

NCEMSF 2023

The 30th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 24-26, 2023
Westin Copley Place Hotel
Boston, MA

Table of Contents

About NCEMSF	3
About the Host City	4
Facility Floor Plan	5-6
Sponsors and Exhibitors	7
Conference Schedule - Friday	8-9
Conference Schedule - Saturday	10-24
Continuing Education	24
Schools in Attendance	25-26
Conference Schedule - Sunday	27-32
Boston Lunch/Saturday Night	33-35
Presenter/Vomacka Bios	36-43
NCEMSF Leadership Bios	44-47
In Memoriam	47
Schedule Summary	50-52

Download the Conference Program App
<https://my.yapp.us/NCEMSF2023>



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.
- 9) Related to COVID-19 Specifically - the CDC and local public health guidance do not currently require any specific COVID-19 mitigation measures, however, NCEMSF encourages all participants to take appropriate precautions in order to keep themselves as well as others safe and healthy. If you are not feeling well at the time of the Conference, please reconsider your attendance. If you become ill during the conference isolate as able to protect yourself and others. Hand sanitizer and face masks are available for all and those wishing to mask are encouraged to do so.

The aforementioned apply in addition to stated policies of the host facility as well as local and federal laws. Failure to comply with any of the above may result in eviction from the conference and/or hotel without a refund. Additionally, civil and/or criminal penalties may apply.

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

President's Welcome

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

NCEMSF Mission Statement

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

NCEMSF History

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

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

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

NCEMSF's Volunteer Leadership - See Bios on Page 44

NCEMSF Executive Officers

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

Division Chairs / Coordinators

Membership	Karolina A. Schabzes, MPH
National Coord.	Stephen J. Lanieri
Startup	Joseph M. Grover, MD
Asst Startup Coord.	Zachary Gant, NRP, CCEMT-P
Alumni	Joshua E. Glick, MD
EMS Week	Jeffrey J. Bilyk, ACP(f)
Emergency Mgmt	Eric Pohl, MS, NRP
Educational Programs	Zachary Matuzsan, DO
Technologist	Timothy J. McMichael, NRP
Webmaster	Ian Feldman
Editor, JCEMS	Christopher Gaeta

Regional Coordinators

Canada	Evan A. Formosa, MD
Central	Laura Hanson, DO
Massachusetts	David Afienko, DO
Mid-Atlantic	Available
Midwest	Lex Martin, CCRN, NRP
New York	Matthew D. Ricci, MPA
North Central	Lucas Rappert
Northeast	Catherine Gibbs, BSN, RN
N. New England	Kate Kasen, MBA, RN, CEN
Pennsylvania	Ryan M. Hay, MSN, RN
Southeast	Gabe Gan, MPH, NRP
West	Tom Renner

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and follow us!



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@NCEMSF



@NCEMSF

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
2021 - Virtual (due to COVID-19 pandemic)
2022 - Pittsburgh, PA
2023 - Boston, MA

Future Conferences:
TBD - February 2024

Pre-Conference Workshop - Friday, February 24, 2023

12:00 pm - 4:00 pm *Pre-Conference Tour*
Medical Helicopter and Airport Tour

Meet Hotel Lobby

This pre-conference tour will allow attendees to see two sides of emergency response that most college campuses never experience. Participants will be taken by bus from the hotel to an area airport, where they will visit the headquarters of Boston MedFlight, tour an aircraft, and speak with the flight medics, flight crew, and communications center staff. They will also tour a MassPort airport rescue firefighting station and learn more about this specialized branch of the fire service. Pre-registered and paid attendees will be notified of the meeting point and departure time for the bus and must be there on time or forfeit their seat on the bus.

12:30 pm - 4:00 pm *Pre-Conference Workshop*
Mass Gathering Medical Preparedness

Essex South

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

Mass gathering events on college campuses can take many forms - from organized collegiate sporting events, to concerts, festivals, community gatherings, and unorganized spontaneous gatherings. Regardless of type, these events often test the resources and resilience of the campus, community, and region. This pre-conference session will examine how to coordinate medical preparedness and response through the lens of campus-based EMS organizations, public health, emergency management, and event management. Principles will be applied to real-world case studies from events such as NASCAR races, marathons, and EDM concert festivals, and more. *Separate pre-registration and payment required.*

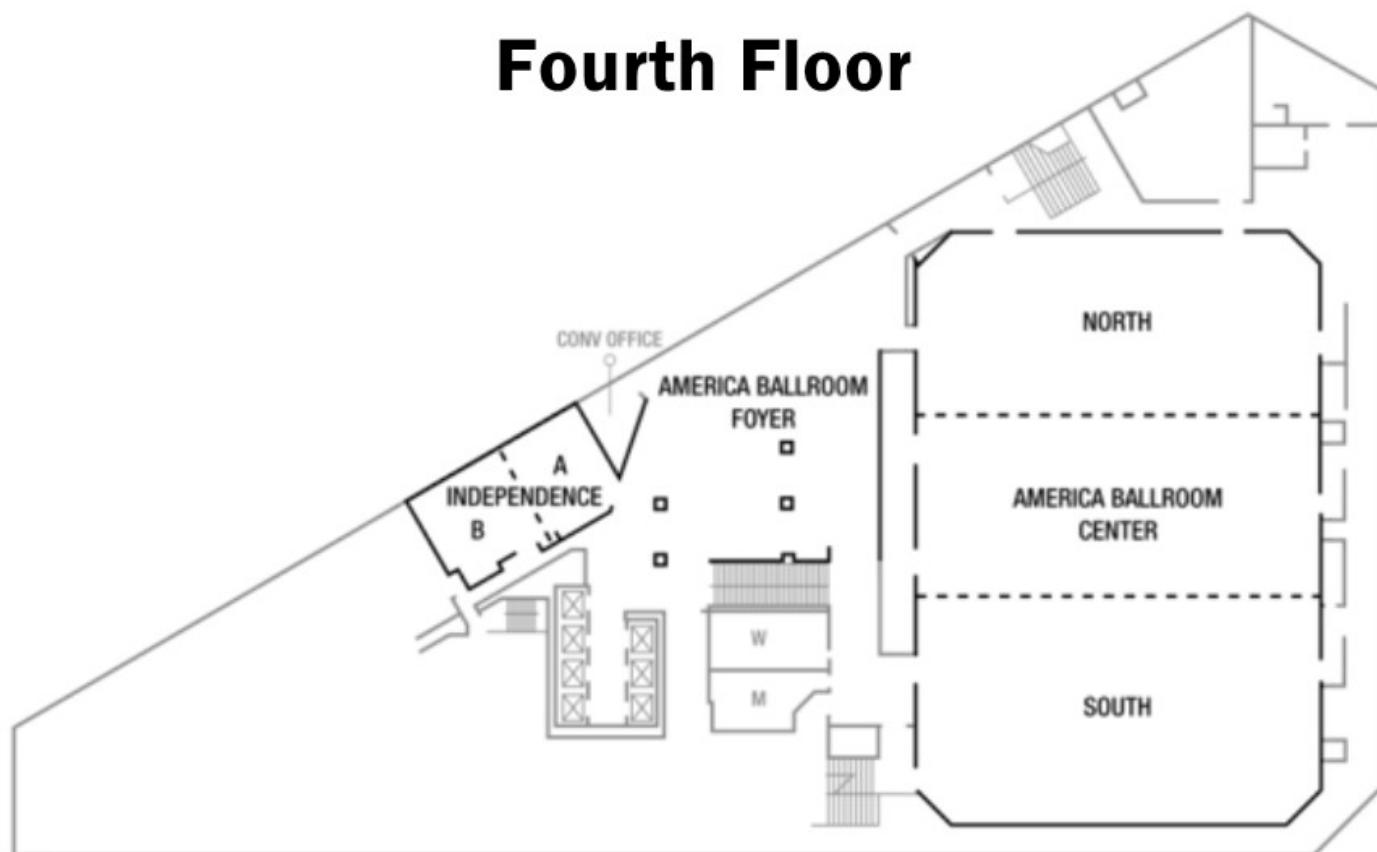
4:00 pm - 10:00 pm *Conference Check-in*

America Foyer

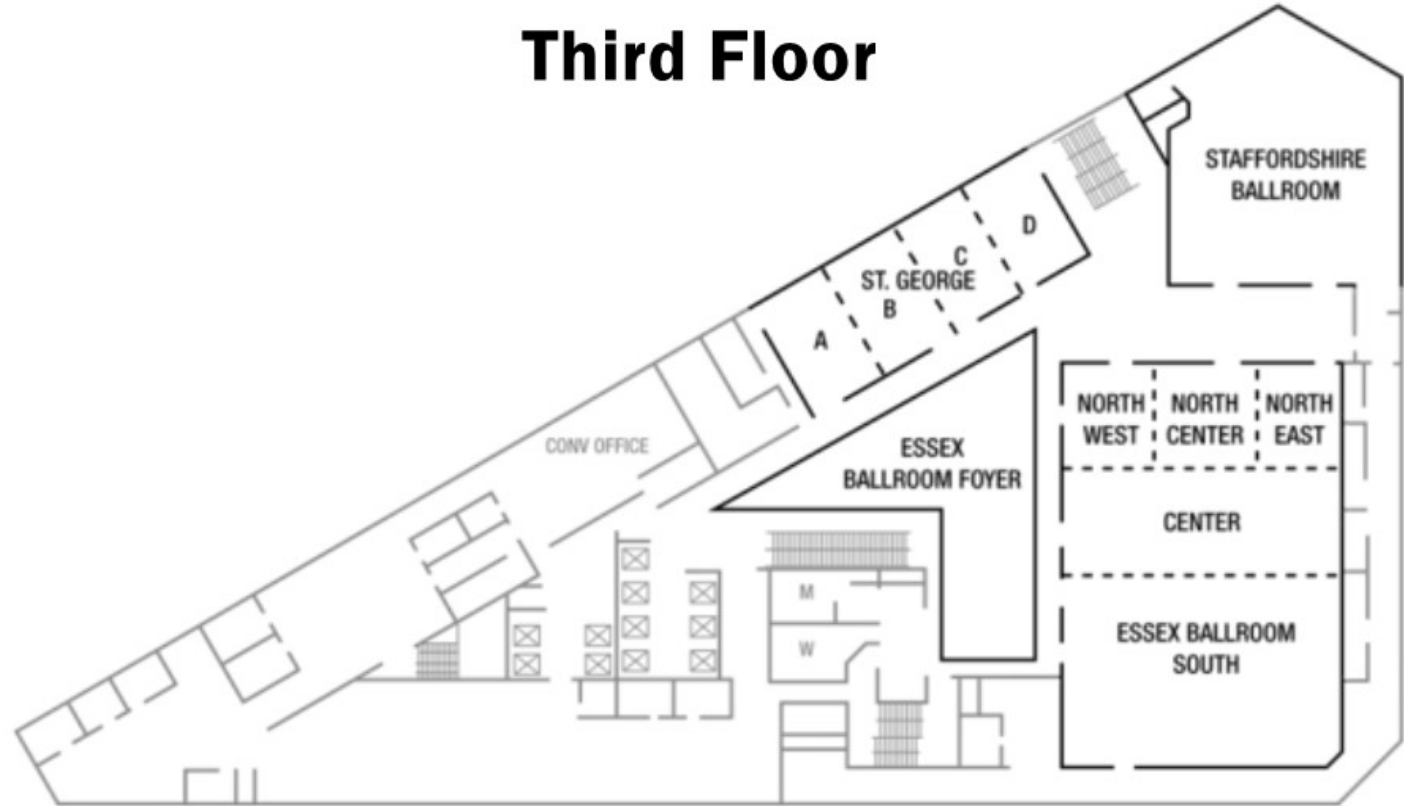
After checking into the hotel, stop by the conference registration table to check-in. All attendees must check-in individually regardless of how they registered. (Photo ID required). Upon check-in, attendees will receive a name badge that must be worn throughout the weekend as admittance to conference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

Westin Copley Place Floor Plan

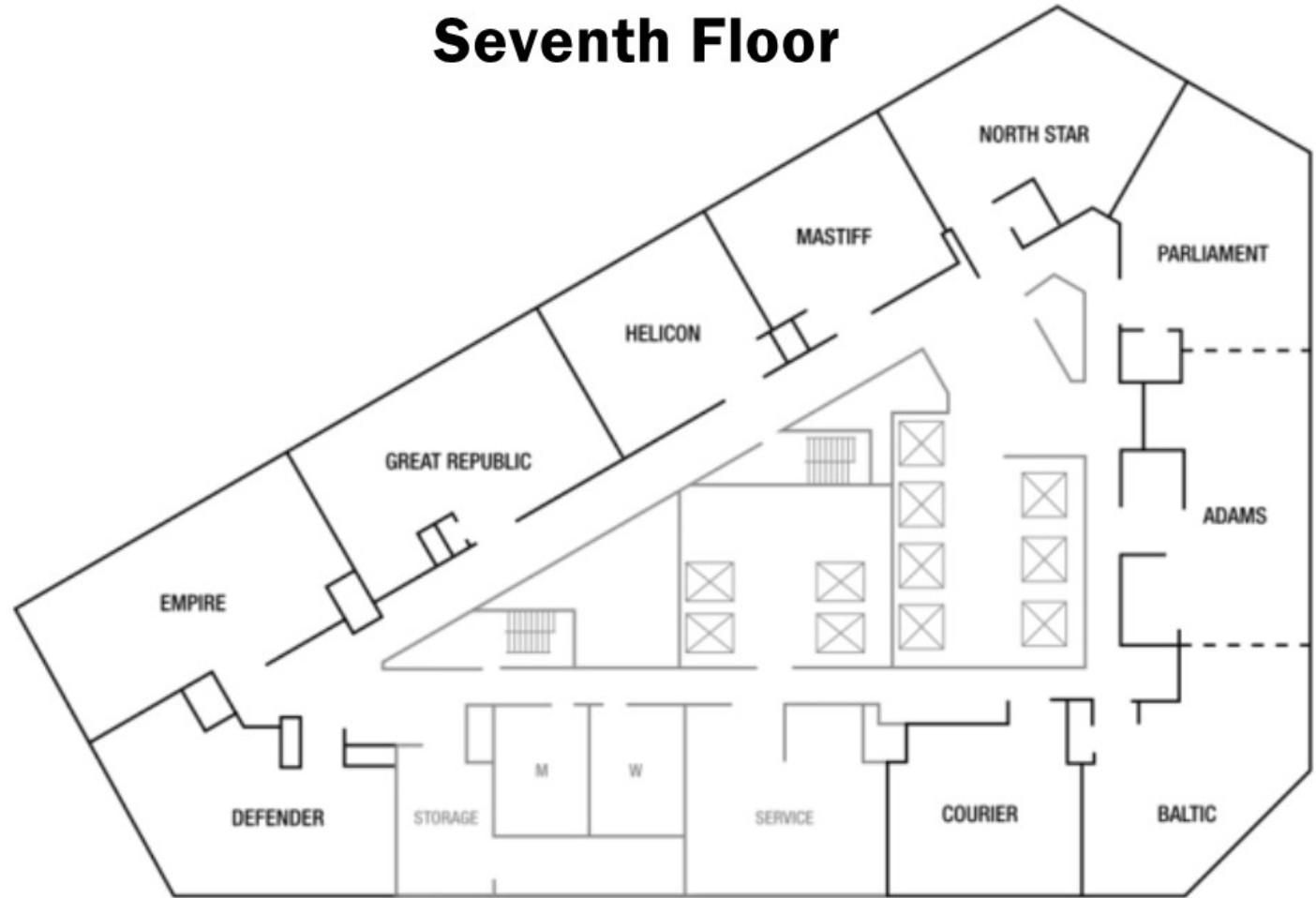
Fourth Floor



Third Floor



Seventh Floor



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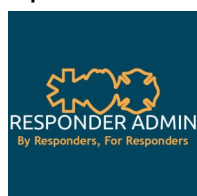


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www.start.columbiasouthern.edu

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

Manchester New Hampshire Police Department
www.manchesternh.gov/departments/police



Pro EMS and
Center for Medics
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www.centerformedics.com



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Conference Schedule - Friday, February 24, 2023

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

Essex Ballroom

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.

6:00 pm - 6:50 pm *Workshop Session 1*

Overdose Myths and Missteps

America Center

Jennifer Nunes, PA-C, MPH

For years prehospital providers have been confronted with the harsh realities of the opioid epidemic. For many, responding to overdose calls has become a daily occurrence. Yet despite frequent encounters, sorting out fact from fiction can present significant challenges given sensationalized headlines, conflicting information sources, and an ever changing landscape. In this session we will explore some common misconceptions and pitfalls surrounding opioids and overdose, and address them in a simple, straightforward manner. *CE Code: 411A*

CPR Hurts: The Rescuer!

Essex South

Mark Forgues, MEd

No one forgets their first "code". It is a dramatic, violent occurrence that leaves emotional scars on the rescuer. Successful resuscitations are celebrated but not failures (and less than half of the victims survive, the opposite of what happens in movies). This presentation will explore the life-changing stories of providers. It will explore coping strategies and recommendations for support/follow up post-resuscitation, and make recommendations for initial rescuer support and changes to CPR instruction. *CE Code: 411B*

Pushing the Envelope: Capnography for the BLS Provider

Essex Center

Hashim Zaidi, MD

Is utilizing End Tidal CO2 wave form capnography the next frontier for the BLS providers in your organization? Considering the critical limitations of lung auscultation and pulse oximetry, several states and organizations are moving towards having BLS providers utilize end tidal waveform capnography in aiding evaluation and management of critically ill patients. In this lecture we will review the potential value of having the BLS provider utilize capnography, review capnography basics, and recognize patient care scenarios where these important skills can be utilized. *CE Code: 411C*

Everyone Can Graph - ECG Fundamentals

Staffordshire

Domenic Corey, MPH, FP-C, I/C

Curious what those bumps and squiggles mean? Not even sure what an EKG is other than a SICK tat? No rocket science involved- in fact, the EKG pre-dates Yellowstone, 1923, and even 1883 (but maybe not their next spin-off). Everyone can learn the basics of reading an EKG in no time flat. *CE Code: 411D*

NCEMSF 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

St. George D

Joseph M. Grover, MD, FACEP, FAEMS, 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 furthering their organizations. *CE Code: 411E*

7:00 pm - 7:50 pm *Workshop Session 2*

A Trauma Review - What Do the Images Show?

America Center

Zachary Matuzsan, DO, NCEMSF Education Programs Coordinator

We treat injuries all the time in the field, but what happens when you drop your trauma patient off at the hospital? How do they know what injuries the patient has and what do they do for the trauma they find? Come join as we review some of the more common imaging modalities including x-rays, CT scans, and ultrasounds that are used in the hospital to evaluate patients. Using real images, we will look at common injury patterns and treatments that are used in the field and in the hospital for emergent traumatic conditions. After this talk, you'll feel ready to respond to your next trauma patient! *CE Code: 412A*

Conference Schedule - Friday, February 24, 2023

What's up with Head up? The future of CPR? An update

Essex South

N. Alex Cutsumbis, NRP

Since initially being reviewed in journals a few years ago, heads up CPR, also known as HUP (Heads Up Position) CPR has been studied further and implemented in more places. This talk will review where HUP CPR came from and the current lit supporting (or NOT supporting) its use. Learn if this new approach to CPR has a role in your service! **CE Code: 412B**

FAST LAPSS in the VAN: Making Sense of Stroke Care

Essex Center

John Wooten, MD

Have you wondered why we do the FAST, VAN, ELVO, or other stroke screen in the field and why it matters? This talk will review stroke care, from the initial evaluation in the field to the definitive management in the hospital. We will discuss the pathophysiology of strokes and review the various pre-hospital stroke screens. We will highlight why EMS screens for LVO and how it impacts the immediate treatment in the hospital. We will also discuss the current recommendations for neuroimaging and changing time limits for acute stroke intervention. We will finish with real cases to practice your stroke assessment and knowledge! **CE Code: 412C**

Equitable Care: Fighting Unconscious Bias

Staffordshire

James Dlutowski, NRP

Unconscious bias is present in each of our minds. The question is... can we recognize it? And if we do, what do we do about it? In this program we have an open discussion about unconscious bias and together will design a toolkit to help interrupt bias from affecting patient care. **CE Code: 412D**

Roundtable: Chiefs and Presidents Leadership

St. George D

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

This roundtable 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 help drive the discussion, which will hopefully continue throughout the weekend. **CE Code: 412E**

8:00 pm - 8:50 pm Plenary Session 1

America Center

Disasters Upon Disasters: A Look at Recent Global Disasters

Benjamin Abo, DO, Paramedic, EMTT, FAWM

We continue to train and respond to everyday calls, and every so often disaster strikes in different places. What about when you have disasters hit already disaster stricken areas? What about when your disaster plans get ruined for various reasons? We are going to talk about first hand experiences of responding to one of Florida's worst ever hurricanes when it goes through your own departments areas and are cut off from mainland. We also are going to look at the difficulties of responding to the Turkey & Syria quake. **CE Code: 413A**

8:45 pm - 12:30 am Welcome Social and Mixer

America North

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

America Foyer

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.



PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE

Conference Schedule - Saturday, February 25, 2023

7:00 am	<i>Late Conference Check-in</i>	<i>America Foyer</i>
7:15 am - 8:30 am	<i>Continental Breakfast</i>	<i>America Foyer</i>
7:45 am - 8:15 am	<i>Group Introductions / Meet & Greet</i>	<i>America Center</i>
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 - 9:05 am	<i>Responder Admin Plenary Session 2</i>	<i>America Center</i>
Squirrely Survival: Resurrection from the Flames of a Plane <i>Benjamin Lawner, DO, MS, EMT-P, FACEP and George J. Koenig, Jr, DO</i> Take a trip through the NCEMSF retrospectoscope! Several years ago, NCEMSF hosted a mass casualty drill involving the "old" mascot, Professor Squirrel. Some of the lessons learned during that drill hold true today, and preparation for mass casualty incidents remains a priority for modern emergency medical services teams. The lecture reviews relevant literature and presents information on injury patterns seen in the aftermath of an aviation crash. Discuss survival based strategies in the treatment of severe blunt trauma. <i>CE Code: 511A</i>		



A Note about NCEMSF Lectures and Skills Labs

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. 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 genre. 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.

Closed captioning is available throughout the conference for sessions in America Center/South. Use the address: <https://www.ncemsf.org/closedcaption>

Conference Schedule - Saturday, February 25, 2023

9:15 am - 10:05 am Workshop Session 3

Under Pressure:

St. George

Mental Skills to Perform Best When the Heat is On

Jeffrey Kalczynski, DO

Have you ever noticed that when the stakes are high, some individuals seem to "lock in" and perform their best? Our minds probably jump to our favorite star athletes when thinking about this, but how about those outstanding clinicians who work in high pressure environments daily, when lives are on the line? They say "stress makes you stupid." Come and learn about the techniques used by high performers in multiple fields in order to help you perform your best when it matters most! **CE Code: 512A**

Mass Casualty Incident Management: Triage, Treatment, and Transport

Essex North

Cecilio Padron, MD

Mass casualty incidents have been on the rise over the past twenty years. This presentation on responding to no notice mass casualty events, including active shooter, explosive device attacks, and vehicular attacks, will cover basic concepts including: NIMS and Incident Command Structure; SALT, START, and jumpSTART triage; Triage, Treatment and Transport; Specific procedures and interventions in treatment areas for EMS clinicians; Transport challenges and solutions; Review of after action reports and learning points from the most high profile MCI events of the past 20 years **CE Code: 512B**

Bad Blood: Early Identification and Treatment of Sepsis

America North

Ben Daut, RN and Jamie Eastman, RN, NRP

Sepsis and septic shock are leading killers worldwide. Early identification and treatment of sepsis can reduce mortality and improve patient outcomes. We will identify early signs and symptoms of sepsis in adult and pediatric patients, discuss appropriate prehospital treatment, and provide an overview of typical hospital care pathways. Our presentation will culminate in an interactive case presentation. **CE Code: 512C**

Ultrasound in EMS

Essex South

Joshua E. Glick, MD, FACEP, NCEMSF Alumni Coordinator

This lecture will highlight the emerging use of ultrasound in pre-hospital medicine by non-physician providers. We will cover the current research surrounding its use and the basics of how the technology works. We will then cover several common uses of ultrasound in EMS, including the E-FAST and RUSH exams, as well as facilitation of IV placement. **CE Code: 512D**

1st Due Action for the Non-Transporting EMT

Essex Center

J. Dominic Singh, NRP, I/C

The focus of initial EMT training is primarily based on arriving as the transporting unit. Many EMTs in the field work for non-transporting agencies that call for a different focus. The purpose of this program is to provide a framework for non-transporting EMTs to manage the scene and patient to optimize outcomes and ensure a smooth transfer of care to the transporting agency. **CE Code: 512E**

The Art of Quality Improvement in Collegiate EMS

Staffordshire

Joseph M. Grover, MD, FACEP, FAEMS, NCEMSF Startup Coordinator

All too often EMS organizations find themselves performing quality assurance and passing this off as quality improvement. Little education is provided on a national level in the EMS world on what exactly is quality improvement, and how to perform it in the setting of EMS systems. This course will take you step by step through the process of how to perform quality improvement in your EMS system, and along the way teach you the language of quality improvement including what is an aim statement, what are process/outcome/balancing measures, and how to measure improvement. **CE Code: 512F**

Lightning Talks

America Center

In this first of five similar sessions throughout the day, three 15 minute high-yield, fact-filled talks will make up the session, exposing attendees to a variety of relevant topics. **CE Code: 512G**

EMTALA For The EMS Provider

Hashim Zaidi, MD

EMTALA is often thought to have little to do with EMS. While that may be true for much of the care rendered by an emergency department, multiple EMTALA provisions apply to 911 EMS and are the source of litigation and investigation by the office of inspector general. In this presentation we will cover the provisions that apply to EMS agencies. We will showcase real world examples of these issues with specific case law and present any known outcomes or fines from those cases.

Stats, Stat! Leveraging Data to Improve Care & Operations

Conference Schedule - Saturday, February 25, 2023

Thomas Goode, MS, NREMT

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. Yet, agencies often possess or can collect data, from trends in patient care reports to commonalities among potential members, which can mitigate some of these difficulties. This iteration of "Stats, stat!" examines the clinical care and organizational benefits of applying straightforward analysis to easily obtainable information. The presentation also overviews basic analyses to enable agency leaders to more effectively implement inclusion and equitable opportunities, 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.

To Refuse or Not to Refuse, That is the Question

Olivia SaoBento

Alcohol intoxication complicates almost half of the calls received by university-based volunteer emergency medical services (EMS) agencies across the United States. In addition to acute intoxication, alcohol use can lead to intentional physical assaults and accidental traumatic injuries. In response to rare but tragic intoxication-related events, many universities have developed strict alcohol policies in an effort to reduce liability and discourage underage drinking. This lecture discusses the comprehensive transport refusal policy and the results of its implementation at our institution. We discuss how implementation may reduce unnecessary transports to the hospital, identify patients in need of transport and relieve burden on both the EMS agencies and hospital emergency departments.

Roundtable: The Pros and Cons of Social Media

Parliament

Jeffrey J. Bilyk, ACP(f), NCEMS EMS Week Coordinator

The advent of social media platforms has widely enhanced the ability of organizations to interact with their constituents, message their mission and educate the public. Social media can be used to engage, advertise and celebrate achievements. Conversely, an organization's image can be equally damaged by a single post. In this roundtable discussion, NCEMS leadership will facilitate discussion about responsible social media utilization for campus based EMS. *CE Code: 512H*

Roundtable: Administrator/Advisor/Medical Director

Great Republic

Joshua A. Marks, MD, FACS, FCCM, NCEMS Secretary

In this roundtable dedicated to campus administrators, EMS advisors and medical directors present, NCEMS Leadership will begin discussing concerns of university officials and address issues that they may be facing on their campuses. Meet your fellow university administrators, advisors and medical directors in attendance. *CE Code: 512I*

10:15 am - 11:05 am Workshop Session 4

Human Performance Optimization and Resilience

St. George

Joseph Palfini, RN BSN

The public expects responders to be ready for any emergency whenever disaster strikes. We often don't properly prepare our teams for the toll that the profession can take on the body and the mind. Through a holistic examination of literature from EMS, fire, public safety, and military special operations teams, as well as personal experience, we will discuss our role as leaders in influencing and supporting responders through a comprehensive human performance optimization (HPO) and resilience program. We will discuss the components of HPO, and how our daily choices impact our individual health, team dynamics, functional readiness, and operational performance. We will examine the role of leadership and organizational values in the development of a resilience and HPO program that supports our teams across the life cycle and can improve job satisfaction, performance, and retention. We will also discuss the impacts of these programs outside the workplace, as it impacts our relationships. As leaders in future EMS, fire service, and public safety teams, we must promote a culture that prepares our teams beyond clinical skills, but provides mastery of operational, physiological, and psychological competencies that allow us to not just survive, but to thrive in our chosen profession and beyond. *CE Code: 513A*

Drones in EMS: Current Evidence and Future Directions

Essex North

Tom Leith

Unmanned Aerial Vehicles (UAVs), or drones, are an emerging technology with tremendous potential in helping respond to prehospital emergencies. However, research into this subject is highly fragmented. In this lecture, I review the current literature on the use of drones in EMS, and establish future directions for research. The most widely studied use case for drones in EMS is for medical device delivery, with a particular focus on AED delivery to out of hospital cardiac arrests, and some further studies of naloxone delivery to drug overdoses. Numerous studies have shown significant time savings compared to ground delivery, and geospatial analyses indicate that drones can achieve comprehensive and affordable coverage even of highly rural areas. Drones are also increasingly being used in austere and disaster medicine settings for scene surveillance,

Conference Schedule - Saturday, February 25, 2023

communications, and search and rescue efforts. Future studies should investigate the use of more versatile drones able to rapidly deliver a variety of diagnostic, therapeutic, and communications tools, and how best to integrate such drones into existing EMS systems. *CE Code: 513B*

Resuscitate Before You Intubate

America North

Spencer Braunstein, NRP, UF CCP, FP-C

Intubation remains a hallmark skill of paramedicine in the United States. Paramedics are largely trained in the psychomotor aspects of intubation, ensuring they perform the procedure in a safe and effective way through equipment preparation, the use of anatomical landmarks for identification of the glottis, and the tools to appropriately determine a placed or misplaced endotracheal tube. Even the best proceduralist can harm their patient if they don't adequately ensure their patient is stable enough for the procedure. The prehospital environment poses unique challenges to treating peri-arrest patients in the field, and sometimes the tools intended to help our patients can do more harm than good. We will examine what "resuscitate before you intubate" means and how to deal with peri-intubation hypotension. Most importantly we will discuss why the intubation of a patient with a pulse and without a pulse should be considered a different procedure. *CE Code: 513C*

Geriatric Trauma

Essex South

Ken Lavelle, MD

Geriatric patients are at increased risk for unusual injuries after a simple fall or other minor trauma. This program will explore the role of age, chronic conditions and medications on geriatric trauma patients. *CE Code: 513D*

ECPR: Coming Soon to an EMS Agency near you?

Essex Center

Adam Fox, DO, FACS

With the traditionally dismal outcomes from out of hospital cardiac arrest, health care professionals are constantly looking for ways to improve. Extracorporeal Membrane Oxygenation (ECMO) has provided new survival opportunities to certain patient populations. Can initiating ECMO in the prehospital environment improve cardiac arrest outcomes? In this talk we will discuss how eCPR is being incorporated into the prehospital environment. *CE Code: 513E*

EMS Beyond a Binary: Trans and Intersex Healthcare in EMS

Staffordshire

Delia Sosa, MS

What does it mean to be transgender or intersex? What do we mean when we talk about gender-affirming healthcare? How does trans and intersex care extend into collegiate EMS? When we talk about trans and intersex healthcare, the first things that often come to mind are surgery and gender-affirming hormone therapy. But, it extends so much wider than that. In this presentation, we'll learn how to conceptualize gender and biological sex in an inclusive and accurate way, how trans and intersex care is a part of every aspect of healthcare, and how collegiate EMS units can provide inclusive, affirming, and safe emergency medical care to transgender and intersex patients. *CE Code: 513F*

Lightning Talks

America Center

In this second of five similar sessions throughout the day, three 15 minute high-yield, fact-filled talks will make up the session, exposing attendees to a variety of relevant topics. *CE Code: 513H*

Diamond in the Rough, The Trauma Diamond of Death

Hendrik Bilek, BSN, RN, CFRN, C-NPT, NHDP-BC, PHRN

We have all had the trauma triad of death beat into our heads since EMT school, but times have changed and we have forged that triangle into a diamond. Join us as we look into current trauma resuscitation trends and outcomes with cases from one of the busiest trauma resuscitation centers in the country.

Time is Brain!

Gabe Gan, MPH, NRP

Stroke is the 5th leading cause of death in the United States. In the past decade, stroke treatments have become more effective and available, but require the patient to be at the right facility within the right time window. EMS providers play a crucial role in rapidly identifying stroke and transporting these patients to the most appropriate facility. This lecture will discuss the assessment, treatment, and transport of suspected acute stroke patients as well as present real case studies from a large, urban fire-based EMS system.

Tummy Time: GI/GU Emergencies in the Young Adult

Cassandra Crouse, NRP, FP-C

Have you been a victim of abdominal pain resulting in an ED visit? Data shows that age 20 is the average age for appendicitis in the U.S. Unfortunately, 1 in 1,000 individuals will experience it. This lightning talk will discuss GI/GU emergencies prevalent in the young adult population. Topics include appendicitis, Crohn's disease, hernias, endometriosis, and more...

From Awkward to Awesome:

Adams

Turning Difficult Dialogues into Exquisite Exchanges

Conference Schedule - Saturday, February 25, 2023

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: 513G**

Roundtable: Technology

Parliament

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: 513I**

Skills Lab: Airway

Defender

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

Airway management is a foundational component of prehospital medical practice. Despite years of training and research, first pass intubation success rates remain below acceptable levels. Airway proficiency is related to initial competency and ongoing education. Participate in a "hands on session" dedicated to successful airway management techniques. Learn from expert airway managers and identify techniques to improve both basic and advanced airway management strategies. **CE Code: 513J**

Skills Lab: Ultrasound - E-FAST/RUSH

Empire

Joshua E. Glick, MD, FACEP, NCEMSF Alumni Coordinator

Students will have the opportunity to practice the E-FAST and RUSH exam with a hand-held ultrasound machine. PARTICIPANTS MUST HAVE ATTENDED THE ASSOCIATED ULTRASOUND LECTURE THE PROCEEDING HOUR TO PARTICIPATE. ATTENDANCE FOR THIS LAB IS CAPPED AT 20 PARTICIPANTS. **CE Code: 513K**

11:15 am - 12:00 pm Workshop Session 5

22nd 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.

From Brugada Syndrome to Commotio Cordis: Sudden Cardiac Death in Young Adults

St. George

Eric Grin and Julia Perugini

The sudden death of a seemingly healthy young adult marks a shocking tragedy and leaves a deep scar on the surrounding community. While statistically rare, the CDC reports hundreds to thousands of young people suffering sudden cardiac death (SCD) every year. The incidence of SCD is especially heightened within the realm of high intensity athletics and can be attributable to congenital heart abnormalities, electrical abnormalities, and traumatic mechanisms. Possessing a basic understanding of the pathophysiology of SCD is of particular relevance to collegiate EMS providers serving university populations where athletic events are commonplace. Research and policy present both preventative and responsive measures, from chest wall protectors to safety baseballs, to augment safety in competition. However, in the case of SCD, the importance of early high-quality CPR and defibrillation are paramount. To this end, collegiate EMS agencies occupy a critical role in promoting preventative measures and leading community-wide education, especially in the delivery of high-quality CPR. **CE Code: 514A**

Racial Bias in EMS

Essex North

Delaney Kenyon

How did skin pigmentation evolve? How has the evolution of skin pigmentation turned into social constructs like race? How has race and the bias associated with race weaseled its way into medicine? What assessments or tools are EMTs using that could be inherently biased, leading to a gap in care and patient harm/death? In this workshop, students will answer these questions by discussing how pulse oximetry, pain medication administration, successful birth metrics, assessments of cyanosis, kidney transplant selection, response times, handling of mental health emergencies, response to prone restraints by police, and hospital selection are all biased and negatively affect the care of patients of color - causing a significant gap in care and distrust in this patient population. As we learn more about how medicine has neglected and harmed minoritized patient populations, we must learn how to change our assessments, acknowledge the harm we've caused, and move forward to be more equitable and reduce the harm we could inflict. **CE Code: 514B**

Conference Schedule - Saturday, February 25, 2023

Healing the Hidden Wounds: a Guide to Mental Health

America North

Richard Lee and Ali Ebada

Mental health emergencies are extremely prevalent in EMS; mental illness calls account for over 1.5 million EMS activations a year. Within the college population, students are more prone to having mental illnesses at a time of rapid neural development and stress. Almost three-quarters of students reported moderate or severe psychological distress in a given school year. It is imperative that collegiate EMS agencies refine the ways in which they diffuse crises on-scene while simultaneously investing in their patients, long-term. Here, we capitalize on both monumental developments this past year in EMS mental health care as well as the past presentations of our NCEMSF peers to best show how to care for the mental health of a college campus. Our talk aims to provide a foundation by which collegiate EMS agencies can adapt to the evolving needs of college students nationwide, through crisis management and community engagement. Our unique insight has been derived from combining peer-reviewed research with our interviews with medical directors, licensed counselors, a former Director of Grady EMS, and university administration. We aim to give other collegiate agencies actionable, effective steps in adopting a more proactive role in mental health in their communities. *CE Code: 514C*

The Benefits of High-Pressure Training in Collegiate EMS

Essex South

Sarah Sullivan and Lillian Hohag

As collegiate EMS organizations, call volume is often limited to a specific demographic: healthy young adults. This makes higher acuity calls and specific patient populations more sparse on campuses, causing a lack of confidence in collegiate EMTs attending these calls. Fordham University EMS implemented a novel "High-Pressure Training" during the 2021-2022 academic year. The training was created to be realistic, including theater make-up and student actors. The training covered a wide range of topics that are rare but could happen on campus. The training included a drowning victim in the on-campus pool, a victim jumping out a dormitory window, a baseball player suffering from traumatic cardiac arrest, and other scenarios. EMTs were then graded on their performance based on a rubric of protocol and critical failures. In addition to the mock scenario rubrics, a pre and post-training survey was issued. The data showed that students were more confident in their EMT skills and had better protocol knowledge. This survey and rubrics allow the agency to see where training could be tailored. Overall, this was successful for Fordham and could be implemented in other college EMS agencies. *CE Code: 514D*

The LifeSaveHer Project: Tackling Gender Disparities in OHCA Outcomes

Essex Center

Roanna Zou and Sabrina Liu

Bystander cardiopulmonary resuscitation (CPR) and usage of an Automatic External Defibrillator (AED) significantly increase the survival probability of an out-of-hospital cardiac arrest. Numerous studies show that women experiencing cardiac arrest are significantly less likely than men to receive bystander CPR, leading to lower rates of survival-to-hospital-discharge for female patients. Survey data published by the AHA indicates that a major source of discomfort when performing CPR on women is fear of sexual assault accusations or inappropriate physical touching due to culturally-ingrained female sexualization. Though the incorporation of female anatomical training aids has been suggested by prior research, current solutions are unrepresentative, expensive, or overly specific to certain models of CPR manikins. Thus, there is a need for a CPR manikin training attachment that accurately simulates female torso anatomy, is cheap and durable, and is universally adaptable to common CPR manikins. CPR Instructors and EMTs of MIT EMS and Harvard CrimsonEMS have collaborated on building the "LifeSaveHer," a female-anatomy CPR manikin attachment made from special-effects-grade silicone and integrating it into experimental CPR courses. Changing future CPR curricula to include more effective anatomical training aids and information specific to performing CPR on women may close gender disparities in out-of-hospital cardiac arrest outcomes. *CE Code: 514E*

UEMR Collegiate EMS Probationary Training

Staffordshire

Mark Salazar

University Emergency Medical Response is a student-led EMS organization at The University of Texas at Dallas. This presentation will focus on various aspects of the training program implemented during the probationary period. The unique circumstances that present themselves with being a collegiate EMS agency impact the way a training program is run. Factors such as the high-turnover rate of graduating providers means that a large number of new providers need to receive training. Due to this, and other factors, such as how to remediate an EMS Provider, the training program has been developed over the years to meet those needs. For example, one of the strategies used to motivate providers is an annual Mock Call Extravaganza. This talk will discuss how to implement this exciting motivational tool, in addition to how Tier Rewards can motivate your providers. A successful training program ensures both the success and ongoing leadership succession of the first responder organization. *CE Code: 514F*

Regional Roundtable Discussions

America Center

NCEMSF 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: 514G*

Conference Schedule - Saturday, February 25, 2023

12:00 pm - 1:00 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.

