

NCEMSF 2024

The 31st Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 23-25, 2024
Marriott Waterfront Hotel
Baltimore, MD

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Download the Conference Program App
<https://my.yapp.us/NCEMSF2024>



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) 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 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-one 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 47

NCEMSF Executive Officers

President	George J. Koenig, Jr., DO
Vice-President	Scott C. Savett, PhD
Secretary	Joshua A. Marks, MD
Treasurer	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	Ernest Wang

Regional Coordinators

Canada	Available
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, MS
Northeast	Catherine Gibbs, BSN, RN
Asst Northeast	Meghann Zapcic-Desrochers, MD
N. New England	Available
Pennsylvania	Ryan M. Hay, MSN, RN
Southeast	Gabe Gan, MPH, NRP
West	Tom Renner

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experience on social
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@NCEMSF



@NCEMSF

Welcome to Baltimore - Enjoy Your Stay!



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

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

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

Baltimore Fast Facts

Population: 569,931 (30th most populous city in the US)

Average Elevation: 154 ft

Area: 92 sq mi

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

Find fun things to do around the city at <https://baltimore.org/convention-blog/ncemsf/>



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
2024 - Baltimore, MD

Future Conferences:
February 21-23, 2025 - Pittsburgh, PA

Pre-Conference Workshop - Friday, February 23, 2024

12:00 pm - 4:00 pm *Pre-Conference Tours*

Meet Hotel Lobby

Maryland State Police Aviation Command Tour

Tour the world renowned Maryland State Police Aviation Command's Trooper 1. The MSPAC has been serving Maryland since 1954 and the fleet currently consists of Agusta Westland AW139 aircraft flying from seven stations. Its mission is to protect and improve the quality of life through the airborne delivery of emergency medical transportation, law enforcement, search and rescue, homeland security, and disaster assessment services to residents of the State of Maryland.

Transportation to the venue will be provided. Pre-registered attendees will be notified of exact times and transportation details by Thursday, February 22nd.

Baltimore City Fire Department Marine Fire Rescue Tour

Tour the famous Baltimore City Fire Department Marine Fire Rescue, which has a fleet consisting of one Class A Fireboat and two Class C Fire Rescue Boats. This unit is responsible for firefighting, hazmat response, water and dive rescue, and emergency medical services off-shore not accessible by land-based units.

Attendees are responsible for their own transportation to this location (in the Inner Harbor, about 20 minutes from the hotel). Exact transportation details will be provided to pre-registered attendees by Thursday, February 22nd.

12:30 pm - 4:00 pm *Pre-Conference Workshop*

Kent A-C

Simulation Lab and Advanced Skills

Zachary Matuzsan, DO, NCEMSF Educational Programs Coordinator

This hands-on pre-conference event will consist of multiple small group simulated cases aimed at learning the pre-hospital evaluation and treatment of common emergencies. Participants will have the opportunity to rotate through three stations focusing on medical, trauma, and special-population cases. Each station will also teach advanced skills including IV placement, intubation, ultrasound, and others. Faculty for this event have extensive experience with EMS and medical education. This is a great opportunity to expand your knowledge prior to the kickoff of NCEMSF 2024! Pre-registration required

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

Harborside 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.

4:30 pm - 11:00 pm *Stryker EMS Skills Classic*

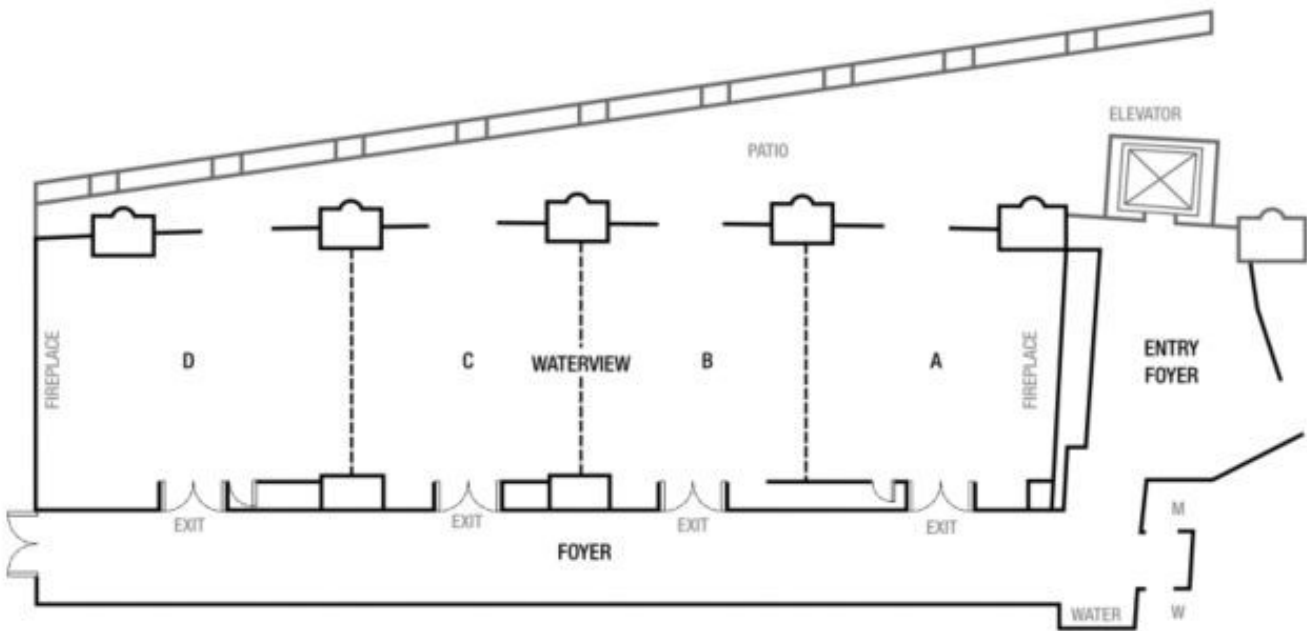
Laurel A-D

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.

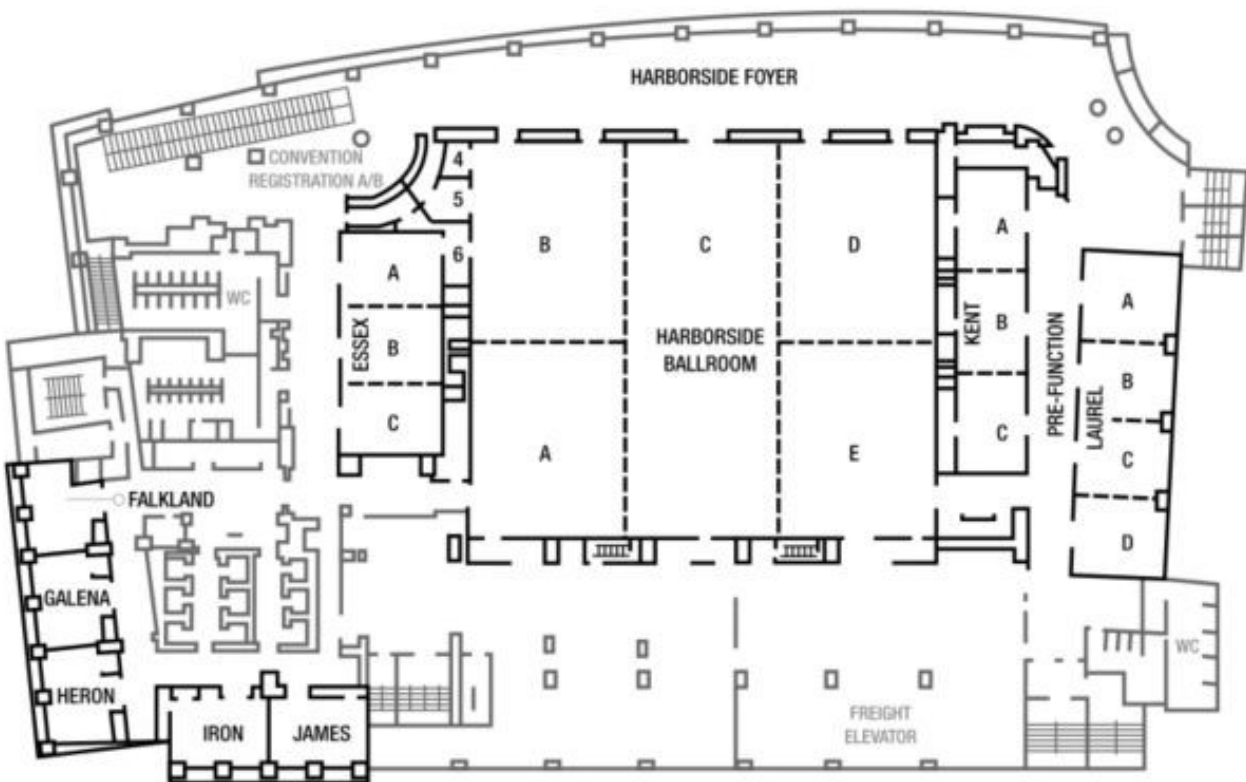


Marriott Waterfront Hotel Floor Plan

LOBBY GROUND LEVEL



FOURTH FLOOR LEVEL



Please visit our sponsors, exhibitors, and educators Saturday and learn more about their products, programs and services in the 4th floor Harborside Foyer. Complete your **ExhibiTOUR Raffle Card** for a chance to win great prizes.

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American Canadian School of Medicine
www.acsom.edu.dm

American Red Cross
www.redcross.org

Avive Solutions, Inc.
www.avive.life

Baltimore City Fire Department
www.fire.baltimorecity.gov

BTG Pharmaceuticals
www.serb.com

Charleston County EMS
www.charlestoncounty.org

Columbia Southern University
www.start.columbiasouthern.edu

Frost Valley YMCA
www.frostvalley.org

Global Medical Brigades
www.medical.globalbrigades.org

International Police Mountain Bike Association
www.ipmba.org

Responder Admin
www.responderadmin.com

Rowan-Virtua School of Osteopathic Medicine
www.som.rowan.edu

SAM Medical
www.sammedical.com

St. George's University
www.sgu.edu

Stevenson University Online
www.stevenson.edu/online

Sterling Volunteer Rescue Squad
www.sterlingrescue.org

University of Maryland
www.umd.edu

10-8 Emergency Vehicle Service
www.service.10-8evs.net

Fairfax County Fire and Rescue
https://www.fairfaxcounty.gov/

Intersurgical
www.intersurgical.com



ambulnz



Avive

BTG
Pharmaceuticals
a SERB company



COLUMBIA SOUTHERN
UNIVERSITY



MEDICAL Brigades



SAM
MEDICAL
School of Osteopathic Medicine

SAM
MEDICAL

St. George's University
Grenada, West Indies

STEVENSON
UNIVERSITY



10-8
EMERGENCY
VEHICLE SERVICE

INTERSURGICAL
COMPLETE RESPIRATORY SYSTEMS
Quality, innovation and choice



Conference Schedule - Friday, February 23, 2024

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

Wilderness Woes: Navigating Animal-Related Trauma

Harborside C

Benjamin Abo, DO, EMT-P, WP-C, FAWM

Don't let animal related trauma stampede over proper patient care! Let's take a look at negative encounters with wildlife from the wilderness EMS doc himself, Dr. Ben, from major injuries to encounters planned and unplanned on the tv show "Kings of Pain". *CE Code: 311A*

College-Based EMS Providers' Mental Health and Wellbeing

Harborside D

Jena Curtis, EdD and Kyla Young

EMS providers have been extensively documented to have higher rates of mental health disorders, including depression, PTSD, and suicidal ideation, than the public. Workplace stressors and critical incidents have been demonstrated to increase EMS providers' mental health symptoms. In 2021, the Centers for Disease Control and Prevention stated that suicide deaths among EMS providers, known to be elevated, are likely still under-reported. The CDC called for more research on mental health in EMS. College Based EMS Providers (CBEMS) agencies operate differently than municipal agencies. Typically, CBEMS agencies have lower call volume and fewer critical incidents. Little is known about mental health symptoms in CBEMS providers. They experience typical EMS workplace stressors and may also be exposed to critical incidents. CBEMS providers also have the additional academic pressures of college life. This presentation will showcase original research conducted with more than 100 CBEMS providers across the country. The focus of this session will be on understanding CBEMS providers' experiences, the mental health symptoms that they report, and their recommendations on how to support provider well-being and increase agency function. *CE Code: 311B*

Crushed It

Harborside E

Zachary Mauro, DO, EMT-P

This presentation explores crush injuries, providing pre-hospital providers with essential knowledge and strategies for effective patient care. It covers the pathophysiology of crush injuries, including crush syndrome and compartment syndrome, highlighting the importance of early recognition and intervention. Attendees will learn about initial assessment, stabilization, extrication considerations, and pharmacologic management through case studies. Additionally, it discusses prolonged extrication, evacuation, and evolving protocols. Attendees will leave with confidence in diagnosing and treating crush injuries in the pre-hospital setting. *CE Code: 311C*

Peer Mentoring: A Unique EMT Course at the Univ of Dayton

Essex A-C

Jeff Bruggeman

This presentation will discuss the EMT Course format at the University of Dayton, home to an EMS program established since 1992. UD EMS operates as a fully student-run volunteer EMS organization, with senior members occupying all command roles. Key topics will include the history of UD EMS, the selection process for new members, and the organizational structure led by students. A focal point will be the in-house EMT course, where newly accepted members undergo an intensive training program each August. Within this course, students are paired with experienced crew members who serve as mentors, guiding their progress throughout the training. Furthermore, UD EMS members actively participate in lab sessions, practice, and review sessions to support their peers. This peer mentorship plays a pivotal role in the program's outstanding success, with a historical national registry pass rate exceeding 95%. By sharing insights from this unique program, the presentation aims to equip participants with the necessary tools to establish and nurture a thriving student-driven EMT certification program, emphasizing the importance of mentorship in the certification journey. *CE Code: 311D*

Roundtable: Startup

Kent A-C

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 learn at this year's conference and helping them determine the next steps in furthering their organizations. *CE Code: 311E*

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

Sense & Sensitivity:

Harborside C

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: 312A*

Conference Schedule - Friday, February 23, 2024

Paramedics on Trial: Ketamine, Cameras, Courtrooms

Harborside D

Donnie Woodyard, MAML, NRP

This session will delve into the intersecting realms of EMS practice, legal challenges, and public perception, illuminated by the Colorado ketamine case. This pivotal trial, involving two paramedics, serves as a lens to examine the complexities EMS professionals face amidst digital surveillance and legal scrutiny. Participants will explore key aspects of the trial, particularly focusing on the administration of ketamine, the impact of digital recording on EMS operations, and the critical role of patient advocacy and consent. We will analyze how the trial's proceedings reveal the gap between public expectations and the realities of EMS work, guiding attendees in aligning their practice with these evolving standards. Emphasis will be placed on the importance of detailed documentation and record-keeping, highlighting their significance in legal contexts. Attendees will engage in developing personal strategies to uphold professionalism in digitally recorded scenarios and enhance communication skills in patient advocacy and informed consent. This session aims to empower EMS professionals with insights and practical approaches to navigate the increasingly complex legal and ethical landscapes of their field, ensuring high-quality, compliant, and patient-centered care. *CE Code: 312B*

Street Wars: The Scooter Menace

Harborside E

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. Using case studies, 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. *CE Code: 312C*

Oh Sh#t; I Have a Bachelor's in EMS, Now What?

