and research.

### Mia DiMartino

Mia is the Chief of SUNY Cortland EMS. She is a senior biology major and plans to become a doctor.

### Elana Everett

Elana is a junior studying human physiology and public health at Boston University. She has been involved in EMS for the past four years, having taken the EMT class junior year of high school, and immediately falling in love with it. Elana primarily works in municipal 911 as an EMT Crew Chief and Field Training Officer, and in large venue EMS as an Agganis-Experienced EMT. She is also an EMT-Instructor/Coordinator, teaching the initial EMT-B class at Boston University, as well as training new EMTs working at Boston University. Elana loves sharing everything she has learned working in EMS with new EMTs and students, and hopes to become an EM Physician.

### Sarah Golden

Sarah is a senior studying Human Physiology at Boston University. She completed the EMT course at BU during the summer after her freshman year and joined the BUEMS Operations staff upon obtaining her certification. Sarah works regularly at BU's Fitness and Recreation Center and orients and monitors new EMTs as a Field Training Officer. She has also provided EMS coverage for many special events at BU, including Commencement Weekend ceremonies in 2017 and 2018. As an Agganis Experienced EMT, Sarah cares for patients and trains other EMTs at concerts and hockey games. She will be attending Boston University School of Medicine next year and plans to complete an EM residency and specialize in wilderness medicine.

### Matthew Kent, NRP

Matt is a nationally registered paramedic and a senior at the University of Pittsburgh's Emergency Medicine Program. Matt is a Massachusetts native and began his EMS career in 2016 at Fallon Ambulance in Quincy, MA. In April of 2019 he got his paramedic certification and began working as a paramedic at Valley Ambulance Authority in Coraopolis, PA. Upon graduation, Matt will sit for the FP-C exam to become a certified flight paramedic. Matt also currently serves as secretary of Student Emergency Medical Services (SEMS) at the University of Pittsburgh.

### Truelian Lee

Truelian is a junior and an EMT in Harvard CrimsonEMS, where she serves as its current Chief and its former Development Chief and Communications Officer. Lee studies Chemistry and

English. She is a CPR and Stop the Bleed instructor on campus, and she is passionate about EMS outreach.

### Allison Leopold

Allison is a senior Neuroscience major at Macalester College. She has participated in the Macalester EMT service (MacEMS) throughout her four years of college, having served as the service's president and co-president for the past two years. Working in both St. Paul and Minneapolis, Allison has developed a particular passion for patient advocacy, especially in the realm of addiction medicine and substance abuse. She hopes to pursue a career in medicine after graduation. She thanks the members and supporters of MacEMS and all those who have supported her love of medicine along the way.

### Gwynn Marsh-Armstrong

Gwynn is a senior biochemistry major at Vassar College in Poughkeepsie, NY. Trained in both fire and rescue, and emergency medicine, she has been serving as a first responder since the age of sixteen. Gwynn is currently a firefighting second lieutenant in Arlington, NY and will be starting medical school this fall in which she hopes to continue pursuing her interests in emergency medicine.

### Enzo Plaitano

Enzo is a Boston University junior and has been involved in EMS for the last five years, starting EMT class during his sophomore year of high school. He primarily works large-venue EMS, including concert venues, sporting arenas, amusement parks, and marathons. Enzo quickly fell in love with the rapid decision making, chaotic environment, and physically demanding nature of the job. Particularly, he enjoys working as a comprehensive team to manage complex medical problems, perform logistically difficult extrications, and care for a surge of patients with limited resources. Currently, Enzo works as a Special-Event EMT and EMS Instructor at Boston University, teaching new staff and EMT students the tools of the trade. Enzo hopes to become a Prehospital/EMS Physician.

### Daria Pronina

Daria is an EMT at Harpur's Ferry Volunteer Ambulance where she has been a member since 2016. She moved to the United States when she was 17. She is currently a senior working on her Biochemistry degree at Binghamton University and planning to attend medical school this year. In her free time she enjoys reading non-fiction books, cooking and working out at the gym.

### Kathleen Ran

Kathleen is a junior and an EMT in Harvard CrimsonEMS, where she serves as its Community Outreach Officer. Ran studies Neuroscience and Government. Apart from working as an EMT, she teaches CPR and Stop the Bleed to Harvard University students and staff. She loves the educational component of collegiate EMS and is grateful to participate in the broader ecosystem of community safety.

### Michael Steflovich

Mike is a senior at The University of Tampa studying Allied Health with a concentration in Medical Sciences. He is the Founder and President of Spartan First Response. Mike has been in EMS for over five years, starting as an EMT with Owego EMS in upstate New York before going to Tampa for school. Throughout his time with Spartan First Response, Mike has helped with Spartan First Response being named "Outstanding New Organization of the Year," and teach over 100 students CPR. Mike also works full-time as a unit coordinator in Tampa General Hospital's ICU.