1:00 pm - 1:50 pm *Workshop Session 6*

Not Your Granddad's Documentation Course

St. George

John Mercun, MA, EMT

Charting - it's the worst! 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. What's worse is that many of us were never taught how to write good charts and most charting sessions have all the excitement of an abandoned TikTok channel. This session, taught by an entertaining guy by the way, will change all that for you. We will review: the "why" and "how" of documentation, methods to make a good narrative a great one and how to help your members get better at charting. All that plus risks, rights, refusals and the rest. New and improved for 2023: This is **still** not your Granddad's documentation course! *CE Code: 515B*

Mobile Health: The Future of Healthcare

Essex North

Terence Whalen, MICP, NRP, Travis Jenkins, and Patrick Smith

In EMS, it is often easy to view healthcare twenty minutes at a time. However, dropping the patient off at the emergency department or at home is just one of many steps in the patient's healthcare journey. Join DocGo's (a leader in last-mile mobile medical solutions) national management team to discuss the gaps present throughout the healthcare ecosystem as it pertains to the continuum of patient care and the community's overall well-being. They will present approaches (and technology) that can be implemented to fill these gaps, thereby improving patient care and community wellness. *CE Code: 515C*

The Moon is Cheese: Cases in Altered Mental Status

America North

Meghann Zapcic-Desrochers, MD

Altered Mental Status is one of the broadest categories of chief complaint, and on a spectrum of drunk to dying, how can you sort it all out with limited information? In this hour long session, we will discuss what it means to be "altered", learn how to improve your differentials, and evaluate real world cases for likely diagnoses and practical field interventions. We will also practice how to effectively hand these patients over to the next provider. *CE Code: 515D*

The Sky is the Limit

Essex South

Jamie Eastman, RN, NRP, Ben Daut, RN, Nicholas Ludwig, RN, Aisling Sammon, RN, and James Boomhower, Paramedic

A Panel of 5 critical care transport nurse and critical care paramedics will discuss how their involvement with collegiate EMS was the starting point for their career in flight/critical care transport. Each panel member will discuss their experience in collegiate EMS and their pathways after college. They will discuss their process for getting hired and how they maintain their current careers. Panel members were students and EMS at local New England colleges and universities and now work within New England at Critical Care Transport Programs to include Dartmouth-Hitchcock Advanced Response Team (DHART), University of Vermont Healthnet Critical Care Transport, and Boston MedFlight. *CE Code: 515E*

Lead How? Manage Who? Leadership Basics for EMS

Essex Center

Nicholas Witczak

From the incident scene to the meeting table, leadership and management is vital to the success of every EMS organization. This presentation will provide the foundation on which members of EMS organizations can recognize the different forms of management used in their organizations and develop their own leadership skills by focusing on several basic key leadership principles and management topics. *CE Code: 515F*

Street Ethics: Decision Making in Crises

Staffordshire

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: 515G*

Conference Schedule - Saturday, February 25, 2023

Lightning Talks

America Center

In this third of five similar sessions throughout the day, three 15 minute high-yield, fact-filled talks will make up the session, exposing attendees to a variety of relevant topics. *CE Code: 515H*

Micromobility: Public Service or Public Nuisance

Gary Hecker, RN, CCRN, EMT-CC, CIC, NHDP-BC

Micromobility devices include e-Bikes and E-Scooters. These devices offer quick, low cost convenience for short distance travel. In addition to personally owned devices, many cities and college campuses offer short term rentals. While convenient, these devices are not without safety concerns. Injuries are highly prevalent among riders and pedestrians alike. In this session we will define micromobility and give examples of devices out there. Safety issues and injury patterns will also be discussed. Participants will be given tips to bring back to their campus to help make micromobility safer.

When Nature Calls-EMS After Hurricanes in U.S. Virgin Islands

Les Polk, MS, NRP, FACPE

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

Explore Phoenix Training: Addiction & Connection to Treatment

Meghan Burk, MS

This lightning talk will provide an overview of the efforts made by Saint Joseph's University's Center for Addiction and Recovery Education to provide information and resources to public safety professionals who interact with people living with addiction. Through the Center's Phoenix Training program, more than 4000 public safety professionals, including EMS, firefighters and law enforcement officers have been trained on the science of addiction, the role of trauma in developing substance use disorder, pathways to treatment, managing stigma and motivational interviewing techniques. In this session, attendees can expect to learn about this program's mission, educational content, successes and opportunities for improvement. Specifically, attendees will learn how the Phoenix Training program has provided meaningful support to the Public Safety departments at colleges and universities in Southeastern Pennsylvania, as the area copes with an addiction crisis. Attendees will gain an understanding of how Phoenix Training assists Public Safety Professionals through a rigorous training curriculum, supervisor workshops and national network of peer support.

Roundtable: Picking Up the Pieces Post-COVID

Parliament

Gabe Gan, MPH, NRP, NCEMSF Regional Coordinator

The effects of COVID have created a lasting impact on our organizations. This roundtable discussion will focus on how COVID has changed campus based EMS. Other sessions will focus on the medical preparedness and treatment of this novel virus; the goal in this session is to share administrative and training challenges encountered and review and explore solutions to those challenges. *CE Code: 515A*

Poster Session Walk Rounds

America Foyer

Ernest Wang and Christopher Gaeta, 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. 2023 Posters:

1. Delaney Kenyon - Colorado College - Bias in EMS: Evolutionary and Revolutionary Curricula
2. Aarushi Gandhi - Eckerd College - Investigating the Impacts of Collegiate EMS at Eckerd College
3. Adhitya Balaji - Indiana University Bloomington - Planning and executing a large-scale simulation training for collegiate EMS providers
4. Abigail Schipper - MIT - Static and Dynamic Stability of an Ambulance Stretcher
5. Margaret Dickey - St. Olaf College - Presumptive Diagnosis of Alcohol as Etiology of Altered Mental Status
6. Mikaela DiSalvo - University of Arizona - The Impact of Biological Sex on Pre-Hospital Vital Signs
7. Joseph Alderson - Western Illinois University - Secondary Response Crew
8. Sarah Toczone - University of North Carolina - Feasibility of EMS Incorporation in Campus Health Vaccine Administration Efforts

Conference Schedule - Saturday, February 25, 2023

2:00 pm - 2:50 pm *Workshop Session 7*

Federal DMATs:

St. George

Deploying After Disaster to Provide Medical Care

Dan Bruce, NRP, FP-C

After a disaster strikes, local municipalities are often destroyed and left overwhelmed, unable to meet the medical needs of their populace. So who do they call? The federal government. DMATs, or disaster medical assistance teams, are a component of the National Disaster Medical System, under the Department of Health and Human Services. DMATs are most well-known for deploying to hurricanes along the East and Gulf Coasts, but they also provide medical care after earthquakes and floods, to relieve strained hospital systems, for mass prophylaxis events, and more recently, in the wake of COVID-19 outbreaks. Learn about what makes DMATs flexible enough to set up a basic emergency department anywhere in the country-even in places without electricity, running water, or internet access. *CE Code: 516A*

Your Wish is Their Command!

Essex North

Concise Biotelemetry to Medical Control

Les Polk, MS, NRP, FACPE

EMS providers may consult with on-line medical control in both routine and high-acuity patient cases to convey assessment findings, discuss treatment plans, and make pre-hospital notifications for multidisciplinary team responses. Consults with on-line medical control can be stress-inducing events for EMS providers and have the potential for communication gaps and medical errors if not performed well. This presentation will provide tips, tricks, and industry best practices for providing organized, concise, and accurate biotelemetry consults that will have actionable impact on clinician practice. *CE Code: 516B*

When Athletes Collapse: CPR on the Sports Field

America North

Yoni Litwok, MD, NCEMSF Director-at-Large

During the Euro 2020 soccer championship, the world witnessed one of the most feared events that can occur on a sports field. Christian Eriksen of Denmark suffered a cardiac arrest in the middle of the game. For minutes, millions watched with bated breath as the training staff performed CPR and defibrillation on live TV. During this lecture we will review what went well during this resuscitation and what went wrong. We will discuss how to optimize you and your organization's CPR skills by understanding the science of BLS and ACLS protocols. You will learn tips and tricks to optimize your CPR capabilities. The goal of this lecture is to prepare you and your school, so that not if, but when a cardiac arrest occurs on the soccer field, you will be as prepared as possible. *CE Code: 516C*

The Worst Case Scenario: Pediatric Trauma MCI

Essex South

Jason Oberoi, MAOL, BSN, CEN, NRP

A case study in pediatric Trauma MCI. Will review JUMPSTART triage as well as relay real life lessons learned. *CE Code: 516D*

Creating a Protocol for Intoxicated Patients: A DIY Adventure *Essex Center*

Thomas Goode, MS, NREMT

Virtually all collegiate EMS providers encounter an 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: 516E*

A Crash Course in Disaster Preparedness and Response

Staffordshire

Ilana Shecter, 2 LT US Army, and Andrew Shanes

Disaster Medicine is an emerging field with an increasingly important role considering today's current events. Come join us to learn more about how medical professionals, with varying backgrounds and experiences, can lend a hand when disaster strikes in their community. In an interactive session, we will discuss how both physicians and other community members can better prepare for the next catastrophe, no matter the scale. Developed in conjunction with the World Association for Disaster and Emergency Medicine's Student and Young Professional Special Interest Group. *CE Code: 516F*

Conference Schedule - Saturday, February 25, 2023

Lightning Talks

America Center

In this fourth of five similar sessions throughout the day, three 15 minute high-yield, fact-filled talks will make up the session, exposing attendees to a variety of relevant topics. *CE Code: 516H*

CPR Innovations: A Critical Review

Trevor Thomas, PA-C

This lecture will review some of the cutting edge changes and innovations in cardiac arrest management that have been implemented in the past decade. What works, what doesn't work and what questions are still unanswered? Expect to take a close look at topics including on-scene resuscitation, therapeutic hypothermia, prehospital ECMO and mechanical CPR, use of point-of-care ultrasound, end-tidal CO2 and video laryngoscopy.

“Where does the Needle Go?”

Advancements in the Management of Tension Pneumothorax

Robert Waddell

For the experience and inexperienced Provider alike the reality of any High Criticality and Low Frequency treatment procedure takes the essential need to execute properly to an intense and complex level of managing knowledge, skill, and emotion where errors can be created, and patients suffer with the aftermath. Studies have shown that up to 33% preventable deaths on the modern battlefield are related to tension pneumothorax. New studies indicate historical decompression site location and catheter size are associated with elevated rates of treatment failure and post procedural complications. This discussion will include more recent, peer-reviewed research related to the need for early decompression, impact of delayed treatment, regardless of cause, reduced risk insertion sites, and alternatives for needle insertion techniques.

So You Got ROSC...Now What?

Lucian Mirra, MEd, NRP

We spend a great deal of time training on how to manage a cardiac arrest, and rightfully so. Many providers can recite cardiac arrest algorithms without much thought. But what happens when we are successful? Gaining a return of spontaneous circulation (ROSC) isn't time to high-five one another. On the contrary, ROSC is perhaps where the real work begins. This presentation will focus on the management priorities in the minutes after gaining ROSC, and will equip you with the tools necessary to ensure that the ROSC is sustained.

My Name is ____: Reconnecting in a Post-Pandemic World

Adams

Eric Garrison, MAEd, MSc

As we doff our N95s and ease back into a post-pandemic world, greet our loved ones, join friend groups, engage in debates, and perhaps even dip our feet or fingers in the dating pool, many of us feel over(t)ly awkward doing so. Eric Garrison has promoted healthy relationships at universities for years, and 2023 is no exception! Be one of the first people to join this discussion circle and discover tips and tricks to go from a life of forced isolation to one of harmonious socialization and face-to-face engagement. Eric will invite you to volunteer your own tips and tricks as well, and we will all leave this session with a bit more capacity to embrace the awkward and face our social fears - for the sake of our schools, squads, friends, and family. *CE Code: 516G*

Roundtable: Recruitment & Retention

Parliament

Matthew D. Ricci, MPA, NCEMSF Regional Coordinator

This roundtable discussion will focus on recruitment and retention issues on college campuses. Share your struggles and successes with your colleagues and share innovative programs and how you implemented them on your campus. *CE Code: 516I*

Skills Lab: Resuscitation of a Drowning Victim

Defender

Tommy Renner, BA, EMT-Ocean Lifeguard, NCEMSF Regional Coordinator

Drowning takes the lives of an estimated 372,000 people each year, many of whom are children. This hands-on skills session will teach attendees how to better resuscitate drowning victims. We will focus on team resuscitation practices and some specific airway management techniques. TLDR; AHA recommends ABC over CAB for drowning victims. OXYGEN, OXYGEN, OXYGEN! *CE Code: 516J*

Skills Lab: Scrutinize the Squiggles! (ECG Interpretation Lab)

Empire

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

ECG interpretation is relevant to all levels of EMS clinician. Rapid identification of injury and illness pattern expedites definitive care and improves patient outcomes. Though a large portion of ECG interpretation is focused on the ST elevation myocardial infarction, there are other injury patterns linked with significant mortality. Engage in case based discussion and hone your skills at scrutinizing the squiggly lines. Learn from emergency physicians and paramedics about time sensitive conditions represented on the ECG tracings. *CE Code: 516K*

Conference Schedule - Saturday, February 25, 2023

3:00 pm - 3:50 pm Workshop Session 8

NHTSA Office of EMS

St. George

Clary Mole, MSEM, NRP

The presentation demystifies federal involvement in EMS and helps younger learners have a better grasp of the National EMS ecosystem. EMS Education curricula do not address the EMS in the USA from a historical perspective. nor does it advise students on how can get involved after they become practitioners. This presentation elucidates this information and hopefully instills a sense of professional pride and life-long commitment to EMS. *CE Code: 517A*

Welcome to the Main Event! Planning for Mass Gatherings

Essex North

Lucian Mirra, MEd, NRP

With the world largely returning to a sense of normalcy around mass gatherings, these events are again a common occurrence at every college and university campus. From athletic events, to festivals, to high profile speakers, campus EMS services are often called upon to staff these events - but how does one go about planning for this? Using real case studies as a lens, presentation will lay out a conceptual framework for planning for these events, review various models for determining staffing, and review special considerations. *CE Code: 517B*

You Took What? Recognizing Toxidromes

America North

Joseph M. Grover, MD, FACEP, FAEMS, NCEMSF Startup Coordinator

Unfortunately, drug ingestions remain a common complaint for collegiate EMS agencies. Little time is spent in most EMT-B courses describing the different toxidromes. The purpose of this lecture will be to break down common toxidromes to give providers a better understanding of how to recognize and treat common drug ingestions. *CE Code: 517C*

Shock Delivered: Rethinking "Public Access Defibrillation" to Make Devices Publicly Accessible

Essex South

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

Public Access Defibrillation programs have been utilized throughout the United States for over two decades, however, in many cases devices are not truly accessible to the public when they are needed in an emergency. This presentation will use evidence to support the placement of AED units in outdoor spaces utilizing systems that allow for 24 hour a day access to emergency equipment. We will share a case study out of Massachusetts of an athlete who was successfully defibrillated using a secure access defibrillator that was deployed in a public park. *CE Code: 517D*

The Military's Civilian SAR Capabilities

Essex Center

Brandon Murphy

Dive into the world of search and rescue from the military's perspective. You will get a close look at how the National Guard responds to and provides emergency medical care across the United States utilizing state and federal assets in times of crisis. We will take a close look at specific events where the Guard has worked closely with civilian agencies both foreign and domestic to ensure the best possible outcome for the situation. We will also take a deep dive into how being a part of a university-based EMS agency could potentially set you up for a different careers in the military, from Pilot to Flight Surgeon to becoming a member on the Special Operations Surgical Team. *CE Code: 517E*

Are You Dealing with Emotional Vampires or Do You Need EI to Translate?

Staffordshire

Koralia Burz, MS

Emotions are an integral part of human experience. By improving our emotional agility we can deepen our connection with others, pursue meaningful professional goals and maintain focus during stressful situations. Potential trigger warning - this talk will include descriptions of situations that some might find distressing. *CE Code: 517F*

Lightning Talks

America Center

In this final of five similar sessions throughout the day, three 15 minute high-yield, fact-filled talks will make up the session, exposing attendees to a variety of relevant topics. *CE Code: 517G*

Scary Spice & Everything Nice: Spice Girls of Leadership

Nina Olds, BS, EMT-B

The term "leadership" can seem like an intangible trait that gets talked up and thrown around frequently, especially in the setting of collegiate EMS agencies. It's an important trait to have, no doubt, but what exactly is it, and how do you get there? How do you know if you're doing well? While finding your groove can be difficult, leadership is a trait that can certainly be developed and honed. In this lightning talk, we will examine leadership through the lens of the famous five-girl British group: the Spice Girls! We will discuss why leadership is important, different leader styles, and how to develop and reflect on your leadership skills. Come on over to find out which Spice you are!

Conference Schedule - Saturday, February 25, 2023

Trauma Consciousness - It's Okay to Not be Okay

Yeon Choi

Signing up to be a first responder is great. You get to do a lot of cool skills, you get to help people, you get to drive a loud flashy ambulance, and you can go home with some funny stories to tell your friends and family. Unfortunately, a lot of times, it's not all saving lives and fun stories like in the shows and movies. In EMS, you sign up to deal with traumatic events and are deeply involved in patient stories and lives, but this does not mean that these events should not directly affect you. We often think that because this is our job, we should be okay, but this is not always the case. It is important to acknowledge the stigma around stress resiliency and the occupational hazards that come along with it. In this session, we will discuss the physiology behind our stress response, the importance of well-being, and why it's okay to not be okay.

Pressing Pause: Re-evaluating How We Respond to Assist the Police

James Dlutowski, NRP

EMS providers respond to assist the police each and every day. The relationship between law enforcement and EMS is both intimate and integral. A positive working relationship is necessary to ensure adequate, cooperative service delivery as well as crew safety. The relationship between EMS providers and law enforcement officers, however, must never jeopardize patient safety or community service. In this program we analyze recent critical failures of EMS providers to act appropriately while assisting law enforcement. We will discuss the ethics involved in these sometimes high-profile cases. Together we will build a foundation for providing guidance to your agency's providers on how to handle these calls while preserving a cooperative relationship with your local law enforcement agency.

Panel Discussion: Careers in Emergency Management

Adams

Eric Pohl, MS, NRP, NCEMSF Emergency Management Coordinator

Emergency management is a growing field in the public and private sector, and the field needs candidates with leadership experience, analytical thinking skills, the ability to solve problems while under stress, and experience working collaboratively with others inside and outside one's organization. Collegiate EMS alumni are uniquely suited for jobs in this field. This panel discussion will feature representatives from emergency management in a variety of sectors (government, public health, private industry, etc.). *CE Code: 517K*

Roundtable: Inside the Journal of Collegiate EMS

Parliament

Christopher Gaeta and Ernest Wang, Journal of Collegiate EMS

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: 517H*

Skills Lab: Management Of Aggressive Behaviors (MOAB)

Defender

M. Carl Flesher, MSIS

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 to success for these difficult encounters. 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: 517I*

Skills Lab: All Bleeding Will Stop - Sooner or Later!!

Empire

Robert Waddell

One of Dr. Peter Rosen's Trauma Pearls was, "all Bleeding will stop sooner or later if you do nothing for your patient." Your Grandparents usually knew, without any medical training that packing something into the bleeding wound stopped or at least slowed down blood loss. Occasionally they might have had to fabricate a tourniquet to get the bleeding stopped, but the goal was to stop the bleeding! Since December 1, 2017, a national recommendation has been ALL EMS PROVIDERS OF ALL LEVELS be allowed to pack bleeding wounds and apply a tourniquet as part of a larger hemorrhage control initiative. This skills-based session will review the concepts and techniques of properly controlling bleeding specifically using wound packing techniques and tourniquet application. *CE Code: 517J*

3:50 pm - 4:05 pm *Snack Break*

America Foyer

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

Conference Schedule - Saturday, February 25, 2023

4:05 pm - 4:55 pm Workshop Session 9

Critical Care, Critical Communication

St. George

C Patrick Lombardi, RN

So you have mastered clinical skills and have risen to the rank of crew chief, but why are resuscitations still chaos, sometimes? This interactive lecture will review best practice communication and leadership techniques in the high stress environment you are called to work in. Let's rein in the chaos and bring the stress down to a manageable level! **CE Code: 518A**

Emergency Management: It's More Than Just ICS

Essex North

Daniel Maas, CEM, EMT-B

Emergency Management is a year-round activity that starts long before and continues long after an emergency response. NCEMSF has acknowledged the importance of coordinated emergency management programs through development of the EMS Ready Campus recognition program. This session will introduce you to the basic concepts of all-hazard emergency management. We will discuss the four phases of emergency management, discuss squad activities that can improve squad and campus preparedness, examine how large incidents are managed, review the role of exercises in improving response performance, and discuss examples of emergency management related activities for EMS squads. A case study will examine how an EMS squad dealt with the loss of an ambulance and the need for continuity of operations plans. **CE Code: 518B**

Show Me The Money!