Essex A-C

Peter Melan

This presentation serves as a roadmap for students embarking on their journey through the diverse opportunities within Emergency Medical Services (EMS). Tailored for prospective graduates, the session delves into the multifaceted landscape awaiting those with an EMS degree. Participants will embark on a comprehensive exploration of specialized career tracks, ranging from critical care transport to EMS administration, enabling them to make informed decisions about their professional paths. Beyond skill assessments, the presentation emphasizes the significance of aligning personal passions with career choices, empowering attendees to find fulfillment in their chosen endeavors. Furthermore, the session addresses the dynamic nature of EMS, equipping participants with strategies for continuous professional growth, including pursuing advanced certifications and staying abreast of emerging trends. Recognizing the value of networking, the presentation offers practical guidance on establishing connections within the EMS community, fostering mentorship, and collaborative opportunities. This presentation provides a framework for EMS degree holders to navigate and capitalize on the vast array of opportunities available, ensuring a purposeful and fulfilling career journey in the ever-evolving field of EMS. *CE Code: 312D*

Roundtable: Chiefs and Presidents Leadership

Kent A-C

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: 312E*

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

Harborside C

Why We Should Be Measuring Lactate In The Field

Samuel Galvagno, DO, PhD, MBA, FCCM

Measurement of glucose has become both an ALS and BLS standard for point of care testing in the field. But what about lactate? Is lactate a physiological treasure trove or dead end waste product? In this lecture, the utility of lactate in sepsis and hemorrhagic shock will be explained. Differences in Type A and Type B lactatemia will be described and the concept of lactate clearance will be defined. Lactate may be used as a metabolic marker for different disease states and this lecture will argue for use in the prehospital arena. *CE Code: 313A*

Conference Schedule - Saturday, February 24, 2024

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

Harborside A-B

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

Harborside Foyer

Test your strength, endurance, and precision in a quest to outperform the machine. Contestants will perform two minutes of high quality CPR as per the AHA Guidelines. Prizes will be awarded Saturday evening to the top performers.



A Note about NCEMSF Lectures, Roundtables, 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. **Lightning Talk Sessions** offer three 15 minute high-yield, fact-filled talks, exposing attendees to a variety of relevant topics. Additionally, **Closed Captioning Service** will be available in *Harborside C* Friday and *Harborside A* on Sunday.

Roundtable and Panel Discussions 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.

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

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

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

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

Conference Schedule - Saturday, February 24, 2024

7:00 am *Late Conference Check-in* *Harborside Foyer*

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

7:45 am - 8:15 am *Group Introductions / Meet & Greet* *Harborside C*
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 *Workshop Session 3*
EMS Research in 2023 *Harborside C*
Joshua E. Glick, MD, FACEP, NCEMSF Alumni Coordinator
We will review some of the most notable research publications in the field of prehospital medicine published in 2023. Our review will cover a wide spectrum of topics including cardiac arrest care, airway management, prehospital medications, and more. Don't miss this opportunity to gain valuable insights and stay up-to-date with the latest advancements in prehospital emergency care. *CE Code: 411B*

Ooooh, Aaaah, OHHHH! How Could That Have Happened? *Harborside D*
Becky Valentine
This session is certainly NOT for the faint of heart. This session does not cater to everyone's tastes. We will be looking at various (many are blunt and gruesome) trauma pictures/scenarios and attempting to figure out what type of mechanism of injury may have caused patient presentation. Let's see how well you think outside the box! *CE Code: 411A*

The EMS History You Never Knew: The Untold Story *Harborside E*
Donnie Woodyard, MAML, NRP
Embark on a revealing journey with "The EMS History You Never Knew: The Untold Story," an exploration that uncovers the hidden depths of EMS history. This session is not just about revisiting the past; it emphasizes how understanding historical developments is crucial to comprehending the present and shaping the future of EMS. We begin by unveiling the origins of the Star of Life, delving into its symbolic significance and the stories embedded within this iconic emblem. Moving back to the 1960s, we unearth the pioneering efforts in EMS data collection and run reports, laying the groundwork for modern emergency response systems. The narrative then progresses to the transformative 1970s, marked by federal mandates that spurred the development of nationwide EMS systems. This period also saw intense congressional investigations that led to significant reforms in emergency medical care. Attendees will learn about the first paramedics and regional EMS systems, highlighting how these trailblazers reshaped pre-hospital care and set new standards in emergency medical services. This is more than a historical account; it's a vital lens through which we understand the evolution of EMS, providing insights crucial for envisioning its future and continuing its legacy in healthcare. *CE Code: 411C*

9:15 am - 10:05 am *Workshop Session 4*
Performance Punishment: *Essex A-C*
Why Are We Loosing Our Best People?
John Todaro, RN, NRP, TNS, NCEE, CHSE, CHSOS
Recruitment and retention are two of the biggest issues in paramedicine today. This presentation will discuss the concept of "performance punishment." How it plays a significant role in the loss of an organization's best personnel, and how it negatively affects recruitment. The presentation discusses options for real-world solutions for combating organizational "performance punishment." *CE Code: 412A*

So You Responded: Now What? *Kent A-C*
Cole Matthews
Prehospital clinicians frequently encounter high-stress incidents as part of their roles. From minor injuries to major disasters, they are often responding to individuals experiencing potentially the worst day of their lives. This presentation explores strategies for safely navigating such incidents and fostering post-incident resilience. The focus is on providing practical insights to enhance support for both individuals and teams in similar circumstances. *CE Code: 412B*

Creating a Protocol for Intoxicated Patients: A DIY Adventure *Laurel A-D*
Thomas Goode, MS, NREMT
Virtually all collegiate EMS providers encounter a college-aged patient intoxicated from the classic "two beers." While these patients require evaluation by prehospital providers, hospitalization for some may be unnecessary and these patients can be allowed to refuse further care and transport. Yet, in the age of liability where collegiate agencies face scrutiny from medical directors to college or university administrators and risk managers, facilitating a patient refusal is often difficult and inherently risky. This presentation

Conference Schedule - Saturday, February 24, 2024

follows the evolution of an agency-specific alcohol refusal protocol, tailored specifically for a collegiate EMS service, from an initial, unofficial set of criteria to a comprehensive, research-based policy developed and iterated between multiple agencies and departments. This lecture reviews the medical and legal essentials for evaluating intoxicated patients, offers guidance and criteria useful to determining patient outcomes, and provides agencies with the necessary elements to think critically about their own processes for allowing intoxicated patients to refuse transport. *CE Code: 412C*

Advanced Cardiac Arrest Treatments: Pressing on the Boundaries of Care

Harborside A

William Reis, MD, MS

Cardiac arrest is a common cause of death in the United States and is one the most acute diseases treated by EMS. EMS has an essential role in cardiac arrest care, and it is well known that early, high quality EMS care is critical for survival. The fundamentals of cardiac arrest care have longed involved chest compressions, oxygenation, and arrhythmia management. However even with high quality care, the United States still has a 5-50% survival rate for cardiac arrest. Research into new treatments is necessary to improve outcomes for this highly lethal, time sensitive disease. This presentation will provide a high-level overview of the most cutting-edge cardiac arrest treatments. Many of the treatments we will discuss (such as heads up CPR, Sudden Death CT scans, Extracorporeal Membrane Oxygenation, and Target Temperature Management) are still in experimental phases and have yet to be translated into routine EMS protocols. This presentation will expose EMS providers to the most advanced therapies used to treat cardiac arrest. *CE Code: 412D*

EMS Awakening:

Harborside B

Transforming Care Through Humanity & Mental Health Conversations

Koralia Burz, MS

In the stirring narrative of EMS, "EMS Awakening" invites you on a transformative voyage, unraveling the evolution of care steeped in humanity. Witness the powerful shift towards empathy-led practices that have reshaped the heart of Emergency Medical Services. Explore pivotal moments, anecdotes, and stories that paint the vibrant tapestry of EMS's journey towards human-centered care. Embark on a compelling exploration into the realm of leadership, where empathy and inclusivity redefine the landscape. Discover how leaders have metamorphosed, nurturing environments that honor vulnerability and foster genuine connections. Moreover, be part of a courageous conversation: the normalization of mental health dialogues within the EMS community. Together, let's create a safe haven where discussions on mental well-being are welcomed and supported, cultivating resilience and camaraderie. "EMS Awakening" beckons you to embrace this stirring awakening within EMS, celebrating its triumphs in compassion, inclusivity, and the courage to navigate the uncharted waters of mental health conversations. Join us in igniting change and fostering a community where empathy is the beacon guiding every interaction. *CE Code: 412E*

Leading With Emotional Intelligence

Harborside D

Bill Stierle, BSE, MS

EMT students benefit immensely from emotional intelligence, ensuring they handle high-pressure situations with composure and empathy. By grasping the five elements--self-awareness, self-regulation, motivation, empathy, and social skills--they enhance patient care and team dynamics. Transforming EMT training to emphasize emotional intelligence can redefine their response to challenges. As EMTs navigate emergencies, the power of emotional intelligence ensures misunderstandings are addressed productively and with understanding. Ultimately, integrating emotional intelligence can revolutionize how EMTs and organizations manage emotional upsets, optimizing care and teamwork. *CE Code: 412F*

Transgender and Intersex Inclusive Care in EMS

Harborside E

Delia Sosa, MS

What does it mean to be transgender and intersex? What do we mean when we talk about gender-affirming healthcare? How does trans- and intersex-inclusive care extend into collegiate EMS? When we talk about trans- and intersex-inclusive 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 sex and gender in an inclusive and accurate way, how inclusive 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: 412G*

Not Your Mama's Joint: Today's Drugs of Abuse

Waterview A-C

Lucian Mirra, MEd, NRP

Let's face it - drug use in and around the college setting is common. As more states legalize marijuana, and as other drugs become easier to obtain, EMS providers are left to treat students and community members who have used a myriad of drugs. From weed and Delta-8, to Molly, Kratom, and more, this presentation will review major toxidromes, dispel some common myths about drugs, and examine best practices in treating the overdose patient through the lens of real-life case studies. Samples NOT included! *CE Code: 412H*

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Lightning Talks

Harborside C

Burns for BLS

Cassandra Crouse, BS, NRP, FP-C

This lecture provides an overview of initial assessment and management of burn injuries. We will apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill/injured burn patient. Through case studies, the rule of nines methodology will be utilized to assess burn extent in both adult and pediatric populations.

Don't Let the Beat Drop

Divya Krishna, MD

This session will provide an overview of how to recognize and treat heart blocks. We will focus on understanding the pathology behind the cardiac conduction system, recognizing different types of heart block, and managing patients with this presentation. EMTs will learn to recognize some of the signs and symptoms of heart block via case scenarios in order to effectively respond to this condition.

Blisters

Joseph Kim, NREMT-P

This lecture will discuss how to prevent and treat blisters in a wilderness setting. *CE Code: 412I*

Roundtable: Administrator/Advisor/Medical Director

Galena

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

In this roundtable dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will begin discussing concerns of university officials and address issues that they may be facing on their campuses. Meet your fellow university administrators, advisors and medical directors in attendance. *CE Code: 412J*

Roundtable: Recruitment and Retention

Heron

Lucas Rappert, MS and Tom Renner, NCEMSF Regional Coordinators

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: 412K*

Skills: Pediatric Resuscitation

Falkland

William Cebulskie, MSME, NRP

This hands-on skill station for EMS pediatric resuscitation offers participants practical training in vital procedures essential for effectively managing pediatric emergencies. Attendees will engage in scenario-based simulations to learn skills in pediatric including skills pediatric airway management, CPR techniques tailored to children, administration of pediatric-specific medications, and IV/IO access. *CE Code: 412L*

Skills: Airway Lab

James

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

Airway management remains a cornerstone of emergency medical services skills. Attendees will have the opportunity to interact with experienced EMS instructors and physicians. The session familiarizes learners with fundamentals of direct laryngoscopy and highlights the use of novel devices such as the "UEScope" videoscope. Expand your skill set through practice with endotracheal intubation, video laryngoscopy, and other airway fundamentals. *CE Code: 412M*

10:15 am - 11:05 am Workshop Session 5

Poland and Ukraine: Experiences After an Invasion

Essex A-C

David Nitsch, PhD, MPH, NRP

This presentation will examine the experiences of the presenter during the time spent in Poland and Ukraine shortly after the invasion. The presentation will look beyond the "typical" understanding of wartime injuries and discuss broader challenges that were encountered. The massive influx of refugees at the border, coupled with basic human needs, chronic illnesses and trauma of various etiologies will be discussed. These discussions will be presented with the backdrop of the intentional cruelty of war and the impacts inflicted on a civilian population. *CE Code: 413A*

All I Knew Was F.A.S.T.:

Kent A-C

A Case Study of Atypical Stroke Presentation

Becky Valentine

The last known well time prior to having a stroke is a critical piece of information. While the most common strokes may include facial symmetry, arm drift, changes in speech, and time, there are other types of presentation that could very well be a stroke as well. In this case-based session, we will discuss signs and symptoms that may identify this condition and offer tools that can help guide interventions for your patients. *CE Code: 413B*