### Juliet Winther

Juliet is a sophomore at The University of Tampa studying nursing with a minor in Spanish. She is the AED audit team leader and conference chair of Spartan First Response and she is also the Director of Member Conduct in the Florida Zeta chapter of Pi Beta Phi. Juliet has been in EMS since 2016, starting as an EMT for several organizations in central NJ before transferring to Tampa for school. Juliet was named cadet of the year, cadet captain, and has assisted in many events for Spartan First Response. Juliet is also a seasonal EMT for Spring Lake Beach Patrol in Spring Lake, NJ.

# NCEMSF Leadership Bios

## NCEMSF EXECUTIVE BOARD

### George J. Koenig, Jr., DO, MS

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 the Trauma Program Medical Director at TJUH and 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 subsequently 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. Scott is a senior software analyst for Thermo Fisher Scientific, implementing Laboratory Information Management Systems (LIMS) for pharmaceutical, environmental, clinical, and biotech laboratories. Scott remains active in both EMS administration and operations. He is Chair of the Board of Whitemarsh Ambulance, a 4,000 call-per-year ALS squad in suburban Philadelphia. He is also a per diem event EMT for Lehigh Valley Health Network at the PPL Center in Allentown, PA.

### Joshua A. Marks, MD

Joshua Marks, NCEMSF Secretary, is an Associate Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is the Program Director for the Surgical Critical Care Fellowship and Associate Program Director for the General Surgery Residency as well as the Surgical ICU Medical Director at Jefferson. He is Board Certified in surgery and surgical critical care and is a Fellow of the American College of Surgeons (FACS). He completed his fellowship in trauma and surgical critical care at the Hospital of the University of Pennsylvania and his general surgery residency at Thomas Jefferson University Hospital. He received his Doctor of Medicine degree from Jefferson Medical College (now SKMC) in June 2007, and his BA in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998, as a member of Narberth Ambulance and served on Narberth's Board of Directors for twelve years as the Corps' Treasurer, Secretary, Membership Chair, and BLS Training Coordinator. While at Columbia, Josh 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.

### Michael S. Wiederhold, MD, MPH, MS

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

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

### Michael T. Hilton, MD, MPH

Michael Hilton, Director-at-Large, is the Assistant Medical Director of Sollis Health, a concierge medical startup company with a mission to create a new healthcare model for emergencies and beyond, where patients receive outstanding medical care, while being treated with dignity, respect and kindness, looking towards a world where healthcare is focused on the patient. Prior to this, he was an Assistant Professor of Emergency Medicine at the Icahn School of Medicine at Mount Sinai, Associate Medical Director for EMS and Disaster Preparedness at Mount Sinai Morningside and Mount Sinai West, Assistant Professor of Emergency Medicine at the University of Pittsburgh School of Medicine and an attending physician at UPMC Mercy. He is a Fellow of the American College of Emergency Physicians and of the National Association of EMS Physicians. He holds board certifications in Emergency Medicine and EMS. His education background includes a BA degree from Columbia University and MD and MPH degrees and a Certificate in Public Health Disaster Preparedness and Response from the University of Pittsburgh. His medical training included a residency in emergency medicine and a fellowship in EMS both completed at UPMC. His college EMS roles include having been Captain of Columbia University EMS, advisor to Pitt Student EMS, and Medical Director of Carnegie Mellon University EMS. Michael became NCEMSF's New York Regional Coordinator in 2003 and later served as 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 completed an Internal Medicine residency as well as a Chief Resident year at Northwell Health (North Shore - Long Island Jewish). He is currently a Cardiology fellow at the same institution. 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, has extensive experience in both EMS and aviation. Steve has a degree in Aviation Management from Daniel Webster College where he founded DWC EMS, a student-run, state-licensed EMS service and served as Chief all four years. Steve started in EMS at 16, volunteering as a cadet on the Branchburg Rescue Squad in his hometown in NJ, and became an EMT-B the following year. He currently serves as EMS Sergeant and Trustee of the all-volunteer rescue squad. Complimenting his street EMS experience, Steve has also been a national Ski Patroller since 2005 and an annual Medical Station Leader at the Boston Marathon. Steve has also served as a Communication Specialist/EMT with Boston MedFlight, New England's premier air and ground critical care program. In addition to these EMS roles, Steve has built a career working at the busiest international airports in the northeastern US, with roles in airport operations centers and in the field, managing logistics for airport operations, maintenance, security, emergency responses, and emergency preparedness. He previously served as NCEMSF's Northern New England RC.

### Joseph M. Grover, MD

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

### Joshua E. Glick, MD

Josh Glick, NCEMSF Alumni Coordinator, is an Assistant Professor of Emergency Medicine 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. He completed his EM residency at Penn as well. 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.