America North

Funding a Campus Agency Beyond Your University Budget

Sheila Elliott, MS, Paramedic

Most campus EMS programs begin with a very small budget or receive no funding at all. In this session, we will discuss innovative and creative ways on how to fund your campus EMS agency beyond your university budget. We will share the experiences we have had in our campus EMS agency at The University of Texas at Dallas, which was started in 2017 by a group of students providing EMTs solely at campus events. Now, our campus agency has incorporated a 24/7 ALS supported response, has 1 full time campus EMS administrator with no increase in university funding until recently. We will discuss ways to incorporate EMS Education as a funding model in addition to CE opportunities and recertification type courses for alternative resources. In this presentation, we will also discuss ways to incorporate student leadership, how to build morale in any size agency and discuss creative ways to provide incentives for your EMS providers. Lastly, we will have an audience Q&A session with 8 members of our student leadership. **CE Code: 518C**

A Bad Day In The Laboratory

Essex South

Arman Fardanesh, MS, MBA, NREMT and Matthew Zoda

When HAZMAT (pronounced S&I\$) hits the fan, does your agency have a plan in place to respond to on-campus laboratory emergencies? Who is really in charge? What are your top priorities and special considerations to ensure a coordinated and successful response? This exciting and fast-paced lecture will provide attendees an overview of response to laboratory emergencies and the potential hazardous conditions emergency responders may encounter upon arrival. This lecture will provide perspectives from Environmental Health & Safety, Hazmat, and Fire professionals and culminate in a tabletop exercise and response scenario to a high containment laboratory breach. **CE Code: 518D**

Hot off the Press: EMS Research in 2022

Essex Center

Joshua E. Glick, MD

We will spend the hour discussing the hottest topics published in EMS research over the past year. We will cover both BLS and ALS topics, and will leave time at the end to discuss any controversial concepts and results. **CE Code: 518E**

Sense & Sensitivity:

Staffordshire

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: 518F**

Roundtable: Administrative Challenges in a Collegiate EMS Agency

Parliament

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: 518G**

Conference Schedule - Saturday, February 25, 2023

Skills Lab: Splinting Improv

Defender

Graham Prather, MS, WEMT

In this hands-on skills session not only will we review treatments and splints for unusable musculoskeletal injuries, but we'll play with creative techniques and the principles that support exceptional splint building when we don't have access to our traditional ambulance supplies. Not just relevant to those that work in more remote, austere, or wilderness environments, this will improve your back of the rig splints as well. With the goals of improving patient comfort, pain management, and tend to psychological needs, who doesn't want to build an amazing splint for their patient? If you are planning to attend and have an extra clothing layer you can put in your backpack, or other random items you've dreamed of trying to build a splint with, please feel free to bring them with you. **CE Code: 518H**

Skills Lab: Best Practices for Field Treatment of Pelvic Injuries *Empire*

Robert Waddell

Ancient Physicians knew stabilizing a fractured pelvis was critical to the survival of the injured patient, have we forgotten the lessons of old? Modern science combined with old world wisdom techniques provides participants with the knowledge to assess pelvic fractures commonly missed and provide treatment options proven to reduce morbidity and mortality. This session will introduce some participants to these critical thinking pearls for the first time and reinforce them for others. **CE Code: 518I**

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

Introduction

George J. Koenig, Jr, DO, NCEMSF President

Passion, Service & Values

Ebin Latrimurti

Ebin Latrimurti is a Paramedic with no formal college degree, only a Paramedic certification. He is also the Founder and President of an EMS agency that started 10 years ago with nothing more than \$5000 in the bank. Ebin shows you how life experience has taught him to lean into his passions, his mission to serve and his guiding values to achieve more than you believe and the rewarding benefits that come from perseverance. **CE Code: 519A**

6:00 pm - 7:00 pm *Leadership Presentation & Business Meeting* *America Center*

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 will be commended.

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 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* *Staffordshire*

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.

7:00 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, Casino and Glow Gold!

Conference Schedule - Saturday, February 25, 2023

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

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 festivities!

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...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 at 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...

Continuing Education (CE) Credit Information

Get Continuing Education Credit for the lectures you attend!

All NCEMSF conference sessions are eligible for continuing education provided through the Texas Department of State Health Services (CE License Number 600865). A maximum of 16 hours of CE are available for those that attend an educational offering every hour of the 2023 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, you will be able to manually enter your attendance via the “My CE Records” utility when you rate the speakers and topics as described below.

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** for sessions you attended. If you checked into sessions via SMS, you can also correct any errors. If you did not use SMS, you will be able to select the 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 or NREMT as state-approved CE. Some states may require a copy of this conference program or other information as well.
- All steps must be completed by May 1, 2023.** 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 103 universities (1,158 + delegates) had registered:
(information below is from the NCEMSF Database, please see your RC to update your profile)*

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
Arizona State University	4	AZ	Central	BLS	QRS
Binghamton University	24	NY	New York	ALS	Ambulance Transport
Boston College	7	MA	Massachusetts	BLS	QRS
Boston University	1	MA	Massachusetts	BLS	QRS
Brandeis University	20	MA	Massachusetts	BLS	QRS
Brigham Young University	4	UT	Central	BLS	QRS
Brown University	11	RI	Northeast	ALS	Ambulance Transport
Bryn Mawr and Haverford Colleges	4	PA	Pennsylvania	BLS	QRS
Carleton University	10	ON	Canada	FR	QRS
Carnegie Mellon University	22	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	20	OH	Midwest	BLS	Ambulance Transport
Clarkson University	13	NY	New York	BLS	QRS
College of Charleston	4	SC	Southeast	ILS	Ambulance Transport
Colorado College	5	CO	Central	BLS	QRS
Columbia University	24	NY	New York	BLS	Ambulance Transport
Cornell University	20	NY	New York	BLS	QRS
Dartmouth College	8	NH	Northern New England	BLS	QRS
Drexel University	13	PA	Pennsylvania	BLS	QRS
Duke University	12	NC	Southeast	BLS	QRS
Eastern Arizona College	2	AZ	Central	EDU	Education Only
Eckerd College	10	FL	Southeast	FR	QRS
Embry-Riddle Aeronautical University	11	FL	Southeast	BLS	QRS
Emory University	5	GA	Southeast	ILS	QRS
Florida Institute of Technology	1	FL	Southeast	BLS	Event Standby
Fordham University	20	NY	New York	BLS	Ambulance Transport
Georgetown University	14	DC	Mid Atlantic	BLS	Ambulance Transport
Gettysburg College	4	PA	Pennsylvania	BLS	QRS
Harvard University	65	MA	Massachusetts	BLS	Event Standby
Hobart and William Smith Colleges	9	NY	New York	BLS	QRS
Indiana University - Bloomington	3	IN	Midwest	BLS	QRS
John Carroll University	11	OH	Midwest	BLS	QRS
Johns Hopkins University	20	MD	Mid Atlantic	BLS	QRS
Lehigh University	8	PA	Pennsylvania	BLS	QRS
Loyola Marymount University	6	CA	West	BLS	QRS
Macalester College	9	MN	North Central	BLS	QRS
Massachusetts Institute of Technology	18	MA	Massachusetts	BLS	Ambulance Transport
Massachusetts Maritime Academy	2	MA	Massachusetts	BLS	Ambulance Transport
McGill University	24	ON	Canada	FR	QRS
McMaster University	32	ON	Canada	BLS	Non-Emergent Transport
Muhlenberg College	9	PA	Pennsylvania	BLS	QRS
Northeastern University	11	MA	Massachusetts	Startup	
Norwich University	9	VT	Northern New England	BLS	Non-Emergent Transport
Pennsylvania State University	4	PA	Pennsylvania	BLS	Ambulance Transport
Quinnipiac University	10	CT	Northeast	BLS	QRS
Rensselaer Polytechnic Institute	13	NY	New York	BLS	Ambulance Transport
Rice University	5	TX	Central	ILS	QRS
Rochester Institute of Technology	18	NY	New York	BLS	Ambulance Transport
Rowan University	10	NJ	Northeast	BLS	Ambulance Transport
Saint Anselm College	6	NH	Northern New England	BLS	QRS
Saint Joseph's University	1	PA	Pennsylvania	Startup	
Saint Michael's College	4	VT	Northern New England	ALS	Ambulance Transport
Santa Clara University	10	CA	West	BLS	QRS

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
Skidmore College	12	NY	New York	BLS	QRS
St. Lawrence University	6	NY	New York	BLS	QRS
<i>St. Olaf College</i>	4	MN	North Central	BLS	QRS
Standford University	1	CA	West	BLS	Event Standby
SUNY Canton	9	NY	New York	BLS	QRS
SUNY College at Cortland	10	NY	New York	BLS	QRS
SUNY Geneseo	4	NY	New York	BLS	QRS
SUNY Oneonta	11	NY	New York	BLS	QRS
SUNY Oswego	13	NY	New York	BLS	Ambulance Transport
Syracuse University	7	NY	New York	BLS	Ambulance Transport
Temple University	8	PA	Pennsylvania	BLS	QRS
Texas A&M University	12	TX	Central	ALS	Ambulance Transport
The George Washington University	30	DC	Mid Atlantic	BLS	Ambulance Transport
<i>The Ohio State University</i>	3	OH	Midwest	Startup	
The University of Texas at Dallas	8	TX	Central	BLS	QRS
Tufts University	14	MA	Massachusetts	BLS	Non-Emergent Transport
Tulane University	13	LA	Central	BLS	Ambulance Transport
Union College	1	NY	New York	BLS	QRS
University at Albany NY	20	NY	New York	BLS	Ambulance Transport
University of Arizona	6	AZ	Central	BLS	QRS
University of California-Los Angeles	7	CA	West	BLS	Ambulance Transport
<i>University of California-Riverside</i>	4	CA	West	BLS	QRS
University of Dayton	12	OH	Midwest	BLS	Ambulance Transport
University of Delaware	39	DE	Mid Atlantic	BLS	Ambulance Transport
University of Florida	6	FL	Southeast	BLS	QRS
University of Guelph	35	ON	Canada	BLS	QRS
University of Iowa	4	IA	North Central	EDU	Education
University of Massachusetts Amherst	30	MA	Massachusetts	BLS	Event Standby
University of Massachusetts Lowell	8	MA	Massachusetts	BLS	Non-Emergent Transport
<i>University of Michigan</i>	1	MI	Midwest	FR	Event Standby
University of New England	14	ME	Northern New England	BLS	QRS
University of New Hampshire	13	NH	Northern New England	ALS	Ambulance transport
University of New Haven	1	CT	Northeast	BLS	QRS
University of N Carolina at Chapel Hill	4	NC	Southeast	BLS	QRS
University of Pennsylvania	24	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	19	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	34	RI	Northeast	BLS	Ambulance Transport
University of Richmond	4	VA	Mid Atlantic	BLS	QRS
University of Rochester	10	NY	New York	BLS	QRS
University of Tampa	4	FL	Southeast	FR	QRS
University of Vermont	8	VT	Northern New England	ALS	Ambulance Transport
University of Windsor	3	ON	Canada	BLS	QRS
Utica College	5	NY	New York	BLS	QRS
Villanova University	13	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Military Institute	6	VA	Mid Atlantic	Startup	
Virginia Polytechnic Institute	15	VA	Mid Atlantic	ALS	Ambulance Transport
Washington University - St. Louis	8	MO	Central	BLS	QRS
Western Carolina University	6	NC	Southeast	BLS	Ambulance Transport
Western Illinois University	8	IL	North Central	BLS	Ambulance Transport
Worcester Polytechnic Institute	6	MA	Massachusetts	FR	QRS
Yale University	4	CT	Northeast	BLS	Event Standby

Italics: New Group Initiative

Bold: Milestone Anniversary

Conference Schedule - Sunday, February 26, 2023

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

America Foyer

8:00 am - 8:50 am *Workshop Session 10*

Recognition and Treatment of Overdose and Withdrawal

Essex North

Yeon Choi

National drug related deaths are on the rise and with substance use related calls becoming increasingly common, it is important for the prehospital provider to learn to recognize and treat the signs and symptoms of different drug overdoses. Collegiate EMS specifically may see high instances of drug and substance related emergencies and determining what substance the patient may have taken may be difficult due to fear of academic retaliation or poor bystander report. Furthermore, overdoses are life threatening, but we forget that withdrawals can be life threatening as well. We often do not discuss withdrawal in EMS settings, but certain substance withdrawals, such as alcohol, are dangerous and treatable. Overdose as well as withdrawal symptoms are recognizable and within the EMS scope and can be beneficial in framing reference for care. In this session, we will discuss symptomology of commonly abused drugs, as well as recognizing withdrawal symptoms and treatment strategies for both overdoses and withdrawal. *CE Code: 611B*

**Health Equity Barriers and Collegiate EMS:
Why Patients May Refuse**

Essex Center

Tatiana Snedeker

On a college campus, it's common for students to start feeling symptoms, but ignore them due to responsibilities such as classes or work. By the time students remember to get checked out, health services may not be open. This limits their options for affordable healthcare. That's where collegiate EMS programs come into play. Students are more likely to refuse transport due to cost if they don't fully understand the risks of refusing due to lower health literacy and numeracy. College students are one the most at-risk populations regarding concerns of health equity. As college communities consist of insanely diverse subpopulations. Social determinants of health based on public health frameworks are an important piece of addressing issues of health equity on college campuses. While limited numbers of solutions are in the scope of emergency medical providers, effective ways to address these barriers within the EMS scope of practice exist. Emphasizing the importance of tailoring these concepts to each unique campus community. This presentation will outline the components of health equity, and the effect that they may have on collegiate populations. Additionally, it will address how to appropriately and empathetically manage barriers to care within the frameworks of EMS and public health. *CE Code: 611C*

No ALS Available: BLS Management of Respiratory Emergencies *America North*

Ari Sanders, AEMT-Paramedic

For most collegiate EMS services, calls for conditions such as COPD and CHF are few and far between. We hope to have ALS available to back us up on those calls and provide more advanced care. This session will discuss how BLS can manage these patients and what to expect from ALS or the hospital. We will discuss Asthma, COPD, and CHF. We will cover the pathology, major concerns, BLS interventions, and ALS interventions. *CE Code: 611D*

**Beyond Emergency Response:
Expanding Your Impact Through EMS Research**

St. George

Anjali Misra, MPH

Public health is riddled with issues of equity and access. As first responders out in the local community, EMTs have unique insight into how factors such as socioeconomic disparities, race, and gender impact patient outcomes. Many collegiate EMTs are drawn to EMS for the opportunity to help patients during their moments of greatest need. While emergency care can transform the life of an individual patient, participating in EMS research is an opportunity to dramatically expand an EMT's impact, reaching up to millions of people at a time. By utilizing key EMS data sets such as the National Emergency Medical Services Information System (NEMSIS), the Cardiac Arrest Registry to Enhance Survival (CARES), and the ESO Data Collaborative, EMTs can analyze population-level issues that arguably impact patient outcomes even more than emergency care. This presentation will be led by Anjali Misra, MPH, an alum of MIT EMS and student at Harvard Medical School, who has conducted original research into the impact of social vulnerability on survival after cardiac arrest. Participants will learn about the power of EMS research to inform clinical guidelines and policy, leaving with a toolkit to design their own EMS research questions. *CE Code: 611E*

Engineering Hemostasis

America Center

Sarah Hargett, NREMT

When you have a patient bleeding out in front of you, time is of the essence. Even with recent advances in trauma medicine and hemostatic products, non-compressible and internal hemorrhage still presents significant challenges and opportunities for advancement in medical devices. This talk will take a deep dive into traumatic hemorrhage, how biomedical engineers are exploiting anatomy and physiology to achieve rapid bleeding control, and what this means for the future of prehospital hemorrhage management. *CE Code: 611F*

Conference Schedule - Sunday, February 26, 2023

EMTs Say What? Pre-Hospital Truth Telling and Otherwise

Essex South

Brandon Skwarto

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: 611G*

Advancing Culturally-Competent Care for Diverse, Older Populations

Staffordshire

Audrey Lam

The U.S. aging population is dramatically increasing on an unprecedented scale. By 2030, all baby boomers are projected to be over age 65. The older population is only growing more diverse and is twice more likely to use EMS services than younger adults. In this presentation, you will learn about the effects of aging on masked or atypical symptom presentation, understand how the intersections of ageism and racism impacts care, recognize how to deliver culturally-competent, age-friendly EMS care, and be empowered to enact local grassroots change to advance care for diverse, older adults. *CE Code: 611H*

Roundtable: Startup

Parliament

Joseph M. Grover, MD, FACEP, FAEMS, NCEMS Startup Coordinator

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learned at this year's conference and helping them determine the next steps in furthering their organizations as they prepare to return to their campuses. *CE Code: 611A*

9:00 am - 9:50 am Workshop Session 11

Uh Oh, Now What?!

Essex North

David Goroff, JD, MS, NRP

Mistakes happen. Errors occur. Big or small, these adverse events can make or break your agency. But whether medical or operational, what happens after an error-how you and your agency handle the aftermath-is often far more significant than the mistake itself. In this session, we will discuss how to respond to errors and adverse events at every level in a college EMS organization, with a focus on immediate risk and harm reduction, incident investigation, and remedial measures. *CE Code: 612A*

Leadership in Medicine: Bringing out the Best

Essex Center

Matthew Piechnik

Leadership in Medicine: Bringing out the Best is an exploratory lecture that delves into leadership theory and its application to the niche world of collegiate EMS. Nicholas Cage's infamous EMS film, Bringing out the Dead, showcases what poor healthcare leadership does for providers and their patients. In an adventurous spinoff, Bringing out the Best will explore prevailing leadership theories and real-world cases to model what the ideal medical leader looks like. We will discuss the challenges faced by EMTs in developing strong leadership skills during their collegiate career, and identify best practices to improve themselves, their colleagues, and their EMS program. Stories of medical miracles on the battlefield, influential policymakers, and healthcare blunders will ensure this lecture will entertain, excite, and invigorate you to become the best leader you can be - in collegiate EMS and beyond! *CE Code: 612B*

Cardiac Arrest: Familiar Protocols in an Unfamiliar Setting

America North

Lily Nong, NRP

Most of us have taken a Basic Life Support Cardiopulmonary Resuscitation (BLS CPR) course in order to receive our healthcare certifications. However, what happens when there are uncontrollable factors in our environment? What happens when a cardiac arrest patient is on an airplane? Lying on the ground outside in the pitch-black? This course will look at common barriers to performing effective team-based resuscitation, and explore ways to mitigate said barriers. This course will also cover what recent literature states on best practices for cardiopulmonary resuscitation. Come prepared to problem solve through common problems that will help any EMS provider! *CE Code: 612C*

It's Okay to Not be Okay, for a Little While

St. George

Mary Clare Woodson, MEng, NREMT

Depression, burnout, suicide...terms we hear too frequently, not just on 911 calls, but also within our own organizations. First responder and physician careers have some of the highest rates of depression and suicide and we must realize, how can we treat others when we aren't okay ourselves? Peer support programs operate with the motto, "it's okay to not be okay, for a little while" and the concept of confidential, free, on-demand support by someone who is trained AND "gets it" - a peer that has personally seen and felt the things that are weighing you down. These programs have been growing and have had significant success in those they can reach, but knowledge of this option for those in need is not widespread and access to programs is limited. In this session, you will learn about models of peer support, how new programs are being initiated, and how you can bring this life-saving concept back to your agencies. *CE Code: 612D*

Conference Schedule - Sunday, February 26, 2023

Anything Can Happen: Unpacking 10 Fascinating Publications *America Center* *Cassandra Crouse, BS, NRP, FP-C*

Psychostimulants at music festivals, fatal mushroom ingestions, tattoos and infective endocarditis...so much more. In this session, we will unpack ten interesting recent publications and discuss their relevance in the prehospital setting. This presentation will be interactive! There will be time for questions about the publications/research in addition to pre-med/application topics students wish to discuss. **CE Code: 612E**

What's Really Killing Patients? Impact of Social Determinants of Health. *Essex South*

Sean MacAllister

In this case-study series, we examine the impact of the five main factors that determine one's social determinants of health. We will consider how economic stability, education quality and access, healthcare quality and access, neighborhood environment, and social and community context influence health in patients. We examine how these factors lead patients to call 911 and how these factors determine the acute and/or exacerbated chronic symptoms EMS clinicians encounter every day. Learn how to look beyond the current set of symptoms and consider the factors that has led a patient to these symptoms. Examine five case-studies that introduce these topics and the impact social determinants of health have on their outcomes. **CE Code: 612F**

I See Said the Blind Man... Communication Conundrums & Barriers to Care *Staffordshire*

Nina Olds

Some providers would estimate that as high as 95% of EMS calls are mundane, simple, routine. Call repetition can lead providers to feel that every call runs in a set pattern, and that we can interact with patients the same way each time. But what happens when we encounter patients who are not run of the mill? How do we treat patients who can't communicate in ways we are used to? Patients may have hearing issues, vision issues, language barriers, special needs, etc.. How can we prioritize patient comfort while still doing a thorough assessment and ensuring they understand what is happening? Communication conundrums and obstacles can make us stumble through an assessment or feel lost with our patients. This talk will begin with a group interactive activity, discuss potential barriers in patient care, and review tips and tricks to conduct a thorough assessment when we encounter these barriers. Swing on by with a friend! **CE Code: 612G**

Roundtable: Emergency Management *Great Republic* *Eric Pohl, MS, NRP, NCEMSF Emergency Management Coordinator*

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: 612H**

Roundtable: Administrator/Advisor/Medical Director *Parliament* *Scott C. Savett, PhD, NCEMSF Vice President and Chief Technology Officer*

In this roundtable dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will continue discussing concerns of university officials and address issues that they may be facing on their campuses. Meet your fellow university administrators, advisors and medical directors in attendance. **CE Code: 612I**

The ABC's of MCI's: a Table Top Experience (Part 1 of 3) *Empire* *Gary Hecker, RN, CCRN, EMT-CC, CIC, NHDP-BC and Gary Saffer, MPA, NRP*

Responding to mass/multiple causality incidents (MCIs) provide complex challenges for the EMS responder. In this session the participant will learn the EMS application of the Incident Command System (ICS) during an MCI. Field triage will be reviewed and applied to a series of mock patients. This program will conclude with a table top exercise where principles learned will be applied. Participants will be given a tool box to bring back to their agencies to help with MCI training and planning. PARTICIPATION IS LIMITED TO 25. SIGN UP USING THE SKILLS LAB PROCESS. PARTICIPANTS ARE EXPECTED TO ATTEND ALL 3 HOURS. **CE Code: 612J**