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How to Guide for Establishing QI in Collegiate EMS

Laurel A-D

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

Too often EMS systems mistake Quality Assurance for Quality Improvement. This session will introduce the key concepts of quality improvement and differentiate them from quality assurance. It will introduce the model for improvement, teach participants how to define quality measures, and how to visually track them over time to determine whether change is actually an improvement. *CE Code: 413C*

Stormy Course: Endocrine Emergencies You Can't Miss

Harborside A

Mohamed Hagahmed, MD

Patients with endocrine emergencies can experience a wide array of symptoms that pose unique challenges in the prehospital setting. EMTs and Paramedics will learn how to identify some clues that guide them to finding the proper diagnosis and starting the correct management. *CE Code: 413D*

Empowering Teams:

Harborside B

Leveraging Neurodiversity for Authentic Training & Communication in EMS

Koralia Burz, MS

Join us on an insightful exploration into the realm of neurodiversity in EMS leadership. In this presentation, we unveil the transformative power of embracing neurodivergent perspectives, showcasing how these insights can revolutionize training methodologies and foster authentic communication within EMS teams. The first hour delves into the concept of neurodivergent leadership, unveiling its impact on team dynamics. Participants will uncover the unique traits and strengths inherent in neurodiversity, paving the way for inclusive and empathetic team collaboration. Engaging discussions and practical examples will illustrate the tangible benefits neurodivergent leadership offers in enhancing problem-solving and fostering a more cohesive work environment. In the second hour, we delve into actionable strategies for authentic training and communication. Participants will explore tailored training methodologies catering to diverse learning styles, empowering them to implement inclusive training approaches. Additionally, interactive sessions will spotlight effective communication techniques that promote genuine dialogues, emphasizing active listening and respectful communication within diverse teams. Join us in unlocking the potential of neurodiversity, empowering EMS teams to thrive through inclusive training practices and authentic communication strategies. *CE Code: 413E*

Blast Injuries in Modern Warfare: Takeaways for EMS

Harborside D

Matthew Piechnik and Jeff Kalczynski, DO, FAWM

Blast injuries represent a unique and devastating pre-hospital challenge that EMS providers should be prepared for. Often complicated by a mass casualty scenario, the pre-hospital provider requires a strong understanding of blast mechanisms, tissue injury patterns, and appropriate management. This lecture will discuss the latest in blast injury research and the current recommendations for injury management. Our discussion will analyze cases from the modern battlefield & identify the important takeaways for the EMS environment. This lecture is guaranteed to be a blast! *CE Code: 413F*

Sleep and Fatigue: Don't be a Sleep Martyr!

Harborside E

Paul Koch, MSAE, NRP

In February 2009, A Colgan Airlines Bombardier Q400 crashed while on a nighttime approach to Buffalo Niagara International Airport, killing 49 people. In the subsequent investigation, the National Transportation Safety Board cited aircrew fatigue as a contributing factor to the crash. As a result, the FAA instituted sweeping changes to pilot fatigue rules and required airlines to develop a fatigue risk management program for its aircrew. Fatigue, both chronic and acute, continues to be a contributing factor in medical errors. It's time for the medical community to acknowledge the detrimental effects of fatigue and lack of sleep and take steps to minimize them. In this lecture, we will look at sleep, why sleep is important to our performance and general well-being, and what happens when we don't get enough of it. We will also look at ways to recognize when we are fatigued and ways to develop a fatigue-free workplace *CE Code: 413G*

Ultrasound in EMS

Waterview A-C

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

We will cover the basics of how to use an ultrasound machine, followed by a review of some relevant research related to how prehospital providers can use this technology. We will then spend some time discussing concrete examples of how EMS can use this technology for specific cases. *CE Code: 413I*

Lightning Talks

Harborside C

The Year of AI: What Should Healthcare Providers Know?

N. Alex Cutsumbis, NRP

2023 was the year of AI. ChatGPT, Bard, and other generative AI system took the world by storm. Their potential to advance healthcare can't be understated, but their potential downsides are just as real. In the presentation we will look at AI in healthcare, see where we've been, where we're at and where we're going.

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EMTs Without Borders: Delivering Healthcare Abroad With Global Medical Brigades

Madison Sweitzer

Explore a life-changing adventure where emergency medical skills meet global healthcare. In this session, hosted by Global Medical Brigades, we're inviting EMTs to be part of something bigger--a movement that goes beyond borders to deliver essential healthcare to under-resourced communities across three continents. Global Medical Brigades (GMB) is an international movement of students and medical professionals working alongside local communities and staff to implement sustainable health systems. Imagine 7 to 9-day trips where you get hands-on experience supporting medical clinics alongside local doctors. You'll triage patients, take vitals and patient history, shadow doctors, teach health education, and ultimately deliver healthcare to communities that wouldn't otherwise have these services. We'll talk about the real health challenges faced by our partner communities, and highlight the crucial role student EMTs can play in making positive, lasting change. The session wraps up with practical steps--encouraging EMT students to either join existing Medical Brigades or start their own club on campus. Participating in a Medical Brigade is a chance to extend the impact of your training and life-saving skills, while gaining invaluable hands-on experience in diverse healthcare settings. Join us in the largest student-led movement for global health!

Empowering the Next Generation: Advocacy and Engagement for Young EMS Professionals

Peter Melan

As the landscape of emergency medical services (EMS) continues to evolve, there is a growing recognition of the invaluable contributions that youth EMS professionals bring to the field. Harnessing the energy, enthusiasm, and fresh perspectives of young EMS practitioners is essential for driving innovation, promoting diversity, and ensuring the sustainability of the profession for generations to come. This lightning talk proposes a focused exploration of strategies to advocate for and engage youth EMS professionals. By empowering this demographic cohort, we can cultivate a vibrant and dynamic workforce that is equipped to address the evolving needs of our communities and healthcare systems. *CE Code: 413H*

Roundtable: Inside the Journal of Collegiate EMS

Galena

Charisma Hasan and Jacob Robishaw-Denton, JCEMS Editorial Board

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: 413J*

Roundtable: Technology

Heron

Scott C. Savett, PhD and Ian Feldman, FF/LP, NCEMSF Vice President and Webmaster

There's no doubt that technology continues to be an integral part of EMS. 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: 413K*

Skills: Moulage

Falkland

Using Stage Makeup to Create More Realistic Training Scenarios

Joseph Kim, NREMT-P

Have you ever wondered how Hollywood makeup artists make injuries look so realistic? In this hands-on skills session you will learn and practice creating realistic-looking traumatic wounds to use during training scenarios. We will explore basic stage makeup and application techniques that can enhance your rescue squad's training scenarios. We'll cover basic fractures, bruising, head injuries, impaled objects, and amputations and you will practice creating some of these during the session. You'll leave with an idea of what you need to build your own moulage makeup kit and how to use it. A great way to enhance the realism of your training and help you prepare for seeing the real thing, don't forget your camera/phone for the hashtag worthy results. *CE Code: 413L*

Skills: Low-Fidelity, High-Impact: Laser Focused Pediatric Simulations

James

James Dlutowski, BS, NRP

Not every agency and clinician has unlimited access to high-fidelity simulation, especially in pediatrics. This course has two modules: the course development module and the educational module itself, making it appropriate for both the clinician and the educator. We will review three likely culprits to the critically ill, medical pediatric patient, management of those patients through laser-focused simulation and finally discuss how to build these stations out with the resources available to you. *CE Code: 413M*

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11:15 am - 12:00 pm Workshop Session 6

23rd 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.

Hazardous Materials Ops-A World of Common Dangers Harborside A *Shabbir Bohri*

Institutions universally contain some aspect of hazardous materials - from chemistry labs in college campuses to the energy plants that surround them, the mixture of the simplest chemicals can produce dangerous reactions. Although the occurrence of such incidents are low, the consequences remain high, necessitating college EMS campuses to have a general understanding of containment protocols and operations in this facet of disaster. As a group of college students seeking experiences to enhance our college EMS, FEMA's Hazardous Materials Operations course provided us with a once-in-a-lifetime opportunity to work alongside professionals trained in disaster response and apply our learning to our organization. Through creating protocols to carry the Emergency Response Guidebook to learning the presentations and treatments of symptoms from chemicals, we have supplemented our ability to effectively respond to HAZMAT incidents. CE Code: 414A

Inclusive & Compassionate Care Amongst Collegiate EMS Harborside B *Alekhyia Pidugu and Nitya Koduri*

Bias in healthcare has an extensive history and has been disproportionally affecting marginalized communities. Various forms of bias have been evident in healthcare practices, policies, and providers themselves. Marginalized populations have historically not received equal treatment and care as their more advantaged counterparts, diminishing their trust in the healthcare system and providers. This presentation aims to recognize that we all carry implicit biases and focus on how to deliver inclusive and compassionate care as Collegiate EMS professionals. As collegiate EMS professionals, our strong suit lies in the connections we establish with students in a way that other EMS or healthcare professionals cannot. Inclusive and compassionate care is the holistic approach in the healthcare field that prioritizes the well-being and dignity of every individual, irrespective of their background, identity, or circumstances. We plan to highlight the results from an awareness training conducted on our volunteers at Emory EMS. As demonstrated, our EMT's awareness, confidence, and adequacy of training improved by self-reported scores. Hopefully, this presentation brings a new perspective to the collegiate EMS world that will later shape the future of healthcare. CE Code: 414B

Overcome Turnover: Harborside D Crafting Competent Leaders in Collegiate Agencies *Margaret Hendrickson and Matthew Hoffman*

It is part of the nature of collegiate agencies to have a high turnover rate. Those at career agencies spend years learning about EMS before considering getting into leadership. At most, we have 4 years and we have to learn everything at a far expedited rate. Unfortunately, those can only hold positions for so long. Most positions will only be held for 1-2 years. Projects get lost in transition. Relationships between agencies and businesses dissolve. Remember that the agency's job is to train new members. So, how can we mitigate the consequences of a high turnover rate and ensure competency is maintained? Even further, how can we grow our agency and execute long term goals? We will discuss how to provide opportunities to learn and take initiative to produce competent leaders. This includes conversations about leadership principles based on experience and literature, specific leadership opportunities that could apply to any agency, and ability to adapt to change. CE Code: 414C

What EMS Training Doesn't Teach You: Applying Empathy Harborside E *Betania Arce and Gloria Li*

Empathy lies at the heart of effective healthcare, although how to successfully show empathy during patient care is rarely taught during EMS training. Drawing on scientific research, this presentation explores what empathy is and how we can cultivate and preserve it in our care, especially during high-stress environments like emergency medical responses. We will delve into empathy's cognitive and behavioral aspects, emphasizing the importance of practical strategies such as active listening, non-judgment, and non-verbal cues in building rapport with patients. Additionally, attendees will gain insights into self-awareness, mindfulness, and resilience-building techniques to sustain their empathetic capacity for all patients. By the end of the session, participants will know how to transform their compassion into empathy. By applying empathy, we elevate our care and avoid simply sticking to routine checklists. CE Code: 414E

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Regional Roundtable Discussions

Harborside C

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: 414F**

12:00 pm - 1:00 pm *Lunch On Your Own*

Tour: Fire Suppression Unit and Medic Unit

Tour Fire Suppression and Medic Units of the BCFD and meet current firefighters and paramedics who serve the City of Baltimore. The BCFD is an ISO Class 1 department serving a geographic area of 92 square miles with a daytime population exceeding 1,000,000 and a residential population of more than 620,000. More than 1,600 members are assigned across Community Risk Reduction, Safety and Member Services, and Emergency Operations management branches. These members respond to more than 235,000 calls for service per year utilizing 35 engine companies, 17 ladder companies, 24 first-line medic units, 5 critical alert medic units, 1 heavy rescue and other specialty units.

1:00 pm - 1:50 pm *Workshop Session 7* **OIC? - Becoming the Collegiate EMS Officer**

Essex A-C

Garrett Noone

Collegiate EMS encounters distinctive challenges that differ from those of traditional EMS services. Despite these hurdles, collegiate EMS operations must operate just as effectively. Officers within these services are often thrust into leadership roles primarily due to the unique circumstances of college life, including a four-year rotation, limited clinical and leadership experience, and time constraints due to academic commitments. In this session, we will explore strategies for navigating these specific challenges, drawing insights from someone who recently faced similar circumstances. The discussion will focus on ensuring that you fulfill your role as a productive and impactful leader within your service. **CE Code: 415A**

Breaking Ground: Launching the DC Stabilization Center

Kent A-C

Gabe Gan, MPH, NRP, NCEMSF Southeast Regional Coordinator

Amidst Washington, D.C.'s pressing substance use crisis, the city has soared to the top of national charts, surpassing West Virginia in fatal drug overdoses per 100,000 residents. This presentation delves into the pioneering launch of the DC Stabilization Center (DCSC), a transformative 24/7 facility providing compassionate, short-term unscheduled care for individuals grappling with alcohol and drug use. A groundbreaking collaboration between the DC Department of Behavioral Health and DC Fire and EMS, this initiative revolutionizes emergency care for those with primary substance use concerns. Attendees will gain exclusive insights into the meticulous planning, development, and execution phases, unraveling customized EMS protocols and transport criteria tailored for stable substance use cases. Despite notable differences in patient demographics between DCSC patients and those with substance use concerns at colleges and universities, this session unveils universally applicable strategies, offering crucial takeaways for campus EMS providers in managing intoxicated individuals within their unique environments. **CE Code: 415B**

Preventing the Tube:

Laurel A-D

Medical Management of Airway Emergencies

Lily Nong, NRP

Every EMS provider is eager for the opportunity to intubate or ventilate, but what about the chance to prevent the need for airway management? This presentation will go over common medical emergencies and how to treat them medically from both an ALS and a BLS perspective. Topics covered include anaphylactic shock, congestive heart failure, COPD, and more! **CE Code: 415C**

Calibrating Our Compass:

Harborside A

Improving How We Respond With Law Enforcement

James Dlutowski, BS, NRP

EMS agencies respond alongside law enforcement every day. A strong, symbiotic relationship is mutually beneficial, protecting EMS clinicians, law enforcement officers and the community. It is imperative that when EMS professionals are responding to assist the law enforcement officers, that we recognize our personal and professional biases to ensure patient and public safety. In this session, we will analyze five cases in which bias likely interfered with EMS teams' decision making, and discuss how to prevent similar missteps in the future. **CE Code: 415D**

EMS & Observational Epidemiology Methods

Harborside B

Tatiana Snedeker

There's a reason that EMS protocols are always changing, and clinicians are expected to change with them. EMS research is a critical piece of providing the best outcomes possible for patients. In practice, these changes are not always presented in a way that is approachable to those who work in individual-level health, yet their patients make up the population that epidemiology emphasizes. Observational epidemiology is a

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foundational component of public and clinical health research. However, the disconnect between clinical and public health methods limits the exchange of knowledge and communication between the two fields. EMS professionals are frequently the first clinicians to notice changes in community and population health before they reach the systematic level but they often do not have the proper resources or training to operationalize their findings. By emphasizing the importance of tailoring these concepts to each unique community, this presentation will provide introductory epidemiology theories and tools, and explain how they can be applied to prehospital settings. *CE Code: 415E*

Now That's a Lot of Patients:

Harborside D

MCI Management for the Collegiate Supervisor Level Provider

DJ Lesh and Gino Mollica, MA, NRP

Ever considered your pivotal role in managing the initial moments of a Mass Casualty Incident (MCI) unfolding on your college campus? While you may not be expected to single-handedly oversee the entire spectrum of such large-scale incidents, being prepared to navigate the initial stages effectively is paramount for overall incident success. Join DJ Lesh and Gino Mollica in an insightful session to gain valuable insights into strategies empowering both individuals and organizations to adeptly handle the initial response to MCIs. This engaging lecture will encompass essential on-scene command tactics, resource allocation strategies, identification of potential equipment needs, and a thorough exploration of various training topics tailored to prepare your organization's responders for the challenges posed by Mass Casualty Incidents. By delving into these critical aspects, you'll be better equipped to contribute significantly to the coordinated efforts ensuring a swift and effective response in crucial moments. *CE Code: 415F*

Crime Scene Management and What it Means for EMS

Harborside E

Jonathon Jenkins, NRP, CADS, F-ABMDI

EMS providers often respond to incidents and scenes where evidence preservation and safety are butted against the need for high quality patient care. During this lecture, we will explore the intricacies of providing high level prehospital care in conjunction with working with our law enforcement partners to ensure the highest system of evidentiary efficacy. *CE Code: 415G*

EMS Physician Extenders:

Waterview A-C

What You Could be Doing After Graduation?

Stephen Gerber, MSN, MSHS, APRN, NRP

EMS advanced practice providers (APPs) play an integral part of the delivery of services in many EMS agencies. Until recently most Physician Assistants and Nurse Practitioners working in EMS were limited to extending the capabilities of the community paramedic. This talk will expound on the various positions that APPs can hold within an EMS agency including a review of The National Association of EMS Physicians position statement on APPs in EMS. We will talk about why we need experienced, college-educated, EMS professionals to take on these roles as physician extenders and how to get there. *CE Code: 415H*

Lightning Talks

Harborside C

NCEMSF: The Hidden GEM to Great Success!

Jack Rubins

Campus EMS agencies often face administrative hurdles. The onset of COVID posed a significant threat to our operations and even questioned our presence on campus. Nonetheless, by collaborating with fellow squads and leveraging the resources of NCEMSF, we discovered ways to fortify and enhance our organization. Our journey started at the NCEMSF conference, where we engaged in networking with other collegiate EMTs, speakers, and NCEMSF personnel. In this brief presentation, we will delve into how our organization utilized the NCEMSF network to bolster our campus agency, while simultaneously seizing professional opportunities that could lead to career-defining moments!

Special Field Skills & Considerations for Collegiate Dorm Response

J. Dominic Singh, NRP, I/C

Responses to college dormitories and off-campus housing can present some unique challenges not frequently seen in the typical residential environment. The goal of this lecture is to outline some of those unique challenges and share some techniques to mitigate them learned from years of response to that environment.

Doing Less with More: International Crisis Response and Recovery

David Nitsch, PhD, MPH, NRP

The world is an increasingly complex place, and the addition of widespread crisis only further complicates the underlying complexities. Therefore, the need for efficient and effective response and recovery efforts are vitally important and the "typical" model may not meet this requirement. This discussion will analyze the causes and correlations of international crises and explore the gaps and overlaps of response and recovery methods. *CE Code: 415I*

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Roundtable: Administrative Challenges in Collegiate EMS

Galena

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: 415J**

Roundtable: EMS Leadership Today

Heron

Retention, Mental Wellness, Training and Operational Excellence

Bill Stierle, BSE, MS

The EMS profession is facing unprecedented challenges in the 21st century, such as high turnover rates, increased stress and burnout, complex and dynamic operational environments, and evolving training and certification standards. How can EMS leaders cope with these challenges and ensure the quality and safety of their services, while also taking care of their own and their staff's mental wellness? Join us for an interactive discussion with some of the best and brightest EMS leaders in the field, who will share their insights and best practices on how to retain, support, and empower EMS personnel, as well as how to optimize operational efficiency and excellence. You will have the opportunity to ask questions, exchange ideas, and network with other EMS leaders who are facing similar issues. Whether you are a seasoned EMS leader or an aspiring one, this session will provide you with valuable information and inspiration to enhance your leadership skills and performance. Don't miss this chance to learn from and connect with the EMS leadership community. **CE Code: 415K**

Poster Session Walk Rounds

Harborside Foyer

Charisma Hasan and Jacob Robishaw-Denton, *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. **CE Code: 415N**

2024 Posters:

1. Michael Ashkinadze - *University of California, Los Angeles*: Emergency Medical Services Occupation-Related Sleep Habits
2. Ann Wemple - *University of Richmond*: Program Development of Stop the Bleed Integrating Education and Equipment
3. Reem Abdelghany - *University of Florida*: Collegiate EMS as a Supplement to Local EMS at Large-Scale Campus Events
4. Giovana Silva - *University of Florida*: Analyzing the Comfort Level of Collegiate Emergency Medical Responders in the Administration of Medications
5. Fezen Khokhar - *McMaster University*: Trauma-Informed Prehospital Healthcare; Actionables for Improving Patient Outcomes
6. Claire Shi - *Rice University*: Investigating the Role of Public Assistance in Managing Cardiovascular Emergencies in Rural Areas
7. Ananya Vadlakonda - *Case Western Reserve University*: CWRU EMS Organizational Resilience - Maintaining Operations amid Campus Changes
8. Malea Joyce - *University of Florida*: University of Florida Alcohol Education Resource Program
9. Evelyn Bibbins - *St. Lawrence University*: SLU EMS Response Times - Network Analysis of St. Lawrence University
10. Sabrina Liu - *Massachusetts Institute of Technology*: Addressing the Gender Disparity in bystander CPR Rates with Breast Adjunct

Skills: Nitty Gritty ACLS

Falkland

Sheila Elliott, MS

Whether you are an EMT or Paramedic, you will leave this presentation with confidence, recognizing the 7 main rhythms and cardiac drugs that correlate with the ACLS algorithms in a "Nitty Gritty" style. The algorithms are presented in a fun, creative and entertaining format. During the Hands-On Skills Sessions, students will be divided into groups to practice mega-codes. NO STRESS, ACLS! **CE Code: 415L**

Skills: Ultrasound in EMS - Ultrasound-Guided IV Access

Waterview D

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

Have you struggled with getting reliable IV access on a patient? Sick enough to need medications, but don't really want to reach for an IO? We will cover the use of ultrasound to aid in placement of a peripheral IV. This technology has been a game-changer in EDs across the country, and there is no reason that the skill set can't be applied in the pre-hospital setting, where IV access is often needed the most! **CE Code: 415M**

2:00 pm - 2:50 pm Workshop Session 8

Asking a One Word Question Can Make You a Better Preceptor Essex A-C

N. Alex Cutsumbis, NRP

Being a good preceptor can be a difficult role to fill. Differences in communication styles and expectations can lead to both preceptor and preceptee feeling un-fulfilled. In this presentation we will provide some communication tools and tricks to help this very important process in EMS education. **CE Code: 416A**

Conference Schedule - Saturday, February 24, 2024

Toxicologic Emergencies

Kent A-C

Laura Hanson, DO, NRP, NCEMSF Central Regional Coordinator

How many times in the past year did you run a call for an intoxicated patient? While acute alcohol intoxication is the most common ingestion in the collegiate prehospital setting, EMS providers must be able to recognize other types of poisoning. Not every intoxication is purely alcohol induced, and we must broaden our differential to include additional ingestions or exposures. We will discuss how to improve your recognition of the most common toxidromes and how to treat them in the prehospital setting. *CE Code: 416B*

The 12-Lead ECG in Syncope: Moving Beyond the ST Segment

Laurel A-D

Jeffrey Bilyk, ACP(f), NCEMSF EMS Week Coordinator

Prehospital providers often consider the 12-Lead ECG a vital component to assessing a patient after syncope. But quite often a quick glance is all that's done with the result, reassuring the patient there's no STEMI present and they safely can go on their merry way. But the reality is there's a myriad of cardiac causes of syncope that have nothing to do with coronary artery occlusion. This session will review various cases of cardiogenic syncope and how to spot some of these silent killers. *CE Code: 416C*

Pediatric Injuries: Are You Prepared?

Harborside A

William Cebulskie, MSME, NRP

With year-to-year variation, pediatric patients account for upwards of 10% of EMS encounters in the United States. Are you and your EMS agency prepared for pediatric injuries? This course will review pediatric injury data and trends from the Center for Disease Control and Prevention (CDC) that will allow EMS clinicians to better understand causes and distribution of pediatric injuries from across the United States. The information presented will enable EMS clinicians to identify needed areas of improvement and preparation for pediatric injuries and emergencies at their local EMS agency(s). Lastly, this course will also identify several resources that are available to EMS clinicians and EMS agencies that can be used for clinical patient care reference, development of training programs, and to increase preparedness for EMS encounters with pediatric patients. *CE Code: 416D*

At War for Hearts

Harborside B

Nathan Harig, MA, NREMT-P

Over the past decade, our understanding of psychological trauma responses has grown, while cardiac arrest survival rates have remained stagnant. This presentation explores the utility of the Self-Determination Theory (SDT), a theory that discusses how 3 psychological needs of competence, relatedness, and autonomy, can help to activate bystanders to achieve maximum CPR performance and desirable outcomes. This presentation explores current challenges to elements of SDT in modern society and suggests ways to incorporate what has been learned into CPR training and advocacy. It will also include a discussion of how we as responders can cater to the psychological needs of bystanders and patients who have experienced a cardiac arrest, and how we can better motivate communities to build a motivated core of citizen responders. *CE Code: 416E*

TCCC in a Nutshell

Harborside D

Andrew Rosenblum, MSPH

Has your agency thought about the major components of a mass casualty (MASCAL) incident? In this session, we'll review major themes from past MASCALS and the key elements of Tactical Combat Casualty Care. Proven through 20 years of prehospital, battlefield medicine, TCCC focuses on eliminating preventable trauma deaths at the point of injury. Emphasis will be placed on how collegiate agencies can implement these ideas in their training and preparedness. *CE Code: 416F*

Healing The Healers:

Acknowledging & Resolving the Dangers of Sexual Harassment

Harborside E

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: 416G*

From Awkward to Awesome:

Waterview A-C

Turning Difficult Dialogues into Exquisite Exchanges

Eric Garrison, MAEd, MSc

Have you resorted to an email or text, because a face-to-face interaction would feel too weird? Before a disciplinary action, do you talk to your crew to figure out what they did wrong above all else? Have you or a member of your crew dated and broken up (or perhaps are still happily dating!) and that has become an uncomfortable situation? Have you left a meeting with Campus Police or "the Administration" feeling like less

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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: 416H**

Lightning Talks

Harborside C

Effective Communication: Enhancing Patient Care and Crew Coordination

Andrew Tang

Good communication is paramount for EMTs as they interact with a diverse range of patients in challenging situations. This presentation explores the critical role of communication, with a specific focus on improving interactions for different patient groups. Attendees will learn to recognize and address unique communication challenges. Real-life examples showcase the positive impact of effective communication, while practical tips and best practices offer actionable strategies. The presentation covers creating a culture of feedback that embraces a positive learning environment.

They Have What?

Approaching Pre-Hospital Infectious Disease Outbreak Response

Tatiana Snedeker

Infectious disease outbreaks vary from the flu to norovirus, and EMS professionals are often the first to be exposed as well as the first to notice trends. 70% of disease outbreak etiology is identified. The relationship between pre-hospital providers and public health officials is a critical component of infectious disease surveillance. Knowing how to recognize the difference between normal and abnormal incidences of infection, identify points of exposure, and epidemiologic links to work through outbreak scenarios aids in providing efficient communication channels between clinical and public health professionals. Working through common EMS infectious disease exposure scenarios, EMS providers will learn what questions to ask their patients, the criteria for an outbreak, as well as how to critically think through infectious disease control and exposure concerns.

Suicide Risk Assessment

John Seward and Claire Shaver

Attendees will acquire skills to accurately assess and appropriately manage patients experiencing a behavioral health crisis, particularly those with active or passive thoughts of self-harm or acute suicide ideation. They will receive training in utilizing a six-question validated suicide risk screening tool for comprehensive evaluation. **CE Code: 416I**

Roundtable: Fundraising and Financing

Galena

Matthew D. Ricci, MPA and David Afienko, DO, NCEMSF Regional Coordinators

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

Roundtable: The Power of GRIT in Overcoming Obstacles!