### 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 previously served on the NCEMSF Board as Canada Regional Coordinator. He worked as an EMT in Michigan

and after a hiatus doing work in the field of emergency management returned to EMS in Ontario. Jeff has worked in both land and air environments in Alberta and Ontario where he currently serves as an Advanced Care Paramedic and Acting Supervisor with his Paramedic Service. He also works in the Quality Assurance Department of his Regional Base Hospital Program providing QA and education to nine local Paramedic Services as well as an Inspector for the Ontario Ministry of Health Emergency Health Services responsible for certification of Paramedic Services province-wide. In addition to his EMS work, Jeff owns a successful health and safety consulting company. 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 Federal On Scene Coordinator for the United States Environmental Protection Agency, Region 5 Emergency Response Branch based in Cleveland, OH. He is a volunteer Paramedic for the City of Hudson (Ohio) EMS. Previously, he was a Supervisory Hazardous Materials Specialist for the Bureau of Police and Security of the New York City Department of Environmental Protection where he was responsible for managing a breadth of emergencies including toxic chemical releases and CBRNE/Weapons of Mass Destruction incidents. In 2007, Eric earned a Bachelor of Science degree in Chemical Engineering from Columbia University where he also served as a Crew Chief with the campus ambulance service. Eric obtained his paramedic from St. Vincent's Hospital - Manhattan in 2008 and has provided 911 services in NY and NJ. Eric's professional interests include CBRN Consequence Management, radiological emergencies, spill control and enforcement, and environmental sustainability. He is the former NCEMSF NY RC.

### 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.

### Ian Feldman

Ian Feldman, NCEMSF 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. Prior to becoming the NCEMSF Webmaster, Ian served as the Central RC for six years.

### Katie Egan, MD, RN

Katie Egan, NCEMSF Human Resources, 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 plans to pursue a career in microsurgical 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 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.

# NCESMF Leadership Bios

## NCESMF REGIONAL COORDINATORS

### Evan A. Formosa

Evan Formosa, NCESMF Canada Regional Coordinator, began his collegiate emergency medical response career in 2011 as a responder with the Western University Student Emergency Response Team (SERT) in London, Ontario, Canada. In 2013, Evan took on the role of Training Coordinator and in 2014 he became the Executive Director where he implemented new symptom relief medication and added emergency vehicle lighting to SERT's response vehicle. Evan is a Canadian Red Cross Advanced Emergency Care Instructor and currently trains new SERT members as well as provides first aid and CPR training to the public. Evan graduated from Western University with a degree in Physiology and a Masters in Clinical Anatomy. He now works towards a degree in Medicine from New York Medical College.

### Laura Hanson

Laura Hanson became involved in collegiate EMS as Founding Chief of Operations of the University of Arizona EMS from 2011-2012. She received a BS in Physiology in 2012, and an MA in Biomedical Sciences from Midwestern University in 2015. Laura worked as an EMT for Rural/Metro Southwest Ambulance from 2012-2017 and is currently a medical student at Midwestern University. She volunteers part-time as a reserve for the Arizona Department of Public Safety Air Rescue helicopter in Phoenix, Arizona.

### David Afienko

David Afienko, NCESMF 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, NCESMF 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 subsequently earned his Doctor of Osteopathic Medicine (DO) in May of 2016 from Rowan University's School of Osteopathic Medicine (formerly UMDNJ-SOM) in Stratford, New Jersey. He is currently a chief emergency medicine resident at the Lehigh Valley Health Network in Allentown, PA and will be starting an EMS fellowship at Cooper University Hospital in Camden, NJ in July 2020.

### Lex Martin, RN, CCRN

Lex Martin has been involved with collegiate EMS since 2012 as an EMT with Case Western Reserve University, where she served as Chief for two years. She currently works as an RN in the Trauma and Life Support Center at University of Wisconsin Health and is active on UW Health's Special Pathogens Team. She continues to be involved in EMS as a volunteer paramedic for Deer-Grove EMS in Dane County, Wisconsin.

### Matthew D. Ricci, MPA

Matt Ricci, NCESMF New York Regional Coordinator, was the Director of Operations for UMass Lowell EMS from 2007-2010. He currently works for an incident management software company, and formerly worked in Emergency Response Department for JetBlue Airways, and Business Continuity for a large Wall Street bank. Matt's work with technology streamlined campus EMS operations and has been used toward

new solutions in the airline's response operations. Matt has an MPA in Emergency & Disaster Management and maintains his EMT-B Certification.

### Lucas Rappert

Lucas Rappert, the NCESMF North Central Regional Coordinator, became involved in collegiate EMS with the University of Wisconsin Madison Police Department First Responders. He served as Crew Chief, Quality Assurance Officer, and Deputy Service Director. After graduating with a Bachelor's degree in neurobiology, he continued volunteering with the UWPDFR until he joined Deer Grove EMS, just outside Madison. In addition to EMS, Lucas has experience as a 911 dispatcher, medicolegal investigator, tissue/organ procurement coordinator, and emergency technician. Beginning in July, Lucas will be a first-year medical student at Kansas City University of Medicine and Biosciences. His free time is spent training for IRONMAN Wisconsin Triathlon and attending outdoor music events.