10:00 am - 10:50 pm Workshop Session 12

Scene Safety, Leadership & Communication-It's All Connected *Essex North* *Daniel Maas, CEM, EMT-B*

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. Learn some techniques to improve scene safety and incident management and see the variety of unique hazards and situations that are found on college campuses. **CE Code: 613A**

Conference Schedule - Sunday, February 26, 2023

The New Officer's Guide

Essex Center

Ryan O'Reilly, BS

Collar brass, radio, unit identifier, white shirt, but no instruction manual. It's easy to stumble as a officer with all this newly founded authority. How do you juggle responsibilities, goals, problems, and adversity? Let's take a breath and break down what your role means, how to set yourself up for success, and most importantly, carry on when you've made a mistake. We'll get through this together. *CE Code: 613B*

CPAP, BiPAP and Ventilators for EMS and Beyond

America North

Trevor Thomas, PA-C

Pre-hospital application of continuous positive airway pressure (CPAP) and bi-level positive airway pressure (BiPAP) is a safe intervention that saves lives and avoids ICU admissions when used appropriately. Pre hospital use of ventilators is growing in popularity, but the added control comes with one very serious downside; potential for patient harm. This lecture will briefly review the basics of respiratory physiology and how it is affected by common disease states. More importantly we will talk about how we can apply CPAP, BiPAP and ventilators to address that physiology and halt the vicious cycle of respiratory failure. *CE Code: 613C*

Holding the Wall: Care for Patients in the ER

St. George

Kyle Kendall, AEMT, RN, BS

This program will discuss how to effectively paint a picture of your patient en route to the ER, planning ahead and planning caring for the patient between the ambulance and ER Room while holding the wall. Learn how to easily get the information for your report for IFT and discharged patients. Tips and tricks to keep the nurse's attention while ensuring a high quality and maintaining continuity of care. *CE Code: 613D*

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

America Center

Hendrik Bilek, BSN, RN, CFRN, C-NPT, 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. They may be little humans, but their traumatic injuries are no joke! *CE Code: 613E*

Healing The Healers: Acknowledging and Resolving the Dangers of Sexual Harassment in EMS

Essex South

M. Carl Flesher, MSIS

Every First Responder deserves to work in a comfortable and supportive environment that they can depend on to have their back when bad things happen. A hostile work environment makes a tough job unbearable. The following lecture confronts the reality of sexual harassment in the EMS workplace for both paid and volunteer environments. Through the conduction of a simulated trial, concepts of personal and legal accountability in sexual harassment claims from the perspective of the accused party with a focus on restorative justice outcomes. Topics addressed include the identification of personal and organizational predatory actions, how power and control dynamics can affect EMS agencies, short and long-term consequences of being targeted by sexual harassment, how to create a trauma-informed work spaces and encourage consensual social engagement, as well as resources and tools for EMS providers and agencies to utilize for bystander awareness and referral of care for persons affected by sexual harassment. *CE Code: 613F*

Best Practices When Treating a Patient with Autism

Staffordshire

Carrie Gibbons, MEd and Brody Gibbons

This presentation is like none you've experienced in the past. Patients with disabilities, specifically Autism, can be challenging given their unique and individual needs. During this presentation you will hear from 16-year-old Brody who is on the Autism Spectrum and his mother, Carrie. Hearing directly from Brody giving his firsthand experiences on what it looks, feels and sounds like for a person on the spectrum, affords you a new perspective and understanding of those individuals. Carrie will also give her first-hand knowledge and experience as a caregiver and how caregivers are your biggest ally. *CE Code: 613G*

Roundtable: Training

Great Republic

Zachary Matuzsan, DO, NCEMSF Education Programs Coordinator

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 curricula, train on-scene, and create a standardized training module. *CE Code: 613H*

Conference Schedule - Sunday, February 26, 2023

Roundtable: Engaging Your Alumni Network

Parliament

Joshua E. Glick, MD, FACEP, 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: 613I*

The ABC's of MCI's: a Table Top Experience (Part 2 of 3)

Empire

11:00 am - 11:50 am Workshop Session 13

Taking the Technician out of EMT

Essex North

Cole Matthews

Technicians are typically described as experts of a specific skill or technique. As EMTs and paramedics, we are not only required to be experts on the interventions we perform, but also the reasons behind why we are performing them. This session will focus on using good clinical judgement in the prehospital setting, challenging the misnomer emergency medical technician. *CE Code: 614A*

Telling Your Story, How to Get Things Done in a College Environment

Essex Center

Olivia SaoBento

Collegiate EMS agencies are always in need of funding, but how can they get it when money is always short? Clearly and convincingly telling your story is an effective way to get funding. Come learn the tenets of proposal writing, alternate sources of funding, and learn from other agencies about their lessons learned. *CE Code: 614B*

Too Hot, Too Cold, 2 Legit 2 Quit:

America North

Hyper and Hypothermic Emergencies

Benjamin Abo, DO, Paramedic, EMTT, FAWM

You want me to consider a body bag to TREAT someone? Absolutely. Are your protocols up to snuff to treat some of the hottest topics in EMS? Good intentions and out of date texts are not good enough when it comes to up to date proper care of thermal emergencies such as heat stroke, hypothermia, and beyond. We are going to dive into the best proper care of thermal emergencies, dispel misunderstandings, and show you how to not delay the definitive care. *CE Code: 614C*

Virtual Reality Approaches to Improve MCI Preparedness

St. George

Matthew Tovar, BS and Mairead Higgins, BS, NREMT

Appropriate medical response for mass casualty incidents (MCI) requires effective and realistic training. We recently performed a national survey on the readiness of Collegiate EMS providers to respond to several types of MCIs, including active shooters. It was found that although most participants reported high confidence in responding to active shooters, the amount of training in prehospital tactical trauma management was low, suggesting that some respondents may overestimate their abilities to respond to real-world MCIs. To address this, we studied the use of Live-Actor Virtual Reality (LAVR) simulation as a modality for MCI training. Although VR platforms have been shown to be engaging and immersive, the physiological response toward VR MCI training is unknown. To further investigate this, a LAVR MCI simulation was created and sympathetic responses were recorded in physicians and physician trainees. It was found that LAVR MCI simulation elicited a strong sympathetic response among all participants. Thus, LAVR MCI training has the potential to recreate the sympathetic drive associated with responding to an MCI and can therefore enhance disaster training in a reproducible and distributable manner. Further studies are needed to compare LAVR to current "gold standards" to determine optimal memory retention methods in MCI training. *CE Code: 614D*

Has this Patient Been a Victim of Strangulation?

America Center

Maria Tackett, MS, MSN, EdD, CEN, TCRN CCRN-k

This presentation will focus on strangulation with emphasis on the correlation of this injury to intimate partner violence. Of particular concern for EMS teams is that the victims of strangulation do not always present with physical signs of injury and often will not report the related intimate partner violence. The purpose of the presentation is to enhance information on strangulation, physical assessment signs and behavioral responses that will assist EMS teams to heighten their awareness of this type of injury. The presentation will review mechanisms of strangulation injury as well as the related topics of accidental strangulation and choking games. *CE Code: 614E*

After that Bad Call

Essex South

Jason Oberoi, MAOL, BSN, CEN, NRP

A case study in resiliency and recovery after a bad call that Virginia Tech Rescue had in January 2021. By using a combination of close follow up and mental health counseling, all members continued to run. *CE Code: 614F*

Conference Schedule - Sunday, February 26, 2023

The Time for a Renaissance is Now

Staffordshire

Jonathon Jenkins, BS, NRP, CADS, F-ABMDI

EMS is a dynamic, ever changing, and continuously evolving industry with nearly limitless potential for exceptional outcomes. But, the key word is "potential." Much like Europe between the fifth and fourteenth centuries, The Dark Ages of EMS are upon us. Global pandemics, staffing shortages, minimal support and funding, and widely varying approaches to educational methodologies and standards cause a level of cultural dysfunction we have never before experienced. Although the Dark Ages were a cataclysmic time in Europe, the Renaissance that followed became known as the "age of enlightenment," the results of which affected history for centuries to follow. It is time for EMS to follow suit and spark the Renaissance of prehospital care. Join me as we discuss EMS culture change and how we all can take part in improving our great industry for ourselves and generations to come. The time for a Renaissance is NOW! *CE Code: 614G*

Roundtable: Fundraising and Financing

Great Republic

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: 614H*

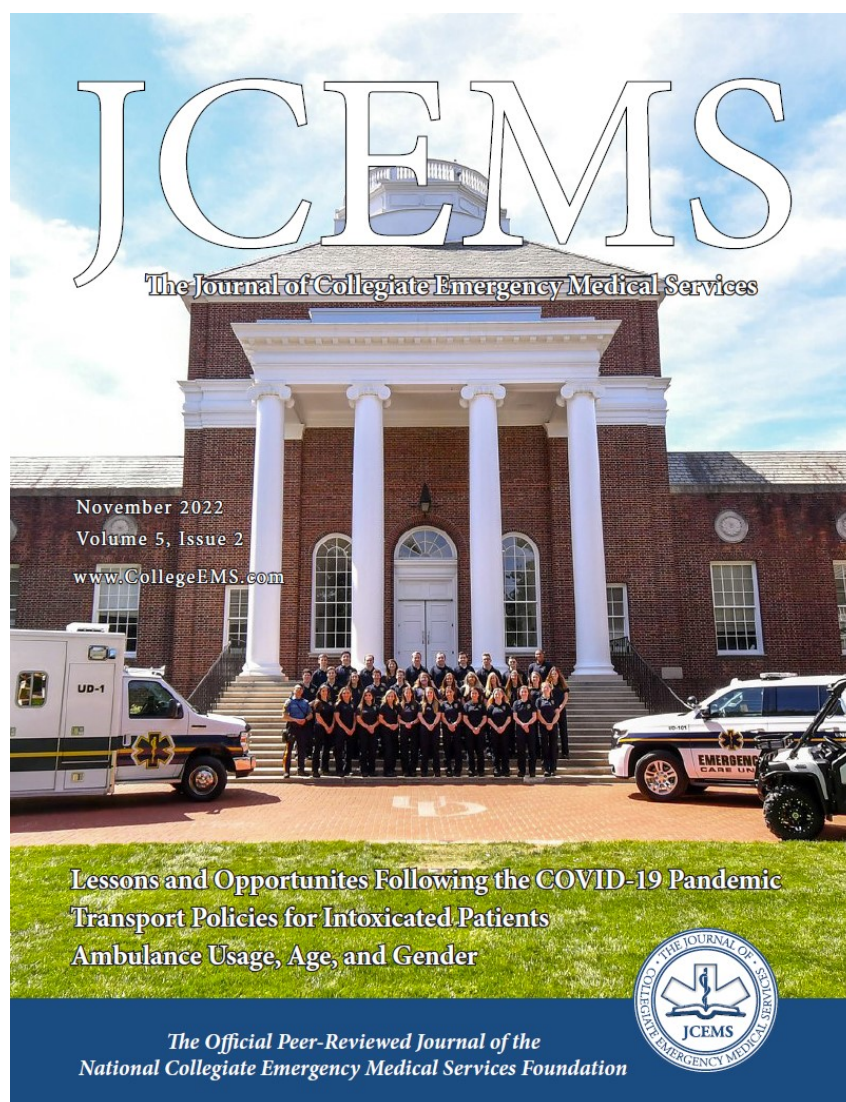
The ABC's of MCI's: a Table Top Experience (Part 3 of 3)

Empire

12:00 pm - 12:30 pm Conference Wrap-Up

America North

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 or 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 1am. 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 Westin is \$70/day (\$90 for oversized vehicles) - with no in/out privileges; other local/cheaper options exist). If walking, make sure to walk in groups and stay in well-lit areas.

The T (MBTA - www.mbta.com)

Boston's subway system, rates as the fastest way to scoot around. The T stops running at 1AM. Fares are \$2.40/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:

Westin Copley Place Hotel

(617) 262-9600

10 Huntington Ave, Boston, MA 02116

NCMSF

(877) NCMSF-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). There are plenty of options to fit any appetite and budget.

The hotel also has a restaurant - Bar 10 - that is open for breakfast, lunch and dinner, as well as a grab and go café - Ingredients!

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 NCEMSFers at Club NCEMSF, Casino and Glow Golf!



NEARBY DINING (from hotel website)

- **Earls Kitchen + Bar** - Prudential Center (0.2 miles) - American - 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.
- **Joe's on Newbury** (0.3 miles) - American - A calm and relaxing bar & grill offering a variety of American pub favorites.
- **Buttermilk & Bourbon** (0.3 miles) - American - Enjoy southern fare and New Orleans inspired dishes in a lively setting.
- **Atlantic Fish Company** (0.3 miles) - Seafood - Fresh seafood and an extensive wine list can be found in this established eatery.
- **DIG** (0.4 miles) - serves up local, fresh, seafood everyone will enjoy.
- **Summer Shack** (0.6 miles) - Seafood - a mellow eatery serving classic New England seafood with upbeat, beachy décor & a relaxed vibe.
- **Ostra** (0.7 miles) - Mediterranean - An upscale restaurant serving Mediterranean inspired seafood amid a classy atmosphere.
- **Saltie Girl** (1.1 miles) - Seafood - Seafood served in a multitude of ways in this chic raw bar.
- **Toro** (1.1 miles) - Spanish - offers creative tapas, crafted cocktails and a striking selection of Spanish wines.

THE SHOPS AT PRUDENTIAL CENTER

RESTAURANTS:

Anna's Taqueria
California Pizza Kitchen
CAVA
Clover Food Lab
Del Frisco's
Dig
Earls Kitchen + Bar
Eataly
Eddie V's Prime Seafood
Porto
Pressed Cafe
Shake Shack
Sweetgreen
The Cheesecake Factory
Wagamama Noodle Restaurant

KIOSKS/COFFEE/SNACKS:

Ben & Jerry's
Blue Bottle Coffee
Cold Stone Creamery
Dunkin' Donuts
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

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, Paramedic, EMTT, FAWM

Dr. Abo is an EMS and emergency physician and toxicologist currently practicing in Naples, Florida and is an assistant professor for Florida State University School of Medicine. He currently has a number of roles including Medical Director for Gainesville Fire Rescue, Naples Fire Rescue, Bonita Springs Fire, Iona McGregor Fire Rescue, Sanibel Fire Rescue, Captiva Fire Rescue, Pine Island Fire Department, Lake County Fire Rescue's Venom 2 Venomous Response Unit, Miami-Dade Fire Rescue's Venom One and USAR Florida Task Force 1. He also serves as medical director and CMO for Rescue Company 1 and the Florida Helo-Aquatics Rescue Team. He has experienced EMS and emergency medicine around the globe with a number of philanthropic ventures, consulting, and serving as medical director and lead medical consultant for a variety of television and movie productions including Shark Week, National Geographic, Shark Attack Files, and his own show, Kings of Pain. He continues to be extremely active in emergency and EMS. After 25 years with research, education, speaking engagements, consulting, national and international committees as well as active field response. A recipient of NCEMSF's EMS Provider of the Year for Heroism and Valor in addition to Touro University's Inaugural Alumni Lamplighter Award. Furthermore, he served as the Co-Founder and Pilot External in the Carolina Wilderness EMS Externship where he is now an active instructor. More recently, Dr. Abo co-founded the Asclepius Snakebite Foundation and serves as honorary medical director of the Surfers Medical Association and board member of the Reptile Preservation Institute.

Hendrik Bilek, BSN, RN, CFRN, PHRN

Hendrik is a registered nurse, certified pediatric trauma nurse, board certified national healthcare disaster professional, certified flight nurse with neonatal and pediatric transport certification and pre-hospital registered nurse in the Trauma Resuscitation Unit (TRU) of the R Adams Cowley Shock Trauma Center in Baltimore Maryland. This 10 bay resuscitation unit sees over 5,000 patients a year with an overall survival rate of 96%. Previously Hendrik was on the Emergency Critical Care Transport Team at The Children's Hospital of Philadelphia where he transported patients from all over the region and across the country by ground and air. Hendrik was also a team leader on the HERT team for the hospital which includes in-hospital emergencies and decontamination of incoming patients. Previously an ED nurse and trauma team leader at the children's hospital, Hendrik treated a wide variety of pediatric patients. He was also a EMS lieutenant and firefighter for the Tinicum Township Fire Company which responds to 3,000 fire/EMS 911 calls a year. Hendrik is an alumni of FEMA CDP's course on EMS operations in CBRNE incidents. Hendrik graduated from Drexel University with a bachelors degree in nursing with a minor in emergency management. While at Drexel he was a part of Drexel EMS where he served several positions including training Lt, captain, and chief. Hendrik has been involved in fire and EMS since 2010. He is a Connecticut native where his roots in fire and EMS started.

James Boomhower, Paramedic

James is a graduate of University of New England and was an active member of UNE Rescue. He is currently studying for a Master's Degree for advance his passion for Peer Support. He is a Flight Paramedic at Boston MedFlight.

Spencer Braunstein, NRP, UF CCP, FP-C

Spencer Braunstein is originally from Massachusetts, where he began his career in public safety. Spencer worked in EMS in the City of Cambridge and pursued higher education at Allegheny College for neuroscience. Spencer has spent time in each certification type (EMT, AEMT, NRP, FP-C). Spencer has worked for various public safety agencies over the last 5 years, and has held leadership and administrative capacities. Spencer currently works for Medical Rescue Team South Authority as a field medic and serves as the Pediatric Emergency Care Coordinator, and educator. Spencer sits on the Authority's Continuous Quality Improvement Committee as a clinical reviewer, and assists the development of research, pilot projects and new protocols.

Dan Bruce, NRP, FP-C

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 recently founded a nonprofit organization focusing on improving technology in EMS. Dan works full-time as a paramedic at Worcester EMS; outside the ambulance, he runs a residential construction company.

Koralia Burz, MS

From patient care to UX design - Kori has always been intrigued by the way people engage with each other and the world around them. Through her training and professional journey Kori discovered that meaningful and lasting change comes from willingness to experience life in all its complexities. In her talks Kori shows her participants how to utilize emotional intelligence for professional success.

Yeon Choi

(Lily) Yeon began in EMS as a sophomore in college, receiving her EMT-Basic while attending university at Texas A&M. She then received her paramedic license during her undergraduate education, where she began working for A&M's collegiate service as well as Robertson County EMS. She then served as Texas A&M EMS's Education Coordinator and was an FTO with Robertson County EMS. Wanting to pursue further education and involvement, she is now a 3rd year medical student at the University of the Incarnate Word School of Osteopathic Medicine and continues to work for Texas A&M EMS as an in-chargé paramedic.

Domenic Corey, MPH, FP-C, I/C

Domenic Corey is a Senior Lecturer in the BouvÃ© College of Health Sciences at Northeastern University. NCEMSF alum, Dom helped found NUEMS and created NU's EMT program. Dom's clinical experience ranges from urban and semi-rural 911 to SCT IFT, and he remains an active field provider in both settings. In his former role as Director of Operations at Brewster Ambulance Service, Dom helmed the organizational response through COVID-19, oversaw the operation of seven 911 municipalities and multiple major hospital systems performing a total of 250,000 transports annually (90,000 911). Dom believes successful leaders foster the growth of everyone around them- in the classroom and in the profession.

Cassandra Crouse, NRP, FP-C

Cassandra is a 2021 graduate from the University of Pittsburgh with a B.S. in Emergency Medicine/Pre-Med. She is currently working as a paramedic for UPMC Williamsport in rural, north-central Pennsylvania. She is also a certified flight paramedic. Cassandra is a part-time instructor at Penn College in their EMT/Paramedic certification programs. During her undergraduate, Cassandra attended the NCEMSF conference each year and represented Pitt on both the BLS and ALS competition teams. Cassandra has a special interest in rural medicine, critical care, and EMT/paramedic education. In July 2023, she will begin medical school at VCOM-Virginia.

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 an instructor for the University of Pittsburgh and Center for Emergency Medicine paramedic education programs.

Ben Daut, RN

Flight nurse currently working with DHART in New Hampshire, with a background in adult critical care, emergency, and wilderness medicine.

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

Presenter Bios

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 Crew Chief of the Pittsburgh EMS Training Division and offers private training, certification and consultation services. He also has been the Assistant Chief of Ingram Volunteer EMS for nearly 15 years.

Jamie Eastman, RN, NRP

Jamie is graduate of University of Vermont. While volunteering with UVM Rescue, he was a crew chief trainer and Training Officer. Currently he works as a Critical Care Transport Nurse-Paramedic at Boston MedFlight in Massachusetts. Additionally, he is a Nurse Officer in the US Army Reserve.

Sheila Elliott, MS, Paramedic

Sheila's journey into EMS began with one of her children who was born with a severe heart defect, requiring 5 open heart surgeries. Her son's medical condition led her into the world of EMS and EMS education in 2007. She has worked as a paramedic in the fire department, private EMS, hospital ER and in organ transplant. She has also had a passion for education as she began her career as an elementary music teacher upon graduating from Texas Tech in 1991. As the EMS Director for University Emergency Medical Response at The University of Texas at Dallas, Sheila oversees the management of the campus EMS organization which is in service 24/7 as an ALS response with 70+ volunteer EMS providers. In addition, Sheila is the Advanced Coordinator of the campus EMS Education program which has taught over 400 EMT and Advanced EMT students since its creation in 2020, during the height of COVID. The EMS program has a 95% first time pass rate on the NREMT exam and is also the preferred program for the area fire departments to send their employees to for their EMT certification. Sheila has been married to her husband, Jason, for 28 years and has three sons (Dillon 21, Ethan & Colby 18).