Heron

India White, EdD

This presentation will highlight the main takeaways of Dr. India White's TEDx Talk on "The Power of G.R.I.T." and will feature tangible strategies that you can use to incorporate grit in ways that will produce measurable results and break down invisible barriers. Attendees will receive a copy of Dr. White's G.R.I.T. Workbook. Through exercises and expert insights, readers learn to assess their grit, set meaningful goals, and overcome obstacles in various areas of life. Inspirational stories add depth, making it an invaluable resource for personal growth and success. **CE Code: 416K**

Skills: Splinting Improv-When There are no SAMs or Air Splints

James

Joseph Kim, NREMT-P

In this session 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: 416L**

Skills: Ultrasound in EMS - FAST (Session 1)

Waterview D

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

This session will allow for hands-on practice of the FAST exam using portable hand-held ultrasound machines. **CE Code: 416M**

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3:00 pm - 3:50 pm Workshop Session 9

1st Due Action for the Non-Transporting EMT

Essex A-C

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: 417A*

Smoke Signals: Understanding Capnography

Kent A-C

Jacob Miller, ACNP, ENP-C, CNS, NRP, FAEN

While capnography is commonly associated with verifying ET tube placement, it holds broader significance in assessing a patient's clinical status. This presentation focuses on the physiological and pathophysiological factors underlying end-tidal CO₂ values. By breaking down EtCO₂ into its components of ventilation, perfusion, and metabolism, participants will learn to analyze potential causes of high, low, and normal EtCO₂ readings within the context of common clinical presentations encountered in EMS practice. *CE Code: 417B*

The Use of Lights and Sirens: Is Faster Really Better?

Laurel A-D

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

Have you ever wondered while speeding down the road at 2:00AM with no cars on the road but lights and sirens in operation, whether this made sense? While lights and sirens use has been embedded in the culture of EMS since its inception, no significant research has been done to see if it's effective or harmful. This lecture will show the newest studies, and raise the question whether enough is enough for this commonly used practice. *CE Code: 417C*

The Moon is Cheese: Cases in Altered Mental Status

Harborside A

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: 417D*

High In The Sky - An Overview of Helicopter EMS

Harborside B

Zachary Matuzsan, DO, NCEMS Educational Programs Coordinator

Medical helicopters are often an area of intrigue, but how much do you actually know about the aeromedical system? When should you consider transporting a patient via a helicopter? What can EMS providers do in a helicopter that other modes of transport cannot? Come join this talk covering the basics of helicopter EMS in addition to discussing the operations and capabilities of treating patients in the air. Lots of helicopter pictures included! *CE Code: 417E*

Responding to Aquatic Trauma

Harborside D

Tommy Renner, ESN

With over 70% of the earth covered by water, chances are you'll be responding to a water-related emergency in your career. Dive into an educational lecture about drowning resuscitation, SCUBA-related emergencies, propeller trauma, and other special circumstances. Immerse yourself into an often overlooked wilderness EMS topic. *CE Code: 417F*

I Don't Have Time to Make the Right Decision!

Harborside E

Louis Imperatrice, NRP

EMS clinicians and professionals are tasked with having to make many time-sensitive critical decisions in the course of patient care. What many fail to realize, is that these decisions, the ability to make them, and the ability to make them timely, are affected directly and indirectly by human factors, such as fear of causing harm, ego, and personal failure. We will discuss the relationship these human factors have in the decision-making process, and how EMS professionals can identify and overcome the human factors at play, and make the right decision at the right time. *CE Code: 417G*

Think FAST: Use of Ultrasound in Trauma Assessment

Waterview A-C

Tom Leith, MD

Point of care ultrasound (POCUS) is a fast, effective, and low-risk diagnostic tool that has become ubiquitous in emergency departments around the globe. The Focused Assessment with Sonography in Trauma (FAST) exam, in particular, is now standard of care in the initial evaluation of patients with major trauma. Numerous studies have been performed to date demonstrating that EMS personnel can be quickly and effectively trained to perform potentially lifesaving scans, including the FAST exam, using handheld ultrasound devices. Though POCUS remains underutilized in the prehospital setting, recognition of its importance is growing, and it may soon become a core competency for prehospital care providers. In this lecture, I will explain the basic principles of ultrasound imaging, including the physical properties of ultrasound waves and how to correlate two-dimensional images on a screen with three-dimensional anatomy and physiology inside the human body. I

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will then briefly review the current evidence regarding the use of POCUS in the prehospital setting. Once this groundwork has been laid, attendees will be invited to participate in an interactive discussion of a variety of medical cases involving the interpretation of ultrasound images obtained from FAST exams and other common scans. *CE Code: 417H*

Lightning Talks

Harborside C

Up in Smoke! Cyanide and Carbon Monoxide

Benjamin Abo, DO, EMT-P, WP-C, FAWM

Based on status quo and our initial educations, we learn a lot about toxins released in what usually kills in fires. However, I challenge whether its the most appropriate approach to diagnose and treat such things. Let's ignite our passions to treat two of the most common and deadliest toxins known to man.

Put the Pedal to the Medal...

or Wait Just a Sec I Gotta Start an IV?!?!

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

The prehospital treatment of trauma has long been characterized by terms such as "load and go." The problem with high speed diesel therapy is that it de-emphasizes other things that can positively affect a patient outcome. While racing to the trauma center and trying to beat back the Golden Hour, Dr. Lawner will discuss ways in which EMS clinicians can make a difference in the care of critically injured trauma patients.

Continuing Care: Beyond the Initial Resuscitation

George J. Koenig, Jr, DO, NCEMSF President

This presentation will explore the continuum of care after patient arrival in the trauma bay. It will emphasize the critical role of EMS in selecting destinations, assessing injury severity, and providing prehospital care. We will delve into the trauma team's methodology for identifying injuries necessitating surgical intervention. Key discussion points will include initial management protocols, hemorrhage control techniques, and specialized interventions for solid organ injuries and chest trauma. Discover what occurs after care is handed over. *CE Code: 417I*

Panel: Careers in Emergency Management

Falkland

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 four representatives from emergency management from a variety of sectors: Joe Henderson (Director, Baltimore Office of Emergency Management), Erin Meyer (Director, Office of Emergency Management and Continuity, University of Maryland), Kate Murphy (Emergency Management and Preparedness Manager, Metropolitan Washington Airports Authority), and Jack Rubins (Philadelphia Office of Emergency Management and Muhlenberg '23). *CE Code: 417J*

Roundtable: The Pros and Cons of Social Media

Galena

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

Social media platforms have 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, NCEMSF leadership will facilitate discussion about responsible social media utilization for campus based EMS. *CE Code: 417K*

Skills: Ultrasound in EMS - FAST (Session 2)

Waterview D

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

This session will allow for hands-on practice of the FAST exam using portable hand-held ultrasound machines. *CE Code: 417L*

Skills: Wilderness Wounds Management

James

Joseph Kim, NREMT-P

Wilderness Wounds! Come learn how to stop the bleed, treat wounds and promote healing in a wilderness context. Hands on training and practice! *CE Code: 417M*

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

Harborside Foyer

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

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4:05 pm - 4:55 pm Workshop Session 10

Opiate Pharmacology:

Essex A-C

Pain Management, Drug Use, Overdose & Treatment

James Trainor, MS, EMT-CC

While opiates are commonly used medications both on the ambulance and in the hospital, they are not without risk of overdose and abuse. This lecture will take a deep dive into the pharmacology behind opioids, discussing the mechanism of action of opiates, as well as the implications of recognizing and treating opiate overdose. Additionally, we will learn about Opiate Use Disorder, an aspect of opiate use not commonly discussed in the EMT curriculum. Finally, we will cover the current medical treatment options for Opiate Use Disorder (MOUD) and discuss the implication of these treatments on management of patients with opiate overdose, focusing on the relationship between treatment options and their pharmacologic properties. *CE Code: 418A*

MARCH to a New Beat:

Kent A-C

Initial Trauma Assessment & Resuscitation

Jacob Miller, ACNP, ENP-C, CNS, NRP, FAEN

Most EMS and trauma courses still teach the "ABCD" approach to trauma assessment, despite evidence (in both medical and trauma literature) that "A" might not be the most important first step. This presentation introduces the "MARCH" mnemonic for primary trauma survey used in the military for over a decade and recently adopted in the 2022 National Model EMS Clinical Guidelines, as well as evidence-based interventions to mitigate imminent life threats identified during the MARCH survey. *CE Code: 418B*

Show Me The Money!

Laurel A-D

Funding a Campus Agency Beyond Your University Budget

Sheila Elliott, MS

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. 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.

Damage Control Surgery:

Harborside D

Identification and Stabilization of the Critically Ill

Ryan Desrochers, MD

In high acuity surgical patients, rapidly controlling the pathologic process is a critical part of initial management. Damage control surgery involves staging multiple operations to first address immediate life-threatening bleeding and contamination, followed by definitive closure at a later stage. Pre-hospital providers play a crucial role in identifying these critically ill patients and initiating resuscitation even before hospital arrival. This presentation will discuss the typical presentations of critically ill surgical patients, red flags to watch for during history-taking and examination, and how they are ultimately managed after reaching the emergency department. *CE Code: 418D*

H2-OW! From Shark Bites to Prop Chop and Beyond

Harborside E

Benjamin Abo, DO, EMT-P, WP-C, FAWM

Coming right to you from Shark Week/Nat Geo Wild's Medical Director Dr. Benjamin Abo, we are going to dive right into all water related traumatic injuries. We will discuss how no matter what type of body of water, be it the ocean or a river or a retention pond... they all present us with special considerations. *CE Code: 418E*

Catch and Release

Waterview A-C

Jason Oberoi, MAOL, CEN, TCRN, NRP and Connor Duda

We will present two instances where Virginia Tech Rescue effectively handled large-scale events that escalated into Mass Casualty Incidents (MCIs). These examples will illustrate how your response can avert strain on the local hospital system to allow it to maintain its operational capacity. *CE Code: 418F*

Roundtable: Engaging Your Alumni Network

Galena

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: 418G*

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Roundtable: Training

Heron

Laura Hanson, DO and Catherine Gibbs, RN, PHRN, NCEMSF Regional Coordinators

For this roundtable discussion, NCEMSF Leadership will moderate conversations addressing training issues on college campuses. Discussion will revolve around building an EMS training program that is effective, long lasting, and influential. Learn from each other how to develop curricula, train on-scene, and create a standardized training module. *CE Code: 418H*

Skills: 12 Lead EKG Interpretation

James

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

Many EMS agencies incorporate 12 lead ECG acquisition protocols for basic and advanced life support providers. Early identification of ST segment elevation myocardial infarction is associated with improved patient outcomes and reduced mortality. Hone your ECG interpretation skills through interactive and rapid fire ECG cases. *CE Code: 418I*

Skills: Prehospital Ultrasound

Waterview D

Tom Leith, MD

Building on the preceding lecture which covers the uses of ultrasound in EMS, this hands-on skills session will give EMTs and paramedics an opportunity to practice the FAST exam with a real ultrasound device. We will begin with a review of how to manipulate an ultrasound probe in order to obtain and refine ultrasonographic images, and will then cover the anatomic landmarks relating to the FAST exam. The bulk of the session will then be set aside for participants to gain and improve their skills as emergency ultrasonographers by performing a FAST exam themselves. If time permits, we may then cover additional use cases of point of care ultrasound, such as ultrasonography of the heart, lungs, kidneys, joints, and eyes. *CE Code: 418J*

5:00 pm - 6:00 pm *Major John P. Pryor, MD Memorial Lecture* *Harborside A-C* *Introduction*

George J. Koenig, Jr, DO, NCEMSF President

How to Leverage Your Skill Sets to Conquer Challenges

India White, EdD

Studies have shown that 67% of workers report stress and burnout have increased since the pandemic. Further, 76% of respondents in Mental Health American and FlexJobs study agreed that workplace stress affects their mental health. In efforts to support all respondents, this presentation will talk about skills that leaders can strengthen their skillset to conquer challenges. *CE Code: 419A*

6:00 pm - 7:00 pm *Leadership Presentation & Business Meeting* *Harborside A-c* *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* *Waterview*

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

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7:00 pm *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 36 or consult the Hotel Concierge.

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

10:00 pm - 2:00 am *NCEMSF Club and Casino* *Harborside A-C*

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

Join the rest of your fellow collegiate EMS providers and “gamble”, dance and sing the night away with our live DJs. Try your hand at beating the NCEMSF house at your favorite casino games including Black Jack, Poker, Craps, Roulette, etc...Prizes are available including a plethora of EMS supplies. No worries, there is no penalty for losing and no real money will be exchanged. Play risk free! At the end of the evening, cash your chips out for a chance at winning big.