### Kate Marquis, MBA, RN, CEN

Kate Marquis, NCESMF Northern New England Regional Coordinator, graduated from Saint Anselm College with her BSN in 2012 and obtained an MBA from Southern New Hampshire University in 2019. 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 as an RN Administrative Coordinator at the Life Support Learning Center for UVA Health. She coordinates and teaches classes through the American Heart Association, Emergency Nurses Association and UVA Health's Prehospital Program. Additionally, she builds and conducts simulations for staff within the hospital. She is a Certified Emergency Nurse.

### Ryan M. Hay, RN

Ryan Hay, NCESMF Pennsylvania Regional Coordinator, is a Board-Certified Emergency Nurse and Emergency Manager, serving as the Director of Emergency Preparedness for Lehigh Valley Health Network in eastern Pennsylvania. Ryan holds a Master of Science in Nursing with a concentration in Population Health and Emergency Management from Jacksonville State University in Alabama. Prior to that, he graduated from DeSales University, holding both a BS in Nursing and a BA in Political Science. While at DeSales, Ryan cofounded DeSales EMS, serving as the director for three years. He is currently the Chairman of the Northeast Pennsylvania Healthcare Coalition. Additionally, he serves as a Captain on the Lehigh County Special Operations Team and a part-time Paramedic/PHRN for the City of Bethlehem's Bureau of EMS.

### Gabe Gan, MPH

Gabe Gan, NCESMF 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 held various leadership positions as a member of Emory EMS. Gabe received his Master of Public Health degree from Columbia University's Mailman School of Public Health in 2018, and is now an Associate in PricewaterhouseCoopers' healthcare practice. He remains active as an EMS provider in Maryland and New York.

### Tom Renner

Tom Renner, NCESMF 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.

## Journal of Collegiate Emergency Medical Services (JCEMS) Speaker Bios

### Nicholas M.G. Friedman

Nick is the Editor-in-Chief of The Journal of Collegiate EMS Nick is the Editor-in-Chief of The Journal of Collegiate EMS (JCEMS) and a medical student at Stanford University. He holds a BA in Chemistry from Skidmore College - where he served as the director of the student EMS organization - and has a background in emergency medicine research, teaching/mentorship, and healthcare entrepreneurship. Nick is passionate about supporting student-led EMS research and promoting innovation in the collegiate EMS community.

### Joe Caruso

Joe Caruso is the Associate Manager of Special Events for The Journal of Collegiate Emergency Medical Services (JCEMS), the official peer-reviewed journal of NCEMSF. He is a graduate of Clemson University and current Emergency Department Technician at Cooper University Hospital in Camden, NJ. As a clinical research fellow at Lucile Packard Children's Hospital Stanford, Joe has conducted research in pain management and anesthesiology.

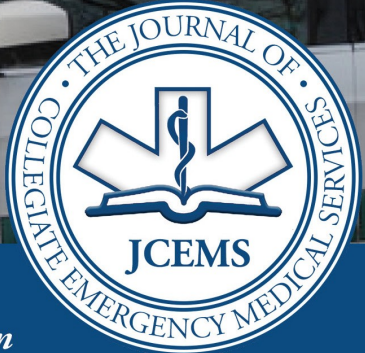
### Christopher Gaeta

Christopher Gaeta has studied Neuro-Economics at Swarthmore College and serves as the Associate Manager of Institutional Relations and Business Operations for the Journal of Collegiate EMS (JCEMS). He is an active medical researcher at the Children's Hospital of Philadelphia and has been published in medical journals primarily focused on neurology and emergency medicine. A frequent contributor to EMS World, Gaeta is also involved with health care innovations in the field of EMS and has garnered a passion for social innovation. Currently, he serves as a fellow at Stanford University in business innovation.