Arman Fardanesh, MS, MBA, NREMT

Arman Fardanesh has been a volunteer firefighter and emergency medical technician for over 18 years. He served as the Faculty Operations Advisor for the University of Delaware Emergency Care Unit (UDECU) while working for the University's Department of Environmental Health & Safety (EHS). Arman has served as Fire Chief of the Upper Saddle River, NJ Fire Department and EMS Chief of the Upper Saddle River Volunteer Ambulance Corps. Arman is the Senior Manager of Risk Management and Biological Safety Officer for the Pfizer Research & Development campus in Pearl River, NY. He is training center faculty with the American Heart Association's CPR/AED training center.

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 a BS in Marketing. He has been a firefighter, fire-captain, scout master, college professor. Carl is currently working as EMT instructor, OSHA Instructor, MOAB Instructor, Rape Crisis Counselor 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; Technical Advisor of the Massachusetts Institute of Technology Emergency Medical Services.

Adam Fox, DO, FACS

Dr. Adam D. 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 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

This year marks Eric's 35th year of Title IX work and his 20th NCEMSF conference as a returning speaker! In the areas of sexual assault, trauma-informed response, and student flourishing, Eric has devoted almost three decades to training EMS providers, police, firefighters, doctors, scientists, medical students, fraternities and sororities, and college athletic teams around the world - from Oxford, Mississippi, to Oxford University, and from the CDC to NASA. As an author and award-winning public speaker with international acclaim, Eric has also consulted at countless universities with NCEMSF membership, and we have invited Eric back this year to address sexual assault response and the stress that our members continue to face during this pandemic. Should your time with him leave you wanting more, please know that he loves communicating with our members. You can contact him via his website at www.ericmgarrison.com or approach him directly!

Brody Gibbons

Brody is a 16-year-old junior in high school. He has been diagnosed with autism and wants to share and train first responders about autism. He will give his firsthand experiences and perspectives on what it looks, feels, and sounds like, for him during an unexpected or emergency situation. These experiences cannot be explicitly described or given from those who are not autistic. Brody is currently training to become a firefighter. He attends vocational school and is taking fire science classes. He was recently accepted into the local fire department cadet program.

Carrie Gibbons, MEd

Carrie has been in the education field since 1998, carrying out her belief that education should be multifaceted. As a teacher, she built a partnership with parents to ensure her students unique needs were met. In her classroom, fair did not mean everyone got the same thing fair meant everyone got what they needed to be successful. After graduating EMT school, she realized the need for firsthand training, centered around special needs patients, specifically autism. Carrie, in conjunction with her autistic son, began working on developing training relevant and specific to first responders. She has a drive to advocate for patients, caregivers, and first responders in the disability world.

Thomas Goode, MS, NREMT

Tom Goode is a statistical analyst at the RAND Corporation and a Professor of Policy Analysis at the Pardee RAND Graduate School. His research on public safety, homeland security, and national security policies supports sponsors in the Department of Defense, Department of Homeland Security, and the Intelligence Community. While earning his bachelor's and master's degrees in statistics at Carnegie Mellon University, Tom conducted research at the intersection of statistics, prehospital medicine, and emergency medical operations in conjunction with the University of Pittsburgh and the City of Pittsburgh Bureau of EMS. Prior to that, he contributed to astrophysics research at the Kavli Institute for Astrophysics and Space Research at MIT. Currently, he supports academic prehospital care research as an author and as the statistical editor for the Journal of Collegiate EMS. Tom continues to work as an EMT in the greater Pittsburgh area and also volunteers with the regional wilderness search and rescue group and with Carnegie Mellon University Emergency Medical Service, where he served in a variety of leadership roles during his undergraduate and graduate studies.

Presenter Bios

David Goroff, JD, MS, NRP

David Goroff is a healthcare attorney, primarily providing regulatory advice to healthcare providers and corporate clients engaged in mergers and acquisitions. Prior to becoming an attorney, David was a paramedic in Lower Merion, Pennsylvania, and with New Castle County, Delaware. David also has experience as a state regulator, having worked for the Maryland Institute for Emergency Medical Services Systems. As an undergraduate at Skidmore College, David founded Skidmore College EMS, and served as the agency's first chief. David also has experience in the roles of safety officer, field training officer, and quality assurance officer. David currently serves on the Editorial Board of the Journal of Collegiate EMS.

Sarah Hargett

Sarah got started with EMS at Carnegie Mellon University. She was an active member of CMU EMS for four years, including as Training Officer. She is now a second-year Biomedical Engineering Ph.D. student at Texas A&M University where she researches biomaterials for use as hemostats and wound-healing treatments in prehospital trauma care. She continues to be involved in collegiate EMS as a member of Texas A&M University EMS.

Gary Hecker, RN, CCRN, EMT-CC, CIC, NHDP-BC

Clinician, Educator, Leader. Gary brings over 33 years of EMS experience to the table. An alumni 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 the injury prevention, Education and Outreach Coordinator at a major Level 1 Trauma Center in NYC. In his not so spare time, Gary is also a member of a Federal Disaster Medical Assistance Team (DMAT).

Mairead Higgins

Mairead Higgins is a Hudson Valley native, graduate of the Milken Institute at the George Washington University, and a collegiate EMS alumni. In 2018, she began volunteering at George Washington University's GW EMS (EMERG) as a nationally registered emergency medical technician, and ultimately accumulated over 1,500 of service before graduating in May of 2021. Her service as Crew Chief, Supervisor for Training, Field Training Officer and direct response to the January 6th Capital attack in Washington, DC helped her earn the GW EMS Mission Award, recognizing her commitment to the EMERG values of integrity and respect. As a public health student, she has a concentrated interest in expanding access to health education & services, serving as the inspiration for a senior capstone proposal of a community paramedicine model to address maternal morbidity & mortality. After receiving the Senior Seminar Award for unique problem solving skills in regard to her research, Mairead continues to practice patient-centered care in a DC emergency department and is currently applying to medical school, planning to pursue her interests in emergency & trauma medicine, health equity, public health crisis management, and injury prevention.

Jonathon Jenkins, NRP, CADS, F-ABMDI

Jonathon has been involved in EMS since 2009, and has been a Pennsylvania and Nationally Registered Paramedic since 2015. Jonathon earned a Bachelor of Science in Emergency Medicine from the University of Pittsburgh in 2016, and is currently enrolled in the Masters of Science in Emergency Medical Services Graduate Program, at Creighton University. Jonathon has been involved in various aspects of emergency medicine education, including American Heart Association CPR/First Aid training, Advanced Cardiac Life Support and Pediatric Advanced Life Support. In addition, Jonathon also serves as an instructor of various National Association of Emergency Medical Technicians and National Tactical Operators Association courses. Jonathon began his EMS career as a volunteer EMT in 2010. Jonathon has been affiliated with Mutual Aid Ambulance

Service, Inc., since 2012. Throughout his decade of service with Mutual Aid, Jonathon has held the ranks of EMT, Paramedic, EMS Education Manager, Quality Improvement Manager, and currently serves as the Education and Training Administrator. Jonathon is also a regional examination evaluator and board certified medicolegal death investigator. Jonathon was appointed as the Program Director of the Mutual Aid-Excela Health Paramedic Training Program in 2021, after serving as faculty member for many years prior. Jonathon strives to promote personal and professional growth and lifelong learning habits in all students of emergency medical care by delivering high quality, evidence supported, initial and continuing education to all levels of providers seeking to advance their knowledge base and skill set in the provision of emergency care.

Travis Jenkins

Travis Jenkins has worked in EMS for 12 years. He has worked as an EMT, Paramedic, and Critical Care Paramedic. Travis has worked inside hospitals on an Open-Heart Surgical Team as a Cardiac Anesthesia Assistant, as well as Training Coordinators for various EMS services across the nation. Travis has a strong educational background with a bachelor's degree in Emergency Medical Care with a Concentration in Fire Sciences. He has provided initial education as the primary instructor for both Paramedic and EMT programs, while also maintaining licensure as an EMS Program Director. At DocGo Travis works as National Manager of clinical education.

Jeffrey Kalczyński, DO

Dr. Kalczyński is an alumni of the University of Delaware's emergency care unit (UDECU). While an active member of your crew, he attained the rank of crew chief and served as the administrative Director. Graduating in 2016, he proceeded to attend medical school at the Philadelphia College of Osteopathic Medicine. While attending medical school he continued to remain active in emergency medical services and the emergency care unit as an alumni member and frequent lecturer. Graduating from medical school in 2021, he proceeded to complete his intern year in emergency medicine at the Naval Medical Center, San Diego. He is currently a PGY2 emergency medicine resident at the Morristown Medical Center in Morristown New Jersey. His career aspirations include an EMS fellowship, as well as serving his country as an emergency medicine physician in the United States Navy.

Kyle Kendall, AEMT, RN

Kyle has worked in EMS and public safety throughout Massachusetts over the past 10 years in many different roles such as a 911 dispatcher, EMT-Basic, BLS Supervisor, Compliance Officer, Training Officer, Advanced EMT and most recently as a Registered Nurse. Kyle has served in the US Air Force for nearly 11 years as a Firefighter/EMT with multiple TDYs and two overseas deployments. He is able to take his pre-hospital experience and in turn educate nurses providers and hospital staff on EMS protocols/ work flow and in turn is able to explain the mindset and priorities of in hospital care providers to the EMS community resulting in better communication and in the end a higher quality of patient care.

Audrey Lam

Audrey Lam recently graduated from the University of Southern California and earned a B.S. in Human Development in Aging from the Davis School of Gerontology. She served as the Associate Director for the Emergency Medical Services of USC and contributed as a member for almost 4 years. Audrey is passionate about improving equitable care for older populations. Her EMS and gerontology background led her to contribute to geriatric quality improvement efforts in Cedars-Sinai's ED.

Ebin Latrimurti

I live just outside of beautiful Steamboat Springs, CO where I am a father, Paramedic and the Founder of EMS Unlimited. The day after I graduated High School I boarded a plane for US Navy Boot Camp in Great Lakes, IL. I spent 8 years in the Navy as a shipboard Firefighter, also known as a Damage Controlman. I served onboard the USS Gettysburg in Mayport FL and as an

Presenter Bios

Instructor in Honolulu, HI. After an honorable discharge in Hawaii I followed the standard path - EMT to Paramedic and have worked in many different EMS settings since that time. While working in the Honolulu 911 system I began Critical Care Fixed Wing inter-island transports, which led me to an opportunity doing Helicopter Hoist Rescue in the Gulf of Mexico. I have functioned as a Paramedic in 3rd service, private, fire based and hospital based organizations. In 2012 I founded EMS Unlimited with one mission - to operate a company that puts my EMS peers at the forefront of everything we do, to offer rewarding and diverse workplace opportunities not available at local/regional EMS agency.

Ken Lavelle, MD

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

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

Dr. Benjamin Lawner is the medical director for the Maryland ExpressCare critical care transport program and the Baltimore City Fire Department. 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.

Tom Leith

Thomas Leith was a founding member of Harvard College's student EMS organization, CrimsonEMS; he is now a fourth year medical student at the University of Michigan and is applying to residency in Emergency Medicine. For the past two years, he has been a member of a University of Michigan-based research group focused on the development of unmanned aerial vehicles for use in prehospital medicine, and he has helped author multiple articles on the subject that are currently under peer review. His other research interests include improving communications and interactions between EMS and ED personnel, pediatric emergency medicine, and palliative care in the ED.

C Patrick Lombardi, RN

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 resuscitation team dynamics, crew resource management, and error mitigation remain areas of professional interest. C Lombardi currently works for the Dartmouth Hitchcock Advanced Response Team as a flight transport nurse.

Raymond Lovell, NREMT-P

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

Nicholas Ludwig, RN

Nicholas is graduate of University of Vermont school of nursing. He was an active member of UVM Rescue and graduated in 2015. He is currently a Flight RN with the DHART program.

Daniel Maas, CEM, EMT-B

Dan Maas is the Associate Director of the Cornell University Office of Emergency Management and serves as advisor of the Cornell University Emergency Medical Service, a student run, all volunteer BLS first response agency serving the Cornell campus in Ithaca, NY. Dan is a member of the New York State

Southern Tier Regional Incident Management Team and also works as Communications Branch Director with the New York Road Runners during major races such as the New York City Marathon. Dan has been involved in emergency services and response for over 40 years with extensive experience in EMS, fire, technical rescue, hazardous materials, and emergency management. Dan has been a volunteer firefighter-EMT for 34 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.

Sean MacAllister

Sean MacAllister is a second year MPH student at Boston University. While in undergrad, he fell in love with the field of EMS. Wanting to combine both the passion for research and EMS, he is now involved in EMS research while obtaining a degree in epidemiology and biostatistics.

Cole Matthews

Cole Matthews is an EMS clinician, educator, and leader with over half a decade of experience in the field. Starting in 2015, Cole volunteered as an ambulance driver in Vestal New York before obtaining his EMT through Broome Community College. Since then he has served as a field training officer, a clinical educator, and a Director of Operations in the Albany (New York) area.

John Mercun, MA

John Mercun has been involved in EMS for over 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.

Lucian Mirra, MEd, NRP

Lucian has been involved in EMS since obtaining his EMT in 2004 while still in high school. As a student leader at Christopher Newport University, he led an effort to increase AED coverage on campus, as well as serving 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 in education. He was subsequently hired as the University's first Emergency Management Coordinator. Returning to education, he is now the EMS Training Supervisor and Paramedic Program Director for Hanover Fire-EMS, a large combination department in Virginia in addition to being a doctoral student at UVA. He has published textbook chapters on mass gathering medicine, and has presented at numerous state and national conferences including EMS World Expo. He also is a life member of the Western Albemarle Rescue Squad and is an Event Medical Supervisor with UVA Health.

Anjali Misra, MPH

Anjali Misra, MPH is a third-year medical student at Harvard Medical School. She graduated from MIT in 2018 and was a four-year member of MIT EMS, a campus-based 24/7 BLS ambulance service. In addition to volunteering over 1,000 hours staffing the MIT ambulance, she served for two years as a HeartSafe Officer of MIT EMS, organizing 79 distinct CPR/First Aid courses for 1,500+ trainees. She was also a certified American Heart Association Training Center Faculty member, training new CPR instructors on campus. Anjali earned her Masters in Public Health as a George J. Mitchell Scholar at University College Cork in Ireland, where she completed a thesis in Advanced Epidemiology examining the relationship between neighborhood disadvantage and survival after out-of-hospital cardiac arrest. She is currently continuing her research on the impact of social vulnerability on cardiac arrest outcomes under the supervision of Rebecca Cash, PhD, at MGH.

Presenter Bios

Biology and a minor in Music from Muhlenberg College in Allentown, PA. He completed Graduate Coursework in Biomedical Sciences from the Philadelphia College of Osteopathic Medicine. He has received a Master of Science in Health Science Degree from the George Washington University in Washington, D.C. concentrating in EMS Leadership. He is a Six Sigma Black Belt and a Fellow of the American College of Paramedic Executives.

Graham Prather, MS, WEMT

Graham Prather is the current education manager for NOLS Wilderness Medicine and a senior faculty member leading trainings primarily at the Wilderness EMT and Wilderness First Responder levels around the world since 2015. His prehospital care experience includes working full time on a 911 dispatched ALS unit, as a firefighter, and a ski patroller in the White Mountains of New Hampshire, working as a wildland firefighter for the U.S. Forest Service in California for several seasons. Additionally, he has navigated all the bumps, bruises, blisters, and broken things that come with two decades working in classrooms, outdoor education, and as a whitewater raft guide. He holds a Master of Science in experiential education from Minnesota State University, Mankato, and is currently working towards a second Masters degree in mental health counseling at Naropa University. He now resides in Boulder, Colorado.

Gary Saffer, MPA, NRP

Gary retired after working for Boston EMS for almost 35 years. During that time he served in a wide variety of field, communications, supervisory, and administrative positions. He has a Bachelor's degree in Sociology, a Master of Public Administration, and has been a Nationally Registered Paramedic since 1990 and was an EMT for several years prior.

Aisling Sammon, RN, Paramedic

Aisling is a Graduate of St. Michael's College and was an active member on St Mikes Rescue Squad. She is currently a probationary Flight RN/Paramedic at Boston MedFlight.

Ari Sanders, AEMT-Paramedic

Ari is the current Training Director and former Deputy Chief at RIT Ambulance. He works fulltime as a Paramedic FTO at Twin City Ambulance. Ari has nearly a decade of EMS experience, beginning in Israel in 2013, and has spent most of the time since with both RITA and TCA. In his spare time (not that there's much of it) he develops EMS web applications.

Andrew Shanes

Andrew Shanes is a medical student at the University of New England College of Osteopathic Medicine (DO '24). Prior to medical school, Andrew obtained his undergraduate degree from the University of Virginia where he studied Kinesiology and worked in the Sports Medicine Department as a student athletic trainer. He has been a member of his hometown EMS agency since high school, holding prior officer positions including First Lieutenant and Deputy Chief and currently sits on the training committee where he trains newer EMTs and teaches CPR, First Aid and Stop the Bleed. He has been involved in addiction medicine research, contributing to one of the first published papers on Naloxone re-dosing in the prehospital setting and most recently studied the impact of resource allocation on opioid related fatalities in the State of Vermont. Andrew currently co-leads the Student and Young Professional Special Interest Group for the World Association for Disaster and Emergency Medicine.

Ilana Shecter, 2 LT US Army

Ilana Shecter is a medical student at the University of New England College of Osteopathic Medicine (DO '24) and a US Army Health Professions Scholarship recipient. Ilana graduated with a Bachelor of Science in Biochemistry and Molecular Biology from the University of Massachusetts Amherst. She was an active member of the UMass community where she served as a Resident Assistant, Organic Chemistry Teaching Assistant, and held the position of Executive Director of the campus' EMS Agency. In the Fall 2017 semester, UMass Amherst experienced a Meningitis-B outbreak that served as Ilana's first exposure to organized disaster response. Over time Ilana has explored this

interest in disaster medicine further, and currently serves as the World Association for Disaster and Emergency Medicine's Student and Young Professional Special Group co-lead. Ilana is dedicated to pursuing a career in medicine where she will serve in roles that support disaster preparedness and response.

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

Rich is the founder, owner, and director of Code One Training Solutions, a national American Heart Association Training Center which prides itself in the delivery of high-quality lifesaving training to over 20,000 clients annually with 22 locations. Code One's BEACON program provides COVID-19 responsible training and credentialing for healthcare providers in CPR/BLS, ACLS, and PALS. Rich is a graduate of the University of Connecticut School of Nursing with experience as an emergency department nurse and first responder. He was named a "40 Under 40" recipient by the Citizen CPR Foundation for his contributions as a member of the HEARTSAFE Program Advisory Committee and hands-only CPR training initiatives.

J. Dominic Singh, NRP, I/C

Dominic has been engaged in EMS for 25 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. His career started as a collegiate EMT with the College of the Holy Cross. He continues to be active in EMS event management, training, and field response with a focus on mentorship and provider development.

Brandon Skwarto

Brandon has been working in EMS for the past 5.5 years. He first worked for a private ambulance company in the southeast coast of Massachusetts before working as an EMS consultant for a community paramedicine program in Boston. He attended the University of Massachusetts where he spent his senior year serving as the Director of Training for UMass Amherst EMS before graduating with degrees in Biology and Applied Mathematics and Statistics. Following graduation, he worked as a emergency department tech at a level 1 trauma center in Springfield, MA and on the road for a town in central Massachusetts. Currently he is a first year medical student at the University of New England.

Patrick Smith

Patrick Smith has more than 12 years of experience in emergency medicine at health care institutions in New York City. From that expertise and perspective, Patrick assisted with the structure and launch of DocGo's telehealth and mobile urgent care visit platform, DocGo OnDemand. Patrick oversees the national operations and implementation of On-Demand ensuring quality of care and optimizing the patient experience for the company's telehealth and mobile urgent care services. From 2009 to 2022, Patrick advanced as an EMS clinician at Northwell Health.

Tatiana Snedeker

In August of 2022, I received my B.S. in Health Studies from the University of Rhode Island, where I also took part in URI EMS. As a member of the URI EMS Corps for 4 years, I put in over 1800 patient care hours as an EMT, driver, and junior supervising officer (corporal). Within my responsibilities as a senior member and supervisor, I oversaw shifts, and crews as well as trained incoming recruits, EMTs, and drivers. Currently, I am a first-year Master of Public Health in epidemiology candidate at George Washington University with a focus on clinical epidemiology coursework. In the future, I hope to work in ED/EMS-related outcome-based epidemiology. Alongside my academic program, I am a member of the GW Urban Health Program as a volunteer for DCPS Healthy Teen Scholars. Within this program, I design, run and participate in public and clinical health-related teach-ins for pre-medical science magnet programs in underserved Washington, DC high schools. This provides an extra level of knowledge on health equity including topics in health numeracy, literacy, access, and affordability within the scope of EMS and public health.