The casino will close at 1:00 am, but the music 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 2024 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, 2024.** 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 101 universities (1,172 + 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
Bard College	8	NY	New York	BLS	QRS
Binghamton University	26	NY	New York	ALS	Ambulance Transport
Boston College	7	MA	Massachusetts	BLS	QRS
Brandeis University	16	MA	Massachusetts	BLS	QRS
Brigham Young University	6	UT	Central	BLS	QRS
Brown University	10	RI	Northeast	ALS	Ambulance Transport
Bryn Mawr and Haverford Colleges	1	PA	Pennsylvania	BLS	QRS
Bucknell University	6	PA	Pennsylvania	EDU	Education Only
Carnegie Mellon University	27	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	24	OH	Midwest	BLS	Ambulance Transport
Clarkson University	12	NY	New York	BLS	QRS
Colby College	3	ME	Northern New England	BLS	QRS
College of Charleston	4	SC	Southeast	ILS	Ambulance Transport
Colorado College	2	CO	Central	BLS	QRS
Columbia University	16	NY	New York	BLS	Ambulance Transport
Cornell University	17	NY	New York	BLS	QRS
Daemen University	3	NY	New York	BLS	QRS
Drexel University	16	PA	Pennsylvania	BLS	QRS
Duke University	5	NC	Southeast	BLS	QRS
Eastern Arizona College	5	AZ	Central	EDU	Education Only
Eckerd College	13	FL	Southeast	FR	QRS
Embry-Riddle Aeronautical University	17	FL	Southeast	BLS	QRS
Emory University	6	GA	Southeast	BLS	QRS
Florida Institute of Technology	4	FL	Southeast	BLS	Event Standby
Fordham University	13	NY	New York	BLS	Ambulance Transport
Georgetown University	19	DC	Mid Atlantic	BLS	Ambulance Transport
Georgia Institute of Technology	6	GA	Southeast	Startup	
Gettysburg College	9	PA	Pennsylvania	BLS	QRS
Harvard University	8	MA	Massachusetts	BLS	Event Standby
Hobart and William Smith Colleges	11	NY	New York	BLS	QRS
Illinois Institute of Technology	1	IL	North Central	BLS	QRS
John Carroll University	4	OH	Midwest	BLS	QRS
Johns Hopkins University	11	MD	Mid Atlantic	BLS	QRS
Lafayette College	5	PA	Pennsylvania	BLS	QRS
Lehigh University	5	PA	Pennsylvania	BLS	QRS
Macalester College	9	MN	North Central	BLS	QRS
Massachusetts Institute of Technology	15	MA	Massachusetts	BLS	Ambulance Transport
McGill University	16	ON	Canada	FR	QRS
McMaster University	28	ON	Canada	BLS	Non-Emergent Transport
Muhlenberg College	8	PA	Pennsylvania	BLS	QRS
Northeastern University	6	MA	Massachusetts	Startup	
Northwestern University	1	IL	North Central	Startup	
Norwich University	7	VT	Northern New England	BLS	Non-Emergent Transport
Quinnipiac University	10	CT	Northeast	BLS	QRS
Rensselaer Polytechnic Institute	13	NY	New York	BLS	Ambulance Transport
Rice University	7	TX	Central	ILS	QRS
Rochester Institute of Technology	24	NY	New York	BLS	Ambulance Transport
Rowan University	10	NJ	Northeast	BLS	Ambulance Transport
Sacred Heart University	7	CT	Northeast	BLS	QRS
Saint Anselm College	8	NH	Northern New England	BLS	QRS
Saint Michael's College	4	VT	Northern New England	ALS	Ambulance Transport

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
Saint Bonaventure University	9	NY	New York	BLS	QRS
St. Lawrence University	6	NY	New York	BLS	QRS
St. Olaf College	8	MN	North Central	BLS	QRS
SUNY Canton	7	NY	New York	BLS	QRS
SUNY Geneseo	4	NY	New York	BLS	QRS
SUNY Oneonta	10	NY	New York	BLS	QRS
SUNY Oswego	14	NY	New York	BLS	Ambulance Transport
SUNY Stonybrook	23	NY	New York	ALS	Ambulance Transport
Syracuse University	7	NY	New York	BLS	Ambulance Transport
Texas A&M University	12	TX	Central	ALS	Ambulance Transport
The George Washington University	28	DC	Mid Atlantic	BLS	Ambulance Transport
The University of Texas at Dallas	11	TX	Central	BLS	QRS
Tufts University	12	MA	Massachusetts	BLS	Non-Emergent Transport
Tulane University	13	LA	Central	BLS	Ambulance Transport
Union College	1	NY	New York	BLS	QRS
US Merchant Marine Academy	7	NY	New York	BLS	QRS
University at Albany NY	24	NY	New York	BLS	Ambulance Transport
University of Arizona	4	AZ	Central	BLS	QRS
University of California-Los Angeles	8	CA	West	BLS	Ambulance Transport
University of California-Riverside	4	CA	West	BLS	QRS
<i>University of Colorado at Boulder</i>	3	CO	Central	Startup	
University of Dayton	13	OH	Midwest	BLS	Ambulance Transport
University of Delaware	44	DE	Mid Atlantic	BLS	Ambulance Transport
<i>University of Denver</i>	5	CO	Central	BLS	QRS
University of Florida	8	FL	Southeast	BLS	QRS
University of Iowa	5	IA	North Central	EDU	Education
University of Maine	7	ME	Northern New England	ALS	Ambulance Transport
University of Massachusetts Amherst	33	MA	Massachusetts	BLS	Event Standby
University of Massachusetts Lowell	11	MA	Massachusetts	BLS	Non-Emergent Transport
University of New England	9	ME	Northern New England	BLS	QRS
University of New Hampshire	6	NH	Northern New England	ALS	Ambulance transport
University of N Carolina at Chapel Hill	7	NC	Southeast	BLS	QRS
University of Pennsylvania	26	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	22	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	25	RI	Northeast	BLS	Ambulance Transport
University of Richmond	6	VA	Mid Atlantic	BLS	QRS
University of Rochester	12	NY	New York	BLS	QRS
University of Texas at Austin	1	TX	Central	EDU	Event Standby
University of Vermont	12	VT	Northern New England	ALS	Ambulance Transport
University of Virginia	1	VA	Mid Atlantic	Startup	
<i>University of Washington</i>	2	WA	West	Startup	
University of Windsor	1	ON	Canada	BLS	QRS
Villanova University	20	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Military Institute	6	VA	Mid Atlantic	Startup	
Virginia Polytechnic Institute	12	VA	Mid Atlantic	ALS	Ambulance Transport
Washington University - St. Louis	8	MO	Central	BLS	QRS
Western Carolina University	6	NC	Southeast	BLS	Ambulance Transport
Yale University	4	CT	Northeast	BLS	Event Standby
York College of PA	9	PA	Pennsylvania	BLS	QRS

Italics: New Group Initiative

Bold: Milestone Anniversary

Conference Schedule - Sunday, February 25, 2024

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

8:00 am - 8:50 am *Workshop Session 11 - Young Alumni Series*
A Blueprint to Lead Grassroots Change Against Intersectional Ageism and Racism *Essex A-C*

Audrey Lam

The aging population in the U.S. is growing at an unprecedented rate, with all baby boomers projected soon to be over the age of 65. This demographic is twice as likely to utilize EMS compared to younger adults. Regardless of your future chosen specialty, interactions with older adults are inevitable. This presentation aims to empower you to emerge as a leader against intersectional ageism and racism, which can dampen the delivery of high-quality medical care to diverse, older adults. Explore the effects of aging on atypical symptom presentation and gain insights into practicing cultural humility. Discover the blueprint for initiating grassroots change through education, community and hospital engagement, and research. *CE Code: 511A*

Can We Fix It?: Rebuilding Your Agency *Kent A-C*

Stephen DeMaio, NRAEMT

Whether it is turnover of providers, change in school leadership, or new protocols and care in EMS, the College EMS field is constantly changing. Sometimes, that change takes a turn for the worse, and when you take over, you are left to rebuild trust, staff, and protocols within your department. Building back the reputation and trust needed to run a college EMS service can take time and effort. It starts with having the right people doing the right thing, and the work and progress doesn't happen overnight. Through rewritten standard operating guidelines, working with school officials, and branding the department to raise trust and awareness, this lecture will focus on the metrics used and ways that Norwich University EMS was able to rebuild and grow their department both on and off campus. *CE Code: 511B*

Treating Mental Health in the Field of EMS *Laurel A-D*

Emma Roden, CTRS

Awareness and prevalence of mental health issues have steadily increased. This lecture will thoroughly examine mental health within both the college environment and the broader community. Emphasizing the universality of human experiences, we will explore strategies for effectively treating individuals with these diagnoses. By enhancing our understanding, we aim to optimize outcomes for our patients. *CE Code: 511C*

LGBT+ Care in EMS *Harborside A*

Delaney Kenyon

LGBT+ patients have had and will always have emergencies, and EMTs and paramedics will always be essential in their treatment. Most EMTs and paramedics, however, have not been properly trained on how to appropriately and respectfully assess queer and gender-diverse patients, which has led to significant disparities in care and community distrust. How should you ask a patient about anatomy? How should you document it? How can you ask the questions you need to ask to help this patient while being respectful? Learn what the difference is between biological sex and gender, how it applies to patient care, and what we can do as providers to help these patients feel safe, cared for, and affirmed when they call 911. *CE Code: 511D*

Kids on Campus? Treating Pediatrics for the Collegiate Provider *Harborside B*

Ari Sanders, CCEMT-P

As collegiate providers, we often become accustomed to treating a specific patient demographic and may have limited exposure to other populations. This lecture aims to help prepare collegiate providers with the necessary skills to effectively care for children who may become ill or sustain injuries on campus. Geared towards both Basic Life Support (BLS) and Advanced Life Support (ALS) providers, this course will delve into general pediatric assessment techniques and provide valuable insights for managing cases involving burns, hazmat exposure, and respiratory diseases in pediatric patients. *CE Code: 511E*

Call It or Not?: An MCI Case Study *Harborside D*

Harrison Leinweber, MS, NRP

Arriving first on scene to a large-scale EMS incident is stressful, nerve-wracking, and often confusing. One of the hardest questions to answer is, "Is this an MCI?" Whether you are a sole EMT, a transporting ambulance crew, or a supervisor, actions you take as the first arriving medical unit can positively affect the outcome of the incident. Using a residential structure fire as a case study, this lecture will explore the definition for MCIs, considerations for first-arriving responders, and EMS operations at expanded incidents. *CE Code: 511F*

Tips and Tricks for Top-Notch Training *Harborside E*

Liam Knight, NRP

At some point in our EMS careers, we have all attended a terrible training. Bland presentations, monotone speakers, and poorly planned events turn seconds to hours and make us wish our water bottle was filled with coffee. These terrible trainings fail to capture one of the 3E's of training; they're not educational, not engaging, and/or not essential. As a result, the training is ineffective and unenjoyable. Learn how to hone the training needs of your agency into specific and Essential goals, how to utilize the most Engaging training format, and how to ensure the Educational content is retained by participants. *CE Code: 511G*

Conference Schedule - Sunday, February 25, 2024

Roundtable: Startup

Galena

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: 513H*

8:00 am - 12:00 pm Mini-Course

THE ABC's of MCIs: A Table Top Experience

Waterview A

Gary Hecker, RN, CCRN, EMT-CC, CIC, NHDP-BC and Becky Valentine, EMT-P

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 4 HOURS.

9:00 am - 9:50 am Workshop Session 12

Pioneering Your Path In Medicine: The Value of EMS Experience Essex A-C

Cassandra Crouse, NRP, FP-C and Lucas Rappert, MS, NCEMS Regional Coordinator

The available paths into medicine are unique as a fingerprint, and the so-called "non-traditional" student is becoming more ubiquitous amongst the cohorts of students in medical school today. With the increased number of non-traditional students applying to medical school, those who prefer a more traditional route to medical school will require unique ways to stand out amongst individuals coming in with a greater number of life experiences. This also applies to those who elect to enter the medical field workforce following graduation. In this interactive presentation, two current medical students hope to inspire attendees to pursue their passion in medicine. Do you aspire to be a clinician after college? Educator? Leader? If the answer is YES, join us to discuss the value of EMS experience on future careers and how YOU can make a lasting impact on the next generation of learners. Learn how to leverage your EMS experience to get the career, education, or position you strive for! *CE Code: 512A*

Retention in EMS: Culture, Burnout, and Leadership

Kent A-C

Emily Locke, NREMT

Retention in EMS continues to be a challenge for a variety of reasons, many of which are beyond our immediate control. However, as providers, it's crucial to identify and address the factors within our influence to improve retention rates. This lecture will explore the reasons why providers leave EMS, focusing on elements such as organizational culture, burnout, and leadership. The objective is to empower individuals to enact positive changes in their own attitudes, in how they interact with others, and within their organizations, ultimately fostering a more supportive environment in EMS agencies. Participants will gain valuable insights into shaping agency culture, combating burnout, and enhancing self-perception. Furthermore, they'll recognize their roles as leaders within their agencies and learn actionable strategies, particularly utilizing a coaching leadership style, to make a meaningful impact on their EMS community. By acknowledging their leadership influence and fostering a sense of belonging and support, both for themselves and their peers, participants will contribute to increased job satisfaction and, ultimately, greater retention in EMS. *CE Code: 512B*

When Athletes Collapse: CPR on the Sports Field

Laurel A-D

Yoni Litwok, MD, NCEMS Treasurer

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: 512L*

Detecting Doses of Danger:

Harborside A

Toxicology Cases and Collegiate EMS Approach

David Gordon, EDAC

From deciphering dorm mysteries to outsmarting sneaky substances, this interactive session will dive into multiple real-life scenarios encountered on a college campus, complicated by key clinical correlations from a patient's history that you uncover in your field assessment. Relevant physical exam findings, key pieces of information to obtain from bystanders, and scene survey components that affect your impression of a patient with substance exposure will be reviewed. In addition to alcohol overdose, this talk covers other substances where recognition by the collegiate EMS provider can affect a patient's course of care on scene and in the ED. You'll be challenged to take your decoding of common drug exposures a step further and develop your plan for prehospital management. Principles of toxicology assessment and management for EMS will be identified, enhancing a provider's approach to managing overdose and chemical emergencies on campus. *CE Code: 512C*

Conference Schedule - Sunday, February 25, 2024

The Initial Obstetric Exam

Harborside B

Jay Rodriguez, NRP

LMP, EDD, EGA, and who the heck is Naegele? Do you know the language of obstetrics? Giving a concise and technically accurate report is a hallmark of any EMS call. However when your patient is pregnant it is surprisingly easy for technical accuracy and terminology to go right out the window. Come learn the terminology and basic assessments needed to not only properly assess your pregnant patient but also give a technically accurate report utilizing terminology even the newest L&D nurse will understand! *CE Code: 512E*

Intervening Against Impending Doom

Harborside D

Sarah Hargett, NREMT

Traumatic injuries are a leading cause of death in the prehospital timeframe, with uncontrolled hemorrhage, neurotrauma, and asphyxia as the predominant culprits. This talk will explore the epidemiology of prehospital deaths, the causes of these deaths, and clinical signs that warn of the patient's impending doom. We will further explore interventions available to BLS and ALS providers, as well as research that aims to change the outlook for these patients' survival. *CE Code: 512F*

EMTs as Advocates: Building a Toolkit for Creating Change

Harborside E

Anjali Misra, MPH

Advocacy acts in EMS can range from individual or interpersonal to creating change on organizational, regional, and national levels. As team players and creative thinkers, EMTs are well suited to design and carry out interventions that can contribute to more safe and equitable patient care. In emergency response environments, complex decision-making is prone to influence by our implicit biases and reliance on heuristics. These factors can contribute to cognitive errors, leading to incorrect primary impressions or otherwise suboptimal patient care, and represent potential targets for advocacy efforts. This session will be led by Anjali Misra, MPH, an alum of MIT EMS and a student at Harvard Medical School, who has designed workshops piloted with MIT EMS to explore the topics of bias, clinical reasoning, and advocacy. During this interactive workshop, participants will learn a framework to understand the relationship between implicit bias and cognitive errors and explore the power of individual, organizational, and national-level advocacy actions to address issues of bias in EMS. Participants will leave with a toolkit to design their own advocacy projects, including ideas for initial steps to hit the ground running. *CE Code: 512G*