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## Schedule Summary

Sunday, March 1, 2020

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:30 AM - 8:30 AM   | Continental Breakfast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Grand Ballroom Foyer                                                                                                                                                                                                                                              |
| 8:00 AM - 9:00 AM   | Workshop Session 9 (Page 27)<br>Role of EMS in Terrorism Prevention and Response (CE Code: 319A)<br>Pimps, Prostitutes, and Providers (CE Code: 319B)<br>EMTs Say What? Pre-Hospital Truth Telling and Otherwise (CE Code: 319C)<br>EMS to Med School: NCEMSF Alum Experiences and Q&A (CE Code: 319D)<br>Forget CPR, Give CCR to Save a Heart (CE Code: 319E)<br>Look Out for Our Own: Managing Mental Health (CE Code: 319F)<br>When Seconds Count: Developing Custom Tech for EMS (CE Code: 319G)<br>Acute Vaping Injuries (CE Code: 319H)                                                                                                                                                                                                                                                                                                                                                                                                | Belvidere (1st)<br>Back Bay A<br>Back Bay B<br>Back Bay C<br>Back Bay D<br>Constitution B<br>Independence West<br>Commonwealth (3rd)                                                                                                                              |
| 9:10 AM - 10:10 AM  | Workshop Session 10 (Page 28)<br>Little People Big World...Pediatrics in a World of Trauma (CE Code: 320A)<br>Introduction to Transgender Health for EMTs (CE Code: 320B)<br>Fluid Resuscitation Without An IV: EMTs Treating Shock (CE Code: 320C)<br>Washers and Dryers and Why ACLS Sucks (CE Code: 320D)<br>Management of Patients with Obesity in an EMS Setting (CE Code: 320E)<br>Lean, Mean, EMS Machine (CE Code: 320F)<br>Ebola and Other Contagious Diseases, Are You Prepared? (CE Code: 320G)<br>Calling A Code Alert On Our Mental Health (CE Code: 320H)<br>Heat, Humidity and Houston! (CE Code: 320I)<br>Roundtable: Startup (CE Code: 320J)<br>Roundtable: Administrator/Advisor/Medical Director (CE Code: 320K)<br>Skills: Just Walk It Off: Usable Injuries in Wilderness (CE Code: 320L)<br>Skills: The Art of Suturing-Skills Workshop (CE Code: 320M)<br>Skills: Presenting and Visualizing EMS Data (CE Code: 320N) | Belvidere (1st)<br>Back Bay A<br>Back Bay B<br>Back Bay C<br>Back Bay D<br>Constitution A<br>Constitution B<br>Independence West<br>Commonwealth (3rd)<br>Public Garden (5th)<br>Riverway (5th)<br>Arnold Arboretum (5th)<br>Jamaica Pond (5th)<br>Olmstead (5th) |
| 10:20 AM - 11:20 AM | Workshop Session 11 (Page 30)<br>Advanced Assessment Techniques for EMS Professionals (CE Code: 321A)<br>From Awkward to Awesome (CE Code: 321B)<br>Meeting the Parents: The Occasional Thorn in Your Side (CE Code: 321C)<br>North American Bites and Stings (CE Code: 321D)<br>OSHA and EAP Plans (CE Code: 321E)<br>Rescue and Resuscitation of a Drowning Victim (CE Code: 321F)<br>The Malicious and Monstrous Maladies of Disney (CE Code: 321G)<br>Don't Let the Bathtub Overflow: Importance of Resiliency (CE Code: 321H)<br>A Spoon Full of Sugar Makes the Pancreas Go Mad (CE Code: 321I)<br>Inside The Journal of Collegiate EMS (CE Code: 321J)<br>Roundtable: Engaging Your Alumni Network (CE Code: 321K)<br>Skills: ECG Certification Course by ABF (CE Code: 321L)<br>Skills: The Art of Suturing-Skills Workshop (CE Code: 321P)                                                                                          | Belvidere (1st)<br>Back Bay A<br>Back Bay B<br>Back Bay C<br>Back Bay D<br>Constitution A<br>Constitution B<br>Independence West<br>Commonwealth (3rd)<br>Public Garden (5th)<br>Riverway (5th)<br>Olmstead (5th)<br>Jamaica Pond (5th)                           |
| 11:30 AM - 12:30 PM | Workshop Session 12 (Page 31)<br>Initial Trauma Assessment and Resuscitation (CE Code: 322A)<br>If DaVinci Designed A Space Station (CE Code: 322B)<br>Avengers Assemble! Perspective on EMS Leadership (CE Code: 322C)<br>More Than a Language Barrier: Working with Immigrants (CE Code: 322D)<br>Level Up, From EMS to Emergency Management (CE Code: 322E)<br>Injury and Illness at Sea (CE Code: 322F)<br>Stress and Women in First Responder Roles (CE Code: 322G)<br>Pediatric Respiratory Emergencies (CE Code: 322H)<br>Electric Scooters -- So Much Fun, So Damn Dangerous (CE Code: 322I)<br>Skills: Johnny is Lost: Introduction to Search and Rescue (CE Code: 322J)                                                                                                                                                                                                                                                            | Belvidere (1st)<br>Back Bay A<br>Back Bay B<br>Back Bay C<br>Back Bay D<br>Constitution A<br>Constitution B<br>Independence West<br>Commonwealth (3rd)<br>Arnold Arboretum (5th)                                                                                  |
| 12:30 PM - 01:00 PM | Conference Wrap-Up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Constitution Ballroom                                                                                                                                                                                                                                             |