Presenter Bios

Clary Mole, MSEM, NRP

Clary Mole worked as a paramedic and EMS educator in South Carolina and Georgia before joining the NHTSA Office of EMS team in 2020. During a decade with Grady Health System EMS in Atlanta, Clary served in several roles, including chief training officer, program director for Grady's EMS Education Academy, and director of the division of education and staff development. He also received his master's in emergency management from Jacksonville State University. In the Office of EMS, Clary works on several projects and supports the National EMS Advisory Council and Federal Interagency Committee on EMS.

Brandon Murphy

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

Lily Nong, NRP

Lily Nong is a recent alumni of the University of Pittsburgh, graduating with a Bachelor's of Science in Emergency Medicine. They have been working in EMS for five years, spending the last year as a paramedic in the suburbs of Pittsburgh. Lily also works in EMS research, studying the occupational health of EMS providers in addition to working as a patient care technician at UPMC Children's Hospital of Pittsburgh. In their free time, Lily enjoys playing ultimate frisbee and music.

Jennifer Nunes, PA-C, MPH

Jennifer Nunes began her experience in EMS at the University of Rhode Island in 2012, progressing from a volunteer first responder to EMT-Basic then RI EMT-Cardiac. Her experience includes campus EMS, volunteer town ambulance service, RI Medical Reserve Corps, and private EMS in the metro Boston area. Jennifer went on to graduate from Tufts University School of Medicine in 2019 in the program's first dual Physician Assistant/Master of Public Health cohort. She currently works as a PA with the Street Team at Boston Healthcare for the Homeless Program, providing care for people experiencing homelessness. Her areas of interest and clinical focus include addiction medicine, women's health, and infectious disease.

Ryan O'Reilly

Ryan O'Reilly is a 2021 graduate of SUNY Oneonta who majored in Adolescent Spanish Education. Previously served with the Oneonta State Emergency squad as Squad Captain. During Ryan's time at Oneonta, he built strong relationships with University Police, Oneonta Fire Department, and the local hospital, AO Fox. Ryan was in the communications center coordinating EMS response to the 2020 active threat on campus. He was also deployed for EMS response during the raid and arrest of an armed individual on campus. Ryan sat on varying committees from student to administrative level providing insight to emergency service involvement. He worked closely with the emergency manager to enhance system response to situations that arose. Ryan also taught as an adjunct instructor at the police academy. Ryan is First Assistant Chief of EMCA overseeing; QA/QI, New EMT Training, Special Operations, MCI Planning, Systems Management, Membership, and Staffing. He is fluent in EMS operations and management of resources. Ryan also works for a large NYC based hospital system working along side other healthcare providers completing critical care transports, 911 emergency response, and event standby. He is currently working toward his paramedic certification expected January of 2023. He is certified in ACLS, PALS, PHTLS, AHA Instructor, SAFE Talk, ICS 26,27,100,200,700,800, NYS Emergency Management and serves on the Suffolk County USAR team, and Suffolk County Ambulance Chiefs Association.

Jason Oberoi, MAOL, BSN, CEN, NRP

Life Member at Virginia Tech Rescue Squad as a Paramedic. Currently works as an Emergency Room Nurse.

Nina Olds

Nina began her EMS career at age 16 in her hometown on the community's first aid and rescue squad. She has since been an EMT-Basic for six years certified at the National level as well as in New Jersey and Massachusetts. Since she began, she has worked on several different 911 agencies in multiple settings including rural, suburban, and urban. She has experience working at the basic-basic level and the paramedic-basic level. She is an alumnus of the collegiate EMS agency where she obtained her degree, UMass Amherst. Nina joined UMass EMS, or UMEMS, when she was a freshman and remained a member for the rest of my four years at the university. She served in multiple leadership roles, including as Director of Finance and subsequently Executive Director, while in the agency. She also gained certification as an AHA and ECSI CPR instructor while at UMass. In 2022, Nina graduated with a B.S. in Biochemistry and Molecular Biology and two minors: one in psychology and one in history. She currently works in research and as an EMT-Basic with a 911 agency in central Massachusetts.

Cecilio Padron, MD

Cecilio Padron is a current EMS Fellow Physician with the UNC-Chapel Hill Department of Emergency Medicine and Assistant Medical Director for Orange County (NC) Emergency Services. His current focus is training and development of mass casualty event and disaster medicine. He previously completed Emergency Medicine specialty training including a year as a Chief Resident Physician at USF/HCA Brandon Regional Hospital outside of Tampa, FL. Prior to medical training, Dr. Padron served as an Emergency Physician Assistant in critical access hospitals on Native American reservations in Arizona and South Dakota; evaluating, treating, and coordinating transport to tertiary care centers.

Joseph Palfini, RN, BSN

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 Airlife, 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.

Matthew Piechnik

Matthew Piechnik is a 3rd year medical student at Thomas Jefferson University, Ensign and HPSP scholar in the US Navy, and a medical instructor for BLS, ACLS, and AWLS. He serves on the Admissions Committee at Sidney Kimmel Medical College and is an executive board member of the Jefferson Emergency Medicine Society and the Wilderness and Disaster Medicine Society. He is a FAWM candidate, Eagle Scout and former training director of his collegiate ambulance. He has a substantial interest in leadership in medicine, particularly as it relates to education and policy development. As a student representative, he currently sits on several task forces addressing QI goals for the Jefferson health system. His leadership style is modeled after the theories of servant leadership with an emphasis on motivational intervention.

Les Polk, MS, NRP, FACPE

Les Polk has worked in EMS for 19 years. He has served as an EMT, Paramedic, and leader in EMS organizations in NY, NJ, and PA. He has also served as a Regional Coordinator and a Director-At-Large of the NCEMSF and was a Council Member of the Pennsylvania Emergency Health Services Council. He currently serves as National Director of Clinical Excellence for DocGo and Ambulnz by DocGo. He has received an Associates in Applied Science Degree from Union County College in Plainfield, NJ and completed his paramedic education at the Freda and Robert N. Brown Paramedic Program with clinical sponsorship from RWJBH. He has received a Bachelor of Science degree in Natural Science with a concentration in

Presenter Bios

Delia Sosa, MS

Delia Sosa (they/them) is a first year medical student at the University of Cincinnati College of Medicine. A graduate of the University of Chicago and a former Co-Chief of the University of Chicago Emergency Medical Services (UCEMS), Delia attended NCEMSF as a college junior and was able to bring leadership skills and new initiatives back to their unit. Now, having completed the MBS program at Tufts University School of Medicine and pursuing a career in gender-affirming care and medical education, they hope to give back to NCEMSF for the benefit of current and future EMS squads and first responders.

Maria Tackett, MS, MSN, EdD, CEN, TCRN CCRN

Presently, Nurse Consultant in Emergency Preparedness and Response for the CT DPH. Has held staff and leadership roles in the emergency department and neuro-trauma units. She served 20 years with the 405th Combat Support Hospital U.S. Army Reserves. In 2007-08, she was deployed to Iraq where she was the nursing officer in charge of the emergency room. She has trained hundreds of medics and military nurses as well as civilian nurses in trauma care. She is an adjunct faculty at the University of Connecticut School of Nursing.

Trevor Thomas, PA-C

Trevor is currently a Critical Care Physician Assistant at ChristianaCare health system in Delaware, working on a rotating basis between a large academic medical ICU and two smaller community ICUs. Prior to becoming a PA, Trevor attended the University of Delaware where he graduated in 2018 with a degree in medical diagnostics. During college he was an active (obsessive) EMT for local fire departments and the University of Delaware Emergency Care Unit. Immediately after college he attended Arcadia University's physician assistant program in Delaware, where he graduated in 2020.

Matthew Tovar

Matthew A. Tovar is a Navy Officer, Medical Student, and Scholar of Disaster Medicine at the George Washington University School of Medicine and Health Sciences. He is interested in pursuing a career in Emergency Medicine with specific focuses on disaster preparedness and response, operational medical support, adult and pediatric combat trauma, and crisis leadership. By trade, he is a certified Emergency Medical Technician cross-trained in Tactical Combat Casualty Care with hundreds of hours of prehospital emergency medical experience under his belt. He has also worked in both community hospitals and level II trauma centers prior to medical school. He graduated summa cum laude with a Bachelors Degree in Biochemistry in May of 2019 and has been awarded both the Piscopo Rodgers Fellowship and the METEOR research fellowship to support his scholarly interests. Currently, these interests include utilizing meta-analytical data to drive disaster preparedness and using mixed reality technology to optimize mass casualty resuscitation training for medical students, residents, and prehospital medical providers. Outside of medicine, my interests include athletic training, music performance, and spending time with loved ones.

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 47 years his experience includes assuring patients are care for properly at the local, regional, national, and international levels. He has been recognized for his expertise and excellence in prehospital and emergency care by numerous organizations, agencies, and governments across the USA 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. Bob and his wife have two adult children, and two grandchildren who give them massive bragging rights on a daily basis!

Terence Whalen, MICP, NRP

Terry is an EMS professional with more than a decade of serving the community in both BLS and ALS roles, as well as prehospital education and administration. Terry has served as

a Paramedic Clinical Educator for one of New Jersey's premier paramedic programs, as well as the Clinical Coordinator for one of the country's largest hospital-based EMS systems. Presently, he is National Manager of clinical education at DocGo, a nationally recognized leader in last-mile mobile medical solutions.

Nicholas Witczak

Nicholas Witczak, is a graduate of the University of New Haven with a bachelors degree in fire science administration. He was a founding member of the University's EMS Service. In his full time career he is an insurance investigator and adjuster for Custard Insurance Adjusters, working on behalf of the worlds largest transportation and shipping companies. Chief Witczak also works part time as a career airport firefighter/EMT at Morristown Municipal Airport. He is a Past Chief and 15 year honorary member of the Brookside Engine Company in the Mendham Township Fire Department, Past Captain of the Morristown Ambulance Squad and currently serves as an EMT and administrative officer for data, charting QA and communications for the Mendham Township First Aid Squad as well as achieved life membership within the squad. In addition to fire and ems leadership roles, Chief Witczak served previously as the Emergency Management Coordinator for the Borough of Mendham NJ for 4 years, is a Past President of the Morris County Alliance of Active Fire Chiefs and worked part time as an EMT and EMS supervisor for multiple EMS agencies during his career. He is enthusiastic about leadership, management, communications and emergency operations. Chief Witczak has presented in the past at the NCEMSF Conferences in 2017 and 2018. Chief Witczak has been involved in public safety for over 15 years.

Mary Clare Woodson, MEng, NREMT

Mary Clare is a third-year medical student at Carle Illinois College of Medicine and works as a FF/EMT for the Savoy Fire Department. She attended Rensselaer Polytechnic Institute (RPI), graduating in 2019 with a B.S. in Biomedical Engineering & minor in Cognitive Science, and in 2020 with a M.Eng. in Biomedical Engineering. During her 5 years at RPI, she volunteered with RPI Ambulance and served in a number of roles over the years, including Vice President, President, Training Committee Chair, and Driver Trainer. She is still involved in an advisory role. Now in Illinois, she is a Peer Supporter for the Illinois Firefighter Peer Support Team, Vice President of the Emergency Medicine Interest Group, Stop the Bleed Instructor, and teaches many first aid and fire safety classes to children, medical students, and adults. She is working on research in medical education, peer support programs, wilderness medicine, and firefighter safety, as well as pursuing innovation for the treatment of multiple sclerosis.

John Wooten, MD

John Wooten, MD, is an EMS fellow at the University of North Carolina Chapel Hill. He started his career in EMS as an EMT with the Mexican Red Cross in Guanajuato, Mexico. He returned to the US and worked as a paramedic for Orange County Emergency Services in NC and then as a critical care paramedic for Vidant EastCare. He attended East Carolina University for medical school and returned to UNC for his emergency medicine residency. He is passionate about EMS education and advancing pre-hospital care and is always happy to mentor EMS professionals navigating a career in medicine.

Hashim Zaidi, MD

Dr. Hashim Q. Zaidi is a Houston native who grew up in Katy and did undergraduate at Rice University and medical school at Baylor College of Medicine. He then continued his training and completed residency in Emergency Medicine at Northwestern University in Chicago followed by a combined EMS and Tactical Medicine Fellowship from the University of Chicago. He is board certified in Emergency Medicine and EMS. He is an advocate for improved prehospital education, research, and physician involvement.

Meghann Zapcic-Desrochers, MD

Meghann is a current PGY-3 Resident at UMass Baystate Chan in Springfield, MA. She completed medical school at the Lewis

Presenter Bios

Katz School of Medicine at Temple University in 2020 and will be the 2023 Brown EMS Fellow after completing residency in June. She previously served at the Director of Operations for UMass EMS. Her interests and research have focused on education for pre-hospital providers as well as community members from Stop the Bleed and CPR training to mass casualty incident preparedness.

Matthew Zoda

Matthew Zoda has been in volunteer in EMS for over 10 years. During his time in collegiate EMS, Matthew held numerous leadership roles, rising to Chief of Operations for Five Quad Volunteer Ambulance Service at UAlbany. Matthew currently serves as the Assistant Chief for Nanuet EMS in New York and is an American Heart Association CPR Instructor. Matthew is currently employed as an Operations Manager in Risk Management. Prior to his Risk Management role, Matthew worked for the United States Department of Justice Federal Bureau of Investigation and served on the New York Field Office Operational Medicine Team.

Richard W. Vomacka Student Speakers Bios

Ali Ebada

Ali attends Emory as a fourth-year; he'll begin medical school in Fall 2023. He began his EMS tenure with a private ambulance company in Omaha, NE, joining Emory EMS in 2021. His wide range of experience with underserved patients as an EMT, both in rural and metro areas has motivated his goal to become an emergency medicine physician. His investment in mental health research stems from his passion to advocate for those suffering in silence. Ali has pushed for streamlined mental health resources as a university legislator and alumni board president. As an undergraduate researcher, Ali has first-authored a manuscript.

Eric Grin

Eric is a senior at Tufts University majoring in biochemistry and Russian. As a member of Tufts EMS, he served as the agency's 2021 Director of Education and 2022 Executive Director. In addition to working as an EMT for both Tufts EMS and Armstrong Ambulance Service, Eric enjoys working as a Resident Assistant, tutor, Teaching Assistant, and is engaged in biochemistry research. Outside of school Eric loves to read, spend time outdoors, and has a passion for scuba diving and the ocean.

Lillian Hohag

Lillian Hohag is a senior journalism and bioethics student at Fordham University. Hohag has been involved in Fordham University EMS (FUEMS) since September 2019. Since then, she has become the fourth-ranking member in the organization with becoming a crew chief and an officer. In the officer role, she has facilitated helping 100+ members of FUEMS with anything from apparel to CPR training. Hohag is originally from Minnesota and enjoys animals.

Delaney Kenyon

Delaney Kenyon started with a SAR team. Senior year of high school, they took an EMT-B course and fell deeply in love with EMS. In college, she continued working with the student-run EMS corps on campus, CCEMS. She then took the 20-21 school year off to work full-time as an EMT-IV/EKG, Rope Rescue Technician, and Wildland Firefighter. In Fall 2021, they returned to school and started work as Director of CCEMS and Teaching Assistant for the campus EMT class. Delaney is incredibly passionate about EMS and making it as inclusive as possible - everyone deserves to feel comfortable calling 911.

Richard Lee

Richard is a senior at Emory; he has been a part of Emory EMS since starting college. Richard has since taken up a leadership role as an AEMT Field Training Officer, gaining the opportunity to combine his passion for delivering high-quality emergency

medical treatment with his love for mentorship. Outside of EMS, Richard is interested in healthcare accessibility, advocacy, and mental health awareness. Beyond his clinical experience as an AEMT, he assists Grady physicians in providing free patient care to low-income communities at a safety net hospital in the Atlanta area. At Emory, Richard is a Goldwater-nominated, published undergraduate researcher.

Sabrina Liu

Sabrina is a junior at MIT studying Biological Engineering. She is a licensed EMT-B and AHA-Certified CPR Instructor working with MIT EMS. She previously served as a Scheduling Officer and is currently a HeartSafe Officer, working to provide CPR/AED/First Aid education to the MIT and Cambridge/Boston community. She has personally taught and certified around 250 individuals in CPR and organized CPR training for over 350 individuals. She is also a Stop the Bleed instructor, where she has taught life-saving skills to MIT faculty and high-school students. Fun fact: she has tasted the Dead Sea.

Julia Perugini

Julia Perugini is a senior at Tufts University studying biology and international relations. She has been an EMT for three years, and has worked on both collegiate and outside EMS organizations. She served as the Community Relations Officer of Tufts EMS in 2021, and the Director of Quality Assurance and Training in 2022. She is also a captain and the Student Athlete Advisory Committee representative for the Tufts Women's Track and Field team. She has studied health equity, transplant, and shared decision-making in the REACH Lab for the past two years.

Mark Salazar

Mark currently is the Training Lieutenant for the University Emergency Medical Response (UEMR) agency at the University of Texas at Dallas. In this role, his job is to set the curriculum and oversee the training for all of their new providers in each cycle. Since he started this role in January 2021, he has looked for new ways to streamline the training for onboarding new providers. Thanks to his prior experience working in EMS on an ambulance, he had the opportunity to learn different methodologies to train new providers. Mark quickly learned that training is tailored to the structure of the EMS agency, and has used that philosophy to structure the training for UEMR.

Sarah Sullivan

Sarah Sullivan is a Spanish and Sociology student at Fordham University, as well as the Captain and Training Coordinator for Fordham University EMS (FUEMS). Originally from North Carolina, Sarah got her start in EMS in 2019, and has since gone on to obtain her NREMT, TECC and BLS Instruction certifications, along with her state licenses. Sarah enjoys teaching her trainees, and she has implemented multiple novel training initiatives for FUEMS during her time as Training Coordinator. When not in class or working in the field, Sarah loves to paint, read murder mysteries, and spend time with her dog.

Roanna Zou

Roanna is a senior at Harvard College studying Medical Anthropology and Global Health Policy. She is an AHA-Certified CPR Instructor and a licensed EMT-B in Harvard's CrimsonEMS campus EMT service. She previously served as Community Outreach Officer and currently oversees CrimsonEMS's CPR/First Aid training program, which serves the Harvard, Cambridge, and Boston community. Altogether, the CPR/First Aid training program processed requests totaling approximately 300 individuals in the past year. Roanna is also a Stop the Bleed instructor, where she has taught life-saving skills to Harvard faculty and high-school students. Fun fact: she sleeps with her eyes open.

NCMSF Leadership Bios

NCMSF EXECUTIVE BOARD

George J. Koenig, Jr., DO, FACS

George Koenig, NCMSF President, 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 Associate Medical Director of JeffSTAT and the Trauma Program Medical Director at TJUH as well as the Medical Co-Director of the Center for Operational Resource Efficiency (CORE) and the Transfer Center. 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 NCMSF 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, NCMSF 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 from Clemson. Scott is a senior software analyst for Thermo Fisher Scientific, implementing Laboratory Information Management Systems (LIMS) for pharmaceutical, environmental, clinical, and biotech laboratories. He served as Chair of the Board of Directors of Whitemarsh Ambulance, a 4,000 call-per-year ALS squad in the Philadelphia suburbs from 2018 to 2021. He is a per diem event EMT for Lehigh Valley Health Network at the PPL Center in Allentown, Pennsylvania.

Joshua A. Marks, MD, FACS, FCCM

Joshua Marks, NCMSF 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 and Medical Co-Director of the Center for Operational Resource Efficiency (CORE) and the Transfer Center at Jefferson. He is Board Certified in surgery and surgical critical care and is a Fellow of the American College of Surgeons (FACS) and the American College of Critical Care Medicine (FCCM). He completed his fellowship in trauma and surgical critical care at the Hospital of the University of Pennsylvania and his general surgery residency at Thomas Jefferson University Hospital. He received his Doctor of Medicine degree from Jefferson Medical College (now SKMC) in June 2007, and his BA in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998, as a member of Narberth Ambulance and served on Narberth's Board of Directors for twelve years as the Corps' Treasurer, Secretary, Membership Chair, and BLS Training Coordinator. He is currently a Life Member and an Assistant Medical Director. While at Columbia, Josh served as the CMO and Executive Director of CUEMS. Joshua became involved with NCMSF in 2000. He served for three years as the Foundation's first National Coordinator before being elected to the Executive Board.

Michael S. Wiederhold, MD, MPH, MS

Michael Wiederhold, NCMSF 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 NCMSF in 1998 as Director-at-Large and has served as Treasurer since 2001.

Yoni Litwok, MD

Yoni Litwok, NCMSF 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 and Cardiology Fellowship at Northwell Health. He served as both Chief Resident of Internal Medicine and Chief Fellow of Cardiology during his tenure. He completed his critical care fellowship at Mount Sinai Hospital and is currently a critical care cardiologist at Valley Hospital in New Jersey.

NCMSF DIVISION COORDINATORS

Karolina A. Schabbes, MPH

Karolina Schabbes, NCMSF 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 NCMSF 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 director.