Roundtable: Administrator/Advisor/Medical Director

Galena

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

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: 512H*

Roundtable: Let's Talk About Sex:

Waterview B

How to Take a Patient-Centered, Trauma-Responsive Sexual History

Eric Garrison, MAEd, MSc

Whether for your current role in collegiate EMS or later as a healthcare provider, this hands-on workshop will teach you the requisite skills to acquire a useful sexual history from even the shyest of patients. Having earned the nickname at the University of London as the "Sherlock Holmes of Sexual History Taking," Eric has provided this training from the CDC to Oxford University to Johns Hopkins School of Medicine - and to countless medical and nursing schools, STI clinics, student health centers, and hospitals in between. *CE Code: 512I*

Skills: Hemorrhage Control - Beyond Stop the Bleed

Waterview C

Jeffrey Huggins, NRP and Mustafa Sidik, NRP

EMS clinicians show up on a citizen's worst day expected to calm the chaos. According to the National Trauma Institute, a traumatic injury, hemorrhage, or major loss of blood, is responsible for over 35 percent of pre-hospital deaths and over 40 percent of deaths that occur within the first 24 hours. This training session will give you a hands-on opportunity to learn proper hemorrhage control techniques - from tourniquets, to hemostatic agents, to wound packing. We'll cover the current research on hemorrhage control, and how we can use evidence based medicine to do right by our patients. *CE Code: 512J*

Skills: Penetrating Trauma on Campus

Waterview D

A High Fidelity Patient Simulation Lab (Session 1)

Benjamin Neustein, MAT, EMT-P, CHSOS

Penetrating trauma on campus is, thankfully, rare. But if it happens, being well trained and quick to act can save lives and limbs. This session will help you be prepared for managing penetrating trauma on campus in a hands-on approach using a high fidelity simulator. And yes, the Sim Man 3G actually blinks, breathes, and bleeds. You will assume team roles and actively assess and manage the patient. After the simulation, we will debrief to review lessons learned to improve our knowledge and skills. *CE Code: 512K*

Conference Schedule - Sunday, February 25, 2024

10:00 am - 10:50 pm Workshop Session 13

Breaking the Silence:

Essex A-C

Equipping EMS in Mental Health Response

Claire Shaver

EMS providers are given the tools to assess and treat injured and ill patients but often the tools to effectively respond to patients in behavioral health crisis. These critical skills are often left out of textbooks and classroom lectures. We know that 73% of college students experience some sort of mental health crisis during their college years (Clay Center for Young Health Minds, 2023). This puts colligate EMS on the frontlines of behavioral health crisis response. This training will introduce participants to trauma informed care, basic verbal de-escalation techniques, and common mental health diagnoses with the goal to provide the groundwork for EMS providers to understand to recognize, treat, and respond appropriately to behavioral health crises. *CE Code: 513A*

Patient-Centered Communication in EMS:

Kent A-C

Becoming a Listener, Translator and Patient Advocate

Liya Geller

Over recent years, patient-centered care has gained significant traction in medicine, and for good reason: it fosters trust. When patients feel comfortable to share their true concerns, providers can better understand and address their needs. Unfortunately, there is a lack of literature addressing patient-centered care in prehospital care. By employing patient-centered communication skills in EMS, patients may feel more comfortable to share critical, life-threatening medical information. Collegiate first responders can establish trust with their university community and create an environment where patients will not be afraid to call for help again in the future. In this session, we will explore how to incorporate patient-centered communication, or PCC, in EMS without hindering the delivery of lifesaving intervention. Attendees will gain a stronger understanding on how to establish trust, better inform and create safe spaces for patients through active listening, translating medical "jargon" and patient advocacy. We will also discuss integrating PCC into squad training sessions, and how you can empower fellow squad members to exercise PCC, even without holding a formalized trainer or leadership position. Stop by with a friend, I'm excited to share my experiences and connect! *CE Code: 513B*

Under the Microscope and Through the Telescope:

Laurel A-D

How Internal and External Perceptions of Your Agency

Affect Your Ability to Get Things Done

Ryan Klimkewicz and Liam Knight, NREMT-P

The culture of an agency is indispensable for its longevity and achievements. Every member desires to belong to an agency that appreciates their contributions and unique attributes. It's imperative for agency leaders to acknowledge the importance of investing in their members' growth and development. This discussion will offer insights into leadership theory alongside practical examples illustrating strategies to enhance the agency's reputation both internally and externally. *CE Code: 513C*

Racial Bias in EMS: Assessment Tools to Reduce Disparity

Harborside A

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: 513D*

Terrestrial Envenomation

Harborside B

Benjamin Abo, DO, EMT-P, WP-C, FAWM

Most textbooks and protocols are glaringly not up to date. Let's revisit proper snake envenomation care from our NCEMSF EMS Toxinologist & wildlife expert. We will discuss the latest and greatest envenomation care and prehospital care for US domestic snakes as well as recent cases of exotic species envenomations from around the US. *CE Code: 513E*

Pulmonary Embolism: Master the Silent Killer

Harborside D

Trevor Thomas, PA-C

Acute pulmonary embolism is responsible for the death of 100,000 Americans every year and is one of the major causes of sudden cardiac death. Even when recognized and treated, mortality remains high. Together we will discuss recognition and management of pulmonary embolism in the field, while also diving into some of the pathophysiology, treatments, and diagnostics that are used in the ED and intensive care unit. *CE Code: 513F*

Conference Schedule - Sunday, February 25, 2024

V/Q Bushido: Becoming an ETCO₂ Samurai

Harborside E

Jeffrey Bilyk, ACP(f), NCEMSF EMS Week Coordinator

With sidestream ETCO₂ becoming more "mainstream" in prehospital care, clinicians have an excellent tool at their disposal. Its capabilities however go well beyond simple monitoring of respiratory conditions. After a short review of physiology, we will delve into the latest research both in hospital and prehospital with respects to cardiac arrest, trauma, DKA and more. As with any weapon it's strength lies in the knowledge of it's capabilities and usage, and by the end of this lecture providers will have a distinct "edge" and embrace this underused diagnostic tool. **CE Code: 513G**

Skills: Management Of Aggressive Behaviors (MOAB)

Waterview C

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 session will set you on the patio success for these difficult encounters. You will learn how to more safely approach, speak to and de-escalate anxious, angry and potentially violent patients. Be ready for hands-on participation and experience. **CE Code: 513I**

Skills: Penetrating Trauma on Campus

Waterview D

A High Fidelity Patient Simulation Lab (Session 2)

Benjamin Neustein, MAT, EMT-P, CHSOS

CE Code: 513J

11:00 am - 11:50 pm Workshop Session 14

Prepare for the Emergency!

Essex A-C

Amanda Delaney, RN, EMT-P

Think about the last bad call you went on... What went well? What could you have improved? Were there any surprises or difficulties you didn't expect to encounter? During this discussion let's unpack the scenario where preparing for the worst, but hoping for the best is the key to a smooth call every time. If you prepare for the emergency it will cease to exist. **CE Code: 514A**

Changing Protocols and SOPs in Collegiate EMS

Kent A-C

Jack Childs and Jack Dunn

When was the last time your agency revised your standard operating procedures (SOPs) or protocols and why do they matter? As a collegiate EMS leader you may have one or maybe two years to affect change within your agency and revising protocols or SOPs may not be where you want to focus your efforts. On the other hand, ensuring that these documents are relevant and adequate and actually reflective of the ways in which your agency operates on a daily basis is one of the most important responsibilities of being a leader in the EMS field. This process can be complicated by the realities of collegiate EMS and our protocols and SOPs must be formatted such that they recognize the population we serve but also align with the latest evidence-based standards for EMS. This presentation will highlight the importance of revising SOPs and protocols and the process for doing so through an in-depth look at the process GERMS went through in modernizing its operations following COVID-19. Additionally, we will briefly touch on the legal implications of these documents and how, when properly drafted and implemented, they can decrease the chances of liability in the extremely litigious and regulated healthcare field. **CE Code: 514B**

Cultivating Ideas:

Harborside A

Applying Intrapreneurship to Advance Your Organization

David Gordon, EDAC and Sarah Wenyon, MS

Join us for an exciting exploration into the world of "intrapreneurship" in this dynamic, interactive session. Intrapreneurship, the entrepreneurial mindset within an established organization, catalyzes innovation, driving positive change and responsiveness within your ever-evolving EMS organizations. Whether refining a protocol, trialing a new idea, or assessing the value between multiple options, this mindset can enhance how a team operates. Through engaging discussions, real-world case studies, and interactive activities, participants will discover how to identify and cultivate intrapreneurial mindsets within their teams. This session applies lessons learned from business and industry to inspire and equip attendees to be intrapreneurs within any organization. **CE Code: 514D**

Blunt, Penetrating or Both?

Harborside B

Hendrik Bilek, RN, PHRN and Benjamin Lawner, DO, MS, EMT-P, FACEP

What came first, the chicken or the egg? Maybe both! Join us as we examine a specific trauma case from start to finish that made everyone fire on all cylinders right down the street from here. We will discuss the impact of effective prehospital trauma care by Baltimore EMS and how it transferred to the R Adams Cowley Shock Trauma Center. This interactive case study will immerse you in the care and leave you looking at trauma in a whole new way. **CE Code: 514E**

Conference Schedule - Sunday, February 25, 2024

Getting Ahead: Understanding, Recognizing, and Treating TBI *Harborside D* *Katherine Koontz*

Traumatic brain injury (TBI) poses a significant threat to both life and well-being, encompassing a range of physical, mental, and cognitive challenges. While many TBIs are categorized as mild, such as those seen in sports-related concussions, they can still have substantial impacts on daily functioning. EMS providers play a crucial role in influencing patient outcomes, especially in the context of such injuries. Therefore, it's imperative to accurately identify and treat TBIs based on their severity to minimize mortality and disability. This presentation is designed to benefit EMS providers at all levels of expertise. It will commence with an exploration of cerebral perfusion, intracranial pressure, and the body's natural mechanisms for maintaining equilibrium. Subsequently, the focus will shift to the mechanisms of primary brain injury, followed by an examination of the causes and potentially devastating consequences of secondary brain injury. Key assessment parameters and clinical presentations will be discussed, leading into critical emergency care interventions and procedures. *CE Code: 514F*

Disability Inclusion in Emergency Preparedness and Response *Harborside E* *Margaret Nilz, MPH, CPH, NREMT*

Research indicates that individuals with disabilities are disproportionately affected by disasters and emergencies, including the COVID-19 pandemic. Margaret Nilz, from the Association of State and Territorial Health Officials (ASTHO), will provide an overview of principles regarding disability inclusion in preparedness and emergency response. Key topics covered include an introduction to disability inclusion within EMS, insights derived from lived experiences to address the needs of individuals with disabilities, strategies for connecting with and collaborating with the disability community, ongoing initiatives for promoting disability inclusion in preparedness and emergency medicine, the significance of electronic medical records in supporting the disability community through data, and available resources and opportunities for partnerships. Throughout the presentation, participants will have opportunities to engage actively and reflect on how the newfound knowledge may influence their efforts in addressing the healthcare needs of their communities. By the end of the session, attendees will gain insights on engaging with the disability community, improving connections with patients with disabilities, and understanding the impact of their work in EMS on individuals with disabilities during emergencies. *CE Code: 514G*

Roundtable: Emergency Management *Galena* *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: 514H*

Skills: Efficient & Effective - Mastering MCI Response & Triage *Waterview C* *Kyle Kendall, RN and Jamla Rizek, MBA, MSN, RN, CEN, CPEN, NHDP-BC, NRP*

In the dynamic landscape of Emergency Medical Services (EMS), effective response to Mass Casualty Incidents (MCIs) is paramount. This presentation aims to equip EMS providers with the knowledge and skills necessary to navigate the complexities of MCIs, with a specific focus on efficient incident command systems, and precise patient triage methodologies. The presentation will commence with a detailed exploration of the Incident Command System (ICS) principles tailored to MCIs. Participants will gain a comprehensive understanding of the roles and responsibilities within ICS, fostering improved coordination and communication among EMS teams during high-stakes situations. Real-world case studies and interactive simulations will be employed to ensure a clear grasp of how to apply ICS principles in diverse MCI scenarios. We will delve into the art and science of patient triage during MCIs and crucial aspect of inter-agency collaboration and communication. Attendees will be provided with practical tools and strategies to enhance communication with other emergency response agencies, promoting a cohesive and well-coordinated approach to MCI response. Through practical, hands-on exercises, EMS providers will refine their skills in rapid patient assessment and prioritization. Emphasis will be placed on the implementation of standardized triage methods, ensuring measurable improvements in assessment speed and accuracy. *CE Code: 514C*

12:00 pm - 12:30 pm Conference Wrap-Up *Harborside A*

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*. See you next year in Pittsburgh.

Baltimore, MD - Welcome to Charm City!

For those spending some extra time in Baltimore, either pre- or post-conference, below are a few of the many attractions in and around the city - for more ideas visit: <https://baltimore.org>

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

Little Italy - Immediately east of downtown is Little Italy known now for its many amazing restaurants and dessert establishments in a 12 square block area. It is within walking distance from Fell's Point, Camden Yards, and the Inner Harbor. Borders include Pratt St. to the north, Eden St. to the east, the Jones Falls Bulkhead to the west, and the Inner Harbor to the south.

Fell's Point - Just past Little Italy is Fell's Point, a historic waterfront community once the chief Colonial shipbuilding center that is now known for its craft and antique shops, coffeehouses, restaurants, great pubs, and nightlife. Fell's Point is bounded by Gough St. to the north, Caroline and Chester Sts. to the west and east, respectively, and the Chesapeake Bay to the south.