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## Schedule Summary

**Saturday, February 29, 2020 (Continued)**

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12:30 PM - 1:30 PM | Lunch On Your Own                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                 |
| 1:30 PM - 2:30 PM  | <p>Workshop Session 6 (Page 15)</p> <p>Implementing CISM Program (CE Code: <b>316A</b>)</p> <p>"Just Syncope," or is Death Knocking? (CE Code: <b>316B</b>)</p> <p>Don't Eat Your Young (CE Code: <b>316C</b>)</p> <p>Medical Considerations of Technical Rescue (CE Code: <b>316D</b>)</p> <p>Establishing Your Agency as an AHA Training Organization (CE Code: <b>316E</b>)</p> <p>Been There, Done That, Got the PE Shirt (CE Code: <b>316F</b>)</p> <p>The History of EMS (CE Code: <b>316G</b>)</p> <p>Stats, Stat! Leveraging Data to Improve Care...(CE Code: <b>316H</b>)</p> <p>Novel Uses of Telemedicine During Hurricane Florence (CE Code: <b>316I</b>)</p> <p>Beyond AVPU: Using Mental Status Exams Prehospital (CE Code: <b>316J</b>)</p> <p>Roundtable: Emergency Management &amp; Preparedness (CE Code: <b>316K</b>)</p> <p>Roundtable: Training (CE Code: <b>316L</b>)</p> <p>Skills: Management Of Aggressive Behaviors (MOAB) (CE Code: <b>316M</b>)</p> <p>Skills: Mini-Bushmaster at the NCEMSF Conference! (CE Code: <b>316N</b>)</p>                                           | <p>Belvidere (1st)</p> <p>Back Bay A</p> <p>Back Bay B</p> <p>Back Bay C</p> <p>Back Bay D</p> <p>Constitution A</p> <p>Constitution B</p> <p>Independence East</p> <p>Independence West</p> <p>Commonwealth (3rd)</p> <p>Public Garden (5th)</p> <p>Riverway (5th)</p> <p>Arnold Arboretum (5th)</p> <p>Jamaica Pond (5th)</p> |
| 2:40 PM - 3:40 PM  | <p>Workshop Session 7 (Page 17)</p> <p>Estimated Blood Loss (CE Code: <b>317A</b>)</p> <p>Vaping Associated Lung Illness (CE Code: <b>317B</b>)</p> <p>Scene Safety, Leadership &amp; Communication (CE Code: <b>317C</b>)</p> <p>What's on the Line? Fall and Suspension Injuries (CE Code: <b>317D</b>)</p> <p>Coloring Outside the Lines - Be a Better CPR Instructor (CE Code: <b>317E</b>)</p> <p>Boston MedFlight: Your Life. Our Mission (CE Code: <b>317F</b>)</p> <p>Sense &amp; Sensitivity: Trauma-Informed Response (CE Code: <b>317G</b>)</p> <p>The 'S' Word: Never be Called a STUDENT Again! (CE Code: <b>317H</b>)</p> <p>MIT Active Shooter Full Scale Exercise (CE Code: <b>317I</b>)</p> <p>It's All In The Eyes: A Review of Ocular Emergencies (CE Code: <b>317J</b>)</p> <p>Roundtable: Administrative Challenges in Collegiate EMS (CE Code: <b>317K</b>)</p> <p>Roundtable: Fundraising and Financing (CE Code: <b>317L</b>)</p> <p>Skills: Use Your Words (and More) (CE Code: <b>317M</b>)</p> <p>Skills: Mini-Bushmaster at the NCEMSF Conference! (CE Code: <b>317N</b>)</p> | <p>Belvidere (1st)</p> <p>Back Bay A</p> <p>Back Bay B</p> <p>Back Bay C</p> <p>Back Bay D</p> <p>Constitution A</p> <p>Constitution B</p> <p>Independence East</p> <p>Independence West</p> <p>Commonwealth (3rd)</p> <p>Public Garden (5th)</p> <p>Riverway (5th)</p> <p>Arnold Arboretum (5th)</p> <p>Jamaica Pond (5th)</p> |
| 3:40 PM - 3:55 PM  | Snack Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Grand Ballroom Foyer                                                                                                                                                                                                                                                                                                            |
| 3:55 PM - 4:55 PM  | <p>Workshop Session 8 (Page 21)</p> <p>Prehospital Whole Blood Program (CE Code: <b>318A</b>)</p> <p>Medically Directed Rescue (CE Code: <b>318B</b>)</p> <p>Bring Your Best (CE Code: <b>318C</b>)</p> <p>Stress Injury and Psychological First Aid (CE Code: <b>318D</b>)</p> <p>Assessment Differentials (CE Code: <b>318E</b>)</p> <p>Bringing Critical Care to the Rescue Evolution (CE Code: <b>318F</b>)</p> <p>Introduction to LGBTQ Health for EMTs (CE Code: <b>318G</b>)</p> <p>Using EMS to Build a Stronger Town-Gown Relationship (CE Code: <b>318H</b>)</p> <p>When it Hits the Fan: Planning for Emergencies at Events (CE Code: <b>318I</b>)</p> <p>Going Off-Campus: EM &amp; Technology in Disaster Response (CE Code: <b>318J</b>)</p> <p>Roundtable: Only the Brave - Mental Health Discussion (CE Code: <b>318K</b>)</p> <p>Roundtable: Advertising and Campus Media (CE Code: <b>318L</b>)</p> <p>Skills: The Hats We Wear During An Emergency (CE Code: <b>318M</b>)</p> <p>Skills: Mini-Bushmaster at the NCEMSF Conference! (CE Code: <b>318N</b>)</p>                          | <p>Belvidere (1st)</p> <p>Back Bay A</p> <p>Back Bay B</p> <p>Back Bay C</p> <p>Back Bay D</p> <p>Constitution A</p> <p>Constitution B</p> <p>Independence East</p> <p>Independence West</p> <p>Commonwealth (3rd)</p> <p>Public Garden (5th)</p> <p>Riverway (5th)</p> <p>Arnold Arboretum (5th)</p> <p>Jamaica Pond (5th)</p> |
| 5:00 PM - 6:00 PM  | <p>Plenary Session - Major John P. Pryor, MD Memorial Lecture</p> <p>Resuscitation: Past, Present and Future (CE Code: <b>333A</b>)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Grand Ballroom                                                                                                                                                                                                                                                                                                                  |
| 6:00 PM - 7:00 PM  | NCEMSF Business Meeting and Awards Presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Grand Ballroom                                                                                                                                                                                                                                                                                                                  |
| 7:00 PM - 10:00 PM | Dinner in Boston On Your Own                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                 |
| 7:00 PM - 9:30 PM  | Alumni Social and Networking Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Belvidere                                                                                                                                                                                                                                                                                                                       |
| 10:00 PM - 2:00 AM | NCEMSF Club, Casino and Glow Golf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Constitution Ballroom                                                                                                                                                                                                                                                                                                           |