NCEMSF Leadership Bios

Stephen J. Lanieri

Stephen Lanieri, NCEMSF National Coordinator, graduated from Daniel Webster College in 2008 with a BS in Aviation Management. As a freshman, he founded a student-run and state-licensed campus EMS service where he was Chief for all 4 years. Steve began in EMS at 16 as a cadet on the Branchburg Rescue Squad in NJ and became an EMT at 17. He has become certified in Swiftwater Rescue, Vehicle Extrication, and Airplane/Helicopter Rescue, and served as a Lieutenant of the rescue squad. Steve started his full-time career as a Communication Specialist/EMT with Boston MedFlight. He has also worked at some of the busiest airports throughout the Northeast US, managing airport operations, security, and emergency response/preparedness, which he continues doing at his current role at a major NYC-area international airport. Steve has been a national ski patroller at Pats Peak Ski Area in Henniker, NH and is an annual medical tent deputy leader at the Boston Marathon. He continues to volunteer as an EMT and firefighter on local departments, and a member of his county EMS Bureau. Steve previously served as NCEMSF's Northern New England Regional Coordinator.

Joseph M. Grover, MD, FACEP, FAEMS

Joseph Grover, NCEMSF Startup Coordinator, is a Clinical Associate 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.

Zachary Gant, NRP, CCEMT-P

Zachary Gant, NCEMSF Assistant Startup Coordinator, became a volunteer firefighter while in high school. He attended Western Carolina University and completed his Bachelor of Science degree in Emergency Medical Care with a concentration in EMS management. While at WCU, Zachary was active in WCU EMS, holding numerous leadership positions, including EMS Chief. After graduation, Zachary joined Orange County Emergency Services where he continues to work full-time as a paramedic. Additional involvement in EMS has included volunteering and leadership with South Orange Rescue Squad, teaching EMS courses at the high school and collegiate level, and most recently completing his critical care certification.

Joshua E. Glick, MD, FACEP

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

Jeffrey J. Bilyk, ACP(f)

Jeffrey Bilyk, NCEMSF EMS Week Coordinator, is the founder and former Director of the University of Windsor Emergency Response Team. He previously served on the NCEMSF Board as Canada Regional Coordinator. He worked as an EMT in Michigan and after a hiatus doing work in 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 endeavors to continue to grow the number of Canadian campuses with CBEMS teams.

Eric Pohl, MS, 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 and located in Cleveland, Ohio. Professionally, Eric responds to spills and releases of hazardous substances or petroleum, and works to protect human health and the environment. He is a Paramedic and Clinical Preceptor for the City of Hudson, OH Emergency Medical Services. Previously, he was a Supervisory Hazardous Materials Specialist for the Bureau of Police and Security of the New York City Department of Environmental Protection. 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 certification from St. Vincent's Hospital - Manhattan in 2008 and has provided 911 services in OH, NY and NJ. Eric earned a Master of Science degree in Environmental Management from the University of Maryland Global Campus in 2021. Eric's professional interests include CBRN Consequence Management; crisis and disaster response; environmental sustainability; and responder mental health. He is a member of EPA's National Critical Incident Stress Management team, and also serves on the Summit County, OH ASSIST77 CISM team. He is the former NCEMSF NY Regional Coordinator.

Zachary Matuzsan, DO

Zach Matuzsan, NCEMSF Education Coordinator, began his EMS career in 2007 as a volunteer EMT with the East Windsor Rescue Squad in New Jersey. He joined the Hopkins Emergency Response Organization in 2008 as a freshman and later served as the Equipment Lieutenant and Operations Lieutenant. He graduated with a degree in Public Health Studies in 2012 and subsequently earned his Doctor of Osteopathic Medicine in May of 2016 from Rowan University's School of Osteopathic Medicine in New Jersey. Zach completed an emergency medicine residency at Lehigh Valley Health Network in June 2020 before finishing an EMS fellowship at Cooper University Hospital in June 2021. He is currently an attending physician at the Lehigh Valley Health Network in Allentown, PA and is a core faculty member for the emergency medicine residency program. Zach serves as an Associate Medical Director for Lehigh's aeromedical MedEvac program and is medical director for Northampton Regional EMS. He is board certified in Emergency Medicine and EMS/Pre-Hospital Medicine.

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, MScTRM, CEM, FF/LP

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 assistant program manager for a DHS-supported initiative to assist law

NCEMSF Leadership Bios

enforcement agencies in the Houston region with the detection and interdiction of radiological and nuclear materials. He also works as an In-Charge Paramedic and dispatcher at Harris County Emergency Corps, he volunteers with the Northwest Volunteer Fire Department, and is an AHA instructor with the Baylor College of Medicine. 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. He served as NCEMSF's Central Regional Coordinator from 2012 to 2017.

Christopher Gaeta

Chris is the Editor-in-Chief of The Journal of Collegiate Emergency Medical Services. He attends Swarthmore College and the University of Pennsylvania pursuing degrees in economics and bioethics. His research interests include digital health initiatives in the pre hospital care setting.

Ernest Wang

Ernest Wang serves as the Managing Editor of the JCEMS. Beginning his EMS career as a freshman with Harpur's Ferry Ambulance Service, Ernest is a senior double-majoring in neuroscience and philosophy at Binghamton University. A published author in the field of neurodegeneration, Ernest's other academic interests lie in looking at therapeutic treatments for skeletal diseases, priority-setting for vaccine distribution, and the regulatory systems governing the development and access of drugs for the global poor.

NCEMSF REGIONAL COORDINATORS

Evan A. Formosa

Evan Formosa, NCEMSF Canada Regional Coordinator, began his collegiate emergency medical response career in 2011 as a responder with the Western University Student Emergency Response Team (SERT) in London, Ontario, Canada. In 2013, Evan took on the role of Training Coordinator and in 2014 he became the Executive Director where he implemented new symptom relief medication and added emergency vehicle lighting to SERT's response vehicle. Evan is a Canadian Red Cross Advanced Emergency Care Instructor and currently trains new SERT members as well as provides first aid and CPR training to the public. Evan graduated from Western University with a degree in Physiology and a Masters in Clinical Anatomy. He completed his medical degree at New York Medical College in 2021. Evan is currently completing his residency in Emergency Medicine at the University of Saskatchewan in Saskatoon, Sk, Canada.

Laura Hanson, DO

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 volunteered part-time as a reserve for the Arizona Department of Public Safety Air Rescue helicopter for many years. She completed medical school at Midwestern University in Arizona in 2020 and is currently an emergency medicine resident physician at Magnolia Health in Mississippi.

David Afienko, DO

David Afienko, NCEMSF Massachusetts Regional Coordinator, began his collegiate EMS career with Massachusetts Maritime Academy's EMS organization. In 2012, David co-founded MMA EMS and granted the role of Chief. David graduated from MMA in 2013 with a degree in emergency management. He is a 2020 graduate of Touro College of Osteopathic Medicine in New York and is now an emergency medicine resident at Albany Medical Center in NY. David carries prior experience as an EMS field supervisor, part-time faculty at Northeastern University, and as an ER technician at Tufts Medical Center.

Lex Martin, CCRN, NRP

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 and rapid response teams. She continues to be involved in EMS as an LTE paramedic and AHA BLS/ACLS instructor for Deer-Grove EMS in Dane County, Wisconsin.

Matthew D. Ricci, MPA

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

Lucas Rappert

Lucas Rappert, NCEMSF 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. Currently, Lucas is a medical student at Kansas City University. His free time is spent staying active outdoors and attending outdoor music events.

Catherine Gibbs, BSN, RN, PHRN

Catherine Gibbs, NCEMSF Northeast Regional Coordinator, is a Cardiac ICU Nurse at The Children's Hospital of Philadelphia. Catherine studied Neuroscience at Temple University where she served as the Director of Operations for the on-campus EMS organization, TUEMS. Catherine continued her education at Thomas Jefferson University where she pursued her nursing degree. Catherine is a prehospital RN (PHRN) and an EMS instructor who is passionate about community engagement and education. Catherine is currently working with a university in Philadelphia to develop a university based EMT education program.

Kate Kasen, MBA, RN, CEN

Kate Kasen, NCEMSF 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 has experience working in emergency & neuroscience nursing, as well as teaching and curriculum development for nurses, paramedics, physicians and other healthcare personnel. Kate is currently the Nurse Manager for the Emergency Department and Forensic Nurse Examiner Team at UVA Health. She is a Certified Emergency Nurse.

Ryan M. Hay, MSN, RN

Ryan Hay, NCEMSF Pennsylvania Regional Coordinator, is a Board-Certified Emergency Nurse and Emergency Manager, serving as the Administrator of Public Safety and Emergency Operations 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. Ryan holds both a BS in Nursing and a BA in Political Science from DeSales University. While at DeSales, Ryan cofounded

NCEMSF Leadership Bios

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 Team Leader on the Lehigh County (PA) Special Operations Team and a part-time Paramedic/PHRN for the City of Bethlehem's Bureau of EMS.

Gabe Gan, MPH, NRP

Gabe Gan, NCEMSF Southeast Regional Coordinator, first became involved in EMS as a high school student in the Maryland suburbs of Washington, D.C. He attended Emory University in Atlanta, GA, where he majored in human health and 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 spent over three years as a healthcare consultant for payers and providers with the PricewaterhouseCoopers Health Industries Advisory practice. He now works for the Office of the Medical Director at the District of Columbia Fire & EMS Department, where he serves as the department's lead EMS quality improvement analyst and also assists in the structuring and implementation of novel clinical programs and research projects.

Tom Renner

Tom Renner, NCEMSF West Regional Coordinator, started his EMS career as an Ocean Lifeguard in Laguna Beach, CA. He later began his collegiate EMS career during his freshman year in 2012 at Johns Hopkins University on the Hopkins Emergency Response Organization (HERO). While on HERO, Tom served as the Equipment Lieutenant and later as the Operations Lieutenant while majoring in public health studies. Tom attends the Uniformed Services University of Health Sciences' F. Edward Hebert School of Medicine where he is an ensign in the United States Navy. Tom is also a member of the International Surf Lifesaving Association (ISLA) and has lifeguarded around the world.

IN MEMORIAM

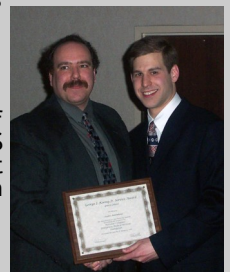
John P. Pryor, MD, FACS, MAJ, MC, USAR

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.

Stu Rosenhaus, EMT, CIC

NCEMSF was saddened to hear of the passing of NCEMSF Life Member Stu Rosenhaus this fall. An alumnus of Brooklyn College EMS and one of NCEMSF's founding members, Stu had a career as an EMS provider, EMS educator, and emergency manager that spanned more than 30 years. He was also a regular presenter at NCEMSF's annual conferences and in the early 2000s served as the editor of NCEMSF's first quarterly research publication, EMS Pulse. Our thoughts are forever with Stu's family and loved ones.



Notes

Notes

Schedule Summary

Sunday, February 26, 2023

7:30 AM - 8:30 AM	Continental Breakfast	<i>America Foyer</i>
8:00 AM - 8:50 AM	Workshop Session 10 (Page 27) Recognition and Treatment of Overdose and Withdrawal Health Equity Barriers and Collegiate EMS: Why Patients May Refuse No ALS Available: BLS Management of Respiratory Emergencies Beyond Emergency Response: Expanding Your Impact Through Research Engineering Hemostasis EMTs Say What? Pre-Hospital Truth Telling and Otherwise Advancing Culturally-Competent Care for Diverse, Older Populations Roundtable: Startup	<i>Essex North Essex Center America North St. George America Center Essex South Staffordshire Parliament</i>
9:00 AM - 9:50 AM	Workshop Session 11 (Page 28) Uh Oh, Now What?! Leadership in Medicine: Bringing out the Best Cardiac Arrest: Familiar Protocols in an Unfamiliar Setting It's Okay to Not be Okay, for a Little While Anything Can Happen: Unpacking 10 Fascinating Publications What's Really Killing Patients? Impact of Social Determinants of Health I See Said the Blind Man...Communication Conundrums & Barriers to Care Roundtable: Emergency Management Roundtable: Administrator/Advisor/Medical Director The ABC's of MCI's: a Table Top Experience (Part 1 of 3)	<i>Essex North Essex Center America North St. George America Center Essex South Staffordshire Great Republic Parliament Empire</i>
10:00 AM - 10:50 AM	Workshop Session 12 (Page 29) Scene Safety, Leadership & Communication - It's All Connected The New Officer's Guide CPAP, BiPAP and Ventilators for EMS and Beyond Holding the Wall: Care for Patients in the ER Little People Big World...Pediatrics in a World of Trauma Healing The Healers: Acknowledging & Resolving Sexual Harassment in EMS Best Practices When Treating a Patient with Autism Roundtable: Training Roundtable: Engaging Your Alumni Network The ABC's of MCI's: a Table Top Experience (Part 2 of 3)	<i>Essex North Essex Center America North St. George America Center Essex South Staffordshire Great Republic Parliament Empire</i>
11:00 AM - 11:50 AM	Workshop Session 13 (Page 31) Taking the Technician out of EMT Telling Your Story, How to Get Things Done in a College Environment Too Hot Too Cold 2 Legit 2 Quit: Hyper and Hypothermic Emergencies Virtual Reality Approaches to Improve Mass Casualty Incident Preparedness Has this Patient Been a Victim of Strangulation? After that Bad Call The Time for a Renaissance is Now Roundtable: Fundraising and Financing The ABC's of MCI's: a Table Top Experience (Part 3 of 3)	<i>Essex North Essex Center America North St. George America Center Essex South Staffordshire Great Republic Empire</i>
12:00 PM - 12:30 PM	Conference Wrap-Up	<i>America North</i>

Thank You For Attending - Safe Travels Home!

Please remember to ***complete your evaluation forms*** online
(www.ncemsf.org/conf2023)

**See You Next Year!
February 2024**

Schedule Summary

Saturday, February 25, 2023 (Continued)

12:00 PM - 1:00 PM	Lunch On Your Own	
1:00 PM - 1:50 PM	Workshop Session 6 (Page 16) Not Your Granddad's Documentation Course Mobile Health: The Future of Healthcare The Moon is Cheese: Cases in Altered Mental Status The Sky is the Limit Lead How? Manage Who? Leadership Basics for Emergency Services Street Ethics: Decision Making in Crises Lightning Talks Micromobility: Public Service or Public Nuisance When Nature Calls-EMS After Hurricanes in U.S. Virgin Islands Explore Phoenix Training: Addiction & Connection to Treatment Roundtable: Picking Up the Pieces Post-COVID JCEMS Poster Session	St. George Essex North America North Essex South Essex Center Staffordshire America Center Parliament America Foyer
2:00 PM - 2:50 PM	Workshop Session 7 (Page 18) Federal DMATs: Deploying After a Disaster To Provide Medical Care Your Wish is Their Command! Concise Biotelemetry to Medical Control When Athletes Collapse: CPR on the Sports Field The Worst Case Scenario: Pediatric Trauma MCI Creating a Protocol for Intoxicated Collegiate Patients: A DIY Adventure Disaster Medicine: A Crash Course in Disaster Preparedness and Response Lightning Talk CPR Innovations: A Critical Review "Where does the Needle Go?" - Management of Tension Pneumothorax So You Got ROSC...Now What? My Name is ____: Reconnecting in a Post-Pandemic World Roundtable: Recruitment & Retention Skills Lab: Resuscitation of a Drowning Victim Skills Lab: Scrutinize the Squiggles! (An ECG Interpretation Skills Lab)	St. George Essex North America North Essex South Essex Center Staffordshire America Center Adams Parliament Defender Empire
3:00 PM - 3:50 PM	Workshop Session 8 (Page 20) NHTSA Office of EMS Welcome to the Main Event! Planning for Mass Gatherings You Took What? Recognizing Toxidromes Shock Delivered: Rethinking "Public Access Defibrillation" The Military's Civilian SAR Capabilities Are You Dealing with Emotional Vampires or Do You Need EI to Translate? Lightning Talks Scary Spice & Everything Nice: Spice Girls of Leadership Trauma Consciousness - It's Okay to Not be Okay Pressing Pause: Re-evaluating How We Respond to Assist the Police Panel Discussion: Careers in Emergency Management Roundtable: Inside the Journal of Collegiate EMS Skills Lab: Management Of Aggressive Behaviors (MOAB) Skills Lab: All Bleeding Will Stop - Sooner or Later!!	St. George Essex North America North Essex South Essex Center Staffordshire America Center Adams Parliament Defender Empire
3:50 PM - 4:05 PM	Snack Break	America Foyer
4:05 PM - 4:55 PM	Workshop Session 9 (Page 22) Critical Care, Critical Communication Emergency Management: It's More Than Just ICS Show Me The Money! Funding Beyond Your University Budget A Bad Day In The Laboratory Hot off the Press: EMS Research in 2022 Sense & Sensitivity: Trauma-Informed Responses to Sexual Assault Calls Roundtable: Administrative Challenges in a Collegiate EMS Agency Skills Lab: Splinting Improv: When there are no SAMs or air splints Skills Lab: Best Practices for the Field Treatment of Pelvic Injuries	St. George A-D Essex North America North Essex South Essex Center Staffordshire Parliament Defender Empire
5:00 PM - 6:00 PM	Plenary Session - Major John P. Pryor, MD Memorial Lecture Passion, Service & Values	America Center
6:00 PM - 7:00 PM	NCESMF Business Meeting and Awards Presentation	America Center
7:00 PM	Dinner in Boston On Your Own	
7:00 PM - 8:30 PM	Alumni Social and Networking Event	Staffordshire
10:00 PM - 2:00 AM	NCESMF Club, Casino and Glow Golf	America Ballroom

(Sunday on Previous Page)

Schedule Summary

Friday, February 24, 2023

4:00 PM - 10:00 PM	Registration	America Foyer
5:00 PM - 10:00 PM	Stryker EMS Skills Classic	Essex Foyer
6:00 PM - 6:50 PM	Workshop Session 1 (Page 8) Overdose Myths and Missteps CPR Hurts: The Rescuer! Pushing the Envelope: Capnography for the BLS Provider Everyone Can Graph - ECG Fundamentals Roundtable: Startup	America Center Essex South Essex Center Staffordshire St. George D
7:00 PM - 7:50 PM	Workshop Session 2 (Page 8) A Trauma Review - What Do the Images Show? What's up with Head up? The future of CPR? An update FAST LAPSS in the VAN: Making Sense of Stroke Care Equitable Care: Fighting Unconscious Bias Roundtable: Chiefs and Presidents Leadership	America Center Essex South Essex Center Staffordshire St. George D
8:00 PM - 8:50 PM	Plenary Session 1 Disasters Upon Disasters: A Look at Recent Global Disasters	America Center
8:45 PM - 12:30 AM	PCOM Welcome Social & Mixer / CPR Challenge	America Ballroom

Saturday, February 25, 2023

7:15 AM - 8:30 AM	Continental Breakfast	America Foyer
7:45 AM - 8:15 AM	Group Introductions / Meet & Greet	America Center
8:15 AM - 9:05 AM	Responder Admin Plenary Session 2 Squirrelly Survival: Resurrection from the Flames of a Plane	America Center
9:15 AM - 10:05 AM	Workshop Session 3 (Page 11) Under Pressure: Mental Skills to Perform Best When the Heat is On Mass Casualty Incident Management: Triage, Treatment, and Transport Bad Blood: Early Identification and Treatment of Sepsis Ultrasound in EMS 1st Due Action for the Non-Transporting EMT The Art of Quality Improvement in Collegiate EMS Lightning Talks Stats, Stat! Leveraging Data to Improve Care & Operations To Refuse or Not to Refuse, That is the Question EMTALA For The EMS Provider Roundtable: The Pros and Cons of Social Media Roundtable: Administrator/Advisor/Medical Director	St. George Essex North America North Essex South Essex Center Staffordshire America Center Parliament Great Republic
10:15 AM - 11:05 AM	Workshop Session 4 (Page 12) Human Performance Optimization and Resilience in Emergency Services Drones in EMS: Current Evidence and Future Directions Resuscitate Before You Intubate Geriatric Trauma ECPR: Coming Soon to an EMS Agency Near You? EMS Beyond a Binary: Trans and Intersex Healthcare in EMS Lightning Talks Diamond in the Rough, The Trauma Diamond of Death Time is Brain! Tummy Time: GI/GU Emergencies in the Young Adult From Awkward to Awesome Roundtable: Technology Skills Lab: Airway Skills Lab: Ultrasound - E-FAST/RUSH	St. George Essex North America North Essex South Essex Center Staffordshire America Center Adams Parliament Defender Empire
11:15 AM - 12:00 PM	Workshop Session 5 (Page 14) - Richard W. Vomacka Student Speaker Competition: From Brugada Syndrome to Commotio Cordis Bias in EMS: Evolutionary & Revolutionary Curricula Healing the Hidden Wounds: a Modernized Guide to Mental Health The Benefits of High-Pressure Training in Collegiate EMS The LifeSaveHer Project: Tackling Gender Disparities in OHCA Outcomes UEMR Collegiate EMS Probationary Training Roundtable: Regional Discussions	St. George Essex North America North Essex South Essex Center Staffordshire America Center

(Continued on Inside Back Cover)