(Sunday on Previous Page)

## Schedule Summary

### Friday, February 28, 2020

|                    |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 3:30 PM - 10:00 PM | Registration                                                                                                                                                                                                                                                                                                                                                                                          | Grand Ballroom Foyer                                                                        |
| 5:00 PM - 10:00 PM | Stryker EMS Skills Classic                                                                                                                                                                                                                                                                                                                                                                            | 5th Floor North                                                                             |
| 5:30 PM - 6:00 PM  | How to Make the Most of the Conference Experience                                                                                                                                                                                                                                                                                                                                                     | Liberty                                                                                     |
| 6:00 PM - 7:00 PM  | Workshop Session 1 (Page 8)<br>COVID-19 Coronavirus (CE Code: 311A)<br>Leadership: Lessons Learned (CE Code: 311B)<br>Forged by the Staff, Star and Serpent (CE Code: 311C)<br>The Basics of Common Laboratory Studies (CE Code: 311E)<br>EMS Care on the Bleeding Edge (CE Code: 311D)<br>Roundtable: Startup (CE Code: 311F)                                                                        | Back Bay A<br>Back Bay B<br>Back Bay C<br>Independence East<br>Independence West<br>Liberty |
| 7:10 PM - 8:10 PM  | Workshop Session 2 (Page 9)<br>Emerging Infectious Diseases and EMS (CE Code: 312A)<br>The Power of the Peer (CE Code: 312B)<br>Important EMS Research from 2019-2020 (CE Code: 312C)<br>Exposure Related Illnesses: Presentation and Management (CE Code: 312E)<br>911 What's Your Emergency? Tourniquet Training at PSAP (CE Code: 312D)<br>Panel: Chiefs and Presidents Leadership (CE Code: 312F) | Back Bay A<br>Back Bay B<br>Back Bay C<br>Independence East<br>Independence West<br>Liberty |
| 8:20 PM - 9:20 PM  | Plenary Session<br>Active Shooter Response Standards for Collegiate EMS (CE Code: 331A)                                                                                                                                                                                                                                                                                                               | Grand Ballroom                                                                              |
| 9:15 PM - 1:00 AM  | PCOM Welcome Social & Mixer / CPR Challenge                                                                                                                                                                                                                                                                                                                                                           | Constitution Ballroom                                                                       |

### Saturday, February 29, 2020

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                       |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:15 AM - 8:30 AM   | Continental Breakfast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Grand Ballroom Foyer                                                                                                                                                                                                                                                                  |
| 7:45 AM - 8:15 AM   | Group Introductions / Meet & Greet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Grand Ballroom                                                                                                                                                                                                                                                                        |
| 8:15 AM - 9:15 AM   | Plenary Session<br>Beyond Our Borders (CE Code: 332A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Grand Ballroom                                                                                                                                                                                                                                                                        |
| 9:25 AM - 10:25 AM  | Workshop Session 3 (Page 11)<br>The Anatomy of A Trauma Call (CE Code: 313A)<br>"I Think I See The Cords?" (CE Code: 313B)<br>Morbidity & Mortality: What's Hurting EMS Providers (CE Code: 313C)<br>What the !@#\$?! That's WILD! (CE Code: 313D)<br>What's Up With Heads Up, The Future of CPR? (CE Code: 313E)<br>Creating a Protocol for Intoxicated Collegiate Patients (CE Code: 313F)<br>Cat Got Your Tongue? (CE Code: 313G)<br>Campus EMS Today, Unlimited Opportunities Tomorrow (CE Code: 313H)<br>Street Ethics: Decision Making in Crises (CE Code: 313I)<br>Hacking Body Language for Healthcare Providers (CE Code: 313J)<br>Roundtable: Engaging Your Alumni Network (CE Code: 313P)<br>Roundtable: Administrator/Advisor/Medical Director (CE Code: 313Q)<br>Skills: From "Life or Limb" to "JUST SAVE THEIR LIFE!!!" (CE Code: 313K)<br>Skills: Patient Presentations/Handoffs (CE Code: 313M)<br>Skills: Mini-Bushmaster at the NCEMSF Conference! (CE Code: 313L)<br>Collegiate Resuscitation Officer Program - Part 1 (CE Code: 313N) | Belvidere (1st)<br>Back Bay A<br>Back Bay B<br>Back Bay C<br>Back Bay D<br>Constitution A<br>Constitution B<br>Independence East<br>Independence West<br>Commonwealth (3rd)<br>Public Garden<br>Riverway<br>Arnold Arboretum (5th)<br>Olmstead (5th)<br>Jamaica Pond (5th)<br>Liberty |
| 10:35 AM - 11:35 AM | Workshop Session 4 (Page 13)<br>Saving the Unsavable - Treating Junctional Injuries (CE Code: 314A)<br>Capnography: Not Just for the Airway (CE Code: 314B)<br>Collegiate EMS and the Social Determinants of Health (CE Code: 314C)<br>Going with the Flow: LVAD Management for EMS (CE Code: 314D)<br>CPR Superheroes Assemble! (CE Code: 314E)<br>Not Your Granddad's Documentation Course (CE Code: 314F)<br>Not Throwing Away My Shot! (CE Code: 314G)<br>Oooh, Ahhh, OH! How Could THAT Have Happened? (CE Code: 314H)<br>Expanding Role of First Responders in the Opioid Epidemic (CE Code: 314I)<br>The Night I Almost Jumped: EMS Culture and EMS Suicide (CE Code: 314J)<br>Roundtable: Technology (CE Code: 314K)<br>Roundtable: EMS Research Design & Execution Panel (CE Code: 314L)<br>Skills: Mini-Bushmaster at the NCEMSF Conference! (CE Code: 314M)<br>Collegiate Resuscitation Officer Program - Part 2 (CE Code: 314N)                                                                                                                | Belvidere (1st)<br>Back Bay A<br>Back Bay B<br>Back Bay C<br>Back Bay D<br>Constitution A<br>Constitution B<br>Independence East<br>Independence West<br>Commonwealth (3rd)<br>Public Garden (5th)<br>Riverway (5th)<br>Jamaica Pond (5th)<br>Liberty                                 |
| 11:45 AM - 12:30 PM | Workshop Session 5 (Page 14) - Richard W. Vomacka Student Speaker Competition:<br>Alcohol, Drugs and Mosh-pits, Oh My (CE Code: 315A)<br>Caring with Compassion: Why Social Justice Matters (CE Code: 315B)<br>Have We Been Killing Patients?: Pulmonary Hypertension (CE Code: 315C)<br>How to Communicate Effectively With Athletic Trainers (CE Code: 315D)<br>Intimate Partner Violence: Hidden Public Health Crisis (CE Code: 315E)<br>Suicide Prevention on College Campuses: The Role of EMS (CE Code: 315F)<br>Teaching and Responding... But Not Responding (CE Code: 315G)<br>Stop the Bleed: Steps to Safeguarding the College Campus (CE Code: 315H)<br>Mentorship in a Collegiate EMS Agency (CE Code: 315I)<br>Regional Roundtable Discussions (CE Code: 315J)<br>Collegiate Resuscitation Officer Program - Part 3 (CE Code: 315P)                                                                                                                                                                                                          | Belvidere (1st)<br>Back Bay A<br>Back Bay B<br>Back Bay C<br>Back Bay D<br>Constitution A<br>Constitution B<br>Independence West<br>Commonwealth (3rd)<br>Grand Ballroom<br>Liberty                                                                                                   |