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

Getting Around Baltimore / Important Contact Information

If you drove to the conference, we recommend parking and leaving your vehicle until you are ready to depart. Driving around and parking in Baltimore can be confusing and costly. We strongly recommend walking, using a rideshare app, or utilizing public transportation. (NOTE: Valet parking at the Marriott Waterfront is \$46 per day).

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

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

Host Facility:

Marriott Waterfront Hotel (410) 385-3000
700 Aliceanna Street, Baltimore, MD 21202

Map of the Inner Harbor



Lunch and Dinner Options

After a full morning, take a break to refuel, but hurry back because the afternoon is even more jam packed! With an hour for lunch, consider one of the several sandwich and pizza shops in and around the hotel such as the Harbor East Delicatessen and Pizzeria just 0.1 miles up Aliceanna Street. There is also a Whole Foods Market with its food court just around the corner. The hotel restaurant - apropos, is also available. There are plenty of options to fit any appetite and budget.

For dinner, we encourage you to venture out of the hotel and grab a bite. Try one of the many restaurants in and around the Inner Harbor, Little Italy or Fells Point. Experience the night life at PowerPlant Live. Wherever and whatever you choose for dinner, make certain to return to the Marriott and join the party at the **NCMSF Club & Casino!**

NEARBY DINING (from hotel website)

- *McCormick and Schmick's Seafood and Steaks*
- *La Scala*
- *The Oceanaire Seafood Room*
- *The Capital Grille*
- *Harbor East Deli*
- *Slainte Irish Pub and Restaurant*
- *Keystone Corner Baltimore*
- *Charleston Restaurant*



The Best Places to Eat in Baltimore:

Here are Food Network's essential eats.

"Crab cakes and football—that's what Maryland does!"

Pit Beet:	Pioneer Pit Beef
Iconic Spot:	Woodberry Kitchen
Seafood:	Jimmy's Famous Seafood
Brunch:	Ale Mary's
Pizza:	Matthew's Pizza
Coffee:	Artifact Coffee
Sandwiches:	DiPasquale's
Local Seafood:	Dylan's Oyster Cellar
Splurge:	Charleston
Patio:	The Casseur
Wood-Fired Pizza:	Paulie Gee's
Food and Fun:	Crabtowne USA
Burger:	Abbey Burger Bistro
Kid-Friendly:	Breaking Bread
Vegan/Vegetarian:	Red Emma's
Baked Goods:	Dovecote
Happy Hour:	Bar Clavel
Modern Asian:	Ekiben
Local Hang:	Idle Hour
Korean:	Hanoori Town
Mexican:	Michelle's Café
Roving Eats:	Blacksauce Kitchen
Brewery:	Union Craft Brewing
Spanish:	La Cuchara
Hot Spot:	The Food Market
Late Night:	Papermoon Diner
Beer Bar:	Wet City
Barbecue:	Smoke
Cocktails:	The Bluebird Cocktail Room
Food Hall:	R. House
Ice Cream:	The Charmery
Wine Shop:	Remington Wine Company



Coming Early? Staying Late?

For those spending some extra time in Baltimore either pre- or post-conference below are a few of the attractions in and around the city.

EMS Points of Interest:

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

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

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

Brief History of Baltimore City Fire Department:

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

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

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

Historical Sites:

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

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

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

Museums:

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

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

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

Maryland Science Center and Imax Theater - Exhibits include *Dinosaur Mysteries*, *Math in Nature*, Newton's Alley, Power Up, Science Aglow and SpaceLink. Current Imax features include *Deep Sky*, *Flight of the Butterflies 3D*, *Great Bear Rainforest*, *Sea Lions: Life By a Whisker*, *Secrets of the Sea 3D* and *Jane Goodall's Reasons for Hope*. 601 Light St; (410) 685-5225

The National Aquarium in Baltimore - Exhibits include *Living Seashore*, *Atlantic Coral Reef*, *Upland Tropical Rain Forest*, *Waterfront Park*, *Shark Alley*, *Dolphin Discovery* and *Jellies Invasion*. Pier 3, 501 E. Pratt St; (410) 576-3800

Presenter Bios

Benjamin Abo, DO, EMT-P, WP-C, FAWM

Dr. Abo is an EMS/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 active 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, as well as Southwest Florida USAR Florida Task Force 6. He has experienced EMS and emergency medicine around the globe with a number of philanthropic ventures, consulting, and serving as medical director & 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 & 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 & 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 & serves as hon medical director of the Surfers Medical Association & board member of the Reptile Preservation Institute and Rattlesnake Conservatory.

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

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 Tunicum 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.

Jeff Bruggeman

Jeff Bruggeman has been a full-time career Firefighter/Paramedic since 1992. He is currently a captain (shift commander). His involvement in the Fire/EMS service began 36 years ago as a Crash/Rescue specialist in the US Air Force. Jeff is the owner/instructor of a private, contracted EMS/Fire education company that provides the University of Dayton's annual EMT class. Jeff has been the primary instructor for the last 11 of the 14 years his company has taught the UDayton EMT course.

Koralia Burz, MS

Kori brings over a decade of impactful leadership experience as the Chief Operating Officer (COO) of an esteemed training organization, Kori orchestrated a paradigm shift towards a human-centered environment. Her leadership ethos centered around fostering unity through embracing difficult conversations and offering feedback with honesty, fairness, and empathy. Throughout her tenure, Kori's transformative approach resulted in a remarkable retention rate. Her neurodivergent perspective serves as her guiding compass, allowing her to navigate and innovate within intricate team

dynamics. Kori firmly believes that understanding people is the essence of successful business interactions. Her profound philosophy, "We're all in the business of people; if you don't 'know' people, you don't know business," underpins her leadership style. Eager to share her insights and practical strategies, Kori aims to empower other organizations, particularly collegiate EMS, by revolutionizing training and communication practices. Her commitment to cultivating inclusive, authentic environments within EMS settings reflects her passion for fostering thriving and cohesive teams. Kori's expertise, rooted in hands-on leadership and a commitment to inclusivity, positions her as a guiding force in redefining training paradigms and nurturing impactful communication strategies within EMS.

William Cebulskie, MSMEd, NRP

William attended Penn State University where he completed a Bachelor's of Science degree in Biobehavioral Health and minored in Biology. William has also earned a Masters of Science in Medical Education from the Lake Erie College of Osteopathic Medicine which included a successful thesis completion focusing on EMS Education in Emergency Medicine Residency Programs. William is also near completion of a second Master's Degree in Medical Science with a Physiology and Pharmacology Concentration at the University of Florida, College of Medicine. As a current and active Paramedic, William is the EMS Service Manager at Pleasant Gap Fire Company. William is also an active EMS educator teaching in both certification and continuing education programs. Lastly, William is a Pediatric Emergency Care Coordinator and an EMS researcher currently studying Pediatric Field Termination of Resuscitation.

Jack Childs

Jack embarked on his journey in EMS by enrolling in an EMT class at the age of 15, becoming a certified EMT at 16. Throughout his formative years, Jack dedicated himself to volunteering at Greenwich EMS, serving on ALS ambulances and leading the Greenwich EMS Explorer Post as its president. Even after graduating from high school, Jack remained actively involved as a per-diem EMT and Explorer Post Advisor at Greenwich EMS. Jack continued his involvement in EMS by joining Georgetown EMS. Despite the challenges posed by the COVID-19 pandemic, Jack persevered, playing a pivotal role in the organization's reopening in September 2021 as a crew chief and driver. His dedication and leadership qualities were further recognized as he assumed various roles within the agency, including Director of Safety, Treasurer, and ultimately as Captain in March 2022. As Captain, Jack led Georgetown EMS with distinction, overseeing a comprehensive overhaul of protocols, standard operating procedures, and fostering collaborations with DC Fire & EMS and other public safety entities on campus. Graduating from Georgetown with a major in healthcare management and policy, Jack now serves as a quality improvement analyst for DC Fire & EMS in the Office of the Medical Director. In this capacity, he utilizes data analytics to enhance the clinical performance of the agency across various domains, from trauma care to mobile integrated healthcare teams. Jack will be starting medical school in the Fall of 2024.

Cassandra Crouse, BS, NRP, FP-C

Cassandra is a 2021 graduate from the University of Pittsburgh with a B.S. in Emergency Medicine. She lives in Blacksburg, VA, and is a first-year medical student at VCOM-Virginia. In her free time, Cassandra works in her hometown as a paramedic in rural, north-central Pennsylvania. She is also an IBSC-certified flight paramedic. Cassandra has experience in critical care EMS, ACLS/paramedic education, and as a paramedic in a level II trauma center. Cassandra has a special interest in women's health, critical care, and rural medicine.

Jena Curtis, EdD

Jena Nicols Curtis is a Professor of Health. She received her Ed.D. in Health Education from Teachers College Columbia University in 2005. She has been faculty advisor for SUNY Cortland EMS for the past 15 years. She conducts research on collegiate mental health and wellbeing, sexual violence prevention, and health equity.

Presenter Bios

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.

Amanda Delaney, RN, EMT-P

Amanda began as an EMT in 2006 and quickly worked her way up to become a paramedic in 2008. Shortly thereafter she gained her certification as a CC-EMT-P and specialized in critical care ground transportation for a busy commercial agency. In 2018 she graduated from SUNY Adirondack as a registered nurse and has worked many critical care areas including intensive care and the emergency department. Amanda's passion is improving the relationship between EMS and nursing, while actively educating paramedic students in her department. Amanda maintains her dual certification by riding regularly as a paramedic and working in the emergency department.

Stephen DeMaio, NRAEMT

Stephen DeMaio completed his Bachelor's degree in Mechanical Engineering at Norwich University in 2023. Throughout his five-year tenure at Norwich, he dedicated himself to Norwich University Emergency Medical Services (NUEMS), progressing from an uncertified member to the position of Captain. In his role as Captain, he spearheaded efforts to revitalize and restructure NUEMS, restoring trust with stakeholders. This involved updating Standard Operating Guidelines and Protocols to align with contemporary practices, as well as defining roles and responsibilities within the department.

Ryan Desrochers, MD

Ryan is a 4th year General Surgery resident at the University of Connecticut with a goal of continuing his education through Trauma and Critical Care fellowship. He completed medical school at Brown University, and was a former EMT-B at UMass Amherst including acting as a Division Chief of UMass EMS. His interests and research have focused on trauma and critical care as well as medical education.

James Dlutowski, BS, NRP

James began his EMS career in high school just north of Pittsburgh in 10th grade. Once certified, he joined the Seville Volunteer Fire Company. He was accepted to the University of Alaska, Fairbanks where he studied biochemistry and attended paramedic class at night while volunteering with the campus and local Fire/EMS agencies. After graduating, he returned to the Pittsburgh area and has worked in field, teaching and management positions throughout the region. Today, he is a District Chief for Pittsburgh EMS and offers private training, certification and consultation services.

Connor Duda

Connor is a Life Member of Virginia Tech Rescue Squad.

Jack Dunn

Jack Dunn grew up in Old Saybrook, CT and began volunteering at his local volunteer fire department at 15. He took an EMT class when he was 15 and became an EMT at 16 working in multiple agencies around his hometown. Jack attended Georgetown University and became a member of Georgetown EMS (GERMS), eventually obtaining the rank of crew chief and driver. Additionally, Jack served as the Director of Personnel and later as the Vice President of Operations for GERMS. As Director of Personnel, Jack oversaw the licensure and paperwork database of GERMS EMTs, and represented GERMS and Georgetown University during Department of Health inspections. As Vice President of Operations, Jack oversaw the day-to-day operations of the agency and implemented many changes that modernized GERMS's operations. Jack graduated from Georgetown with a bachelor's degree in government and history and is now a first year law student at Boston University School of Law, concentrating in health-law. Jack continues to work in EMS as a part-time firefighter and EMT in the town of Sherborn, MA.

Sheila Elliott, MS

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 23, Ethan & Colby 20).

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.

Samuel Galvagno, DO, PhD, MBA, FCCM

Dr. Sam Galvagno is a Tenured Professor and the Interim Chair at the University of Maryland School of Medicine in the Department of Anesthesiology. Dr. Galvagno is board-certified in anesthesiology (ABA), critical care medicine (ABA), neurocritical care (ABA/ABPN), emergency medical services (ABEM) and public health (NBPHE). He has served for over 26 years in the U.S. Air Force and remains active in a general officer position as the Mobilization Assistant for the Command Surgeon, Air Combat Command, Joint Base Langley-Eustis, VA. Dr. Galvagno has authored over 190 peer-reviewed papers as well as numerous books and book chapters. His primary research interest is aeromedical critical care. Dr. Galvagno began his EMS career as a National Ski Patrolter, then served as an EMT-B and paramedic in New York and Maryland while attending college. He remains very active with EMS, assisting with the Maryland State Police Aviation Command, and serving as an Assistant Medical Director for Anne Arundel Country Fire Department.

Eric Garrison, MAEd, MSc

This year marks Eric's 36th year of Title IX work and his 21st 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 here at the conference!

Liya Geller

Liya is a recent graduate from the University of Guelph, located in Ontario Canada. Prior to getting involved in EMS, Liya was heavily involved in Aquatic safety and leadership. Over six years, Liya worked as a lifeguard, aquatic team lead and supervisor, lifeguard instructor, head lifeguard and finally, an Area Supervisor for the largest amusement park in Canada. As an Area Supervisor, she oversaw waterpark operation, which had up to 30,000+ visitors per day. She overhauled and led lifeguard and supervisory training programs for 200+ lifeguards

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and 24 supervisory staff. From her time in aquatics, she developed an interest in first response, and recognized that she could use her position to empower others and facilitate change, even outside of her formalized trainer roles. From 2020-2023, she volunteered for her university's 24/7 emergency medical service, and became 1 of 13 team supervisors. Liya has an interest in building strong patient connections. Despite not being in a formalized trainer role, she used her position to encourage other volunteers to prioritize patient-centered care. Liya hopes to continue a career in medicine working with marginalized populations, facilitating policy change and empowering healthcare providers to exercise patient-centered care.

Stephen Gerber, MSN, MSHS, APRN, NRP

Stephen is a past advanced practice provider EMS fellow for George Washington University's Department of Emergency Medicine where he is also a clinical assistant professor. He is an alumnus of EMeRG, GW's campus ambulance service. Since then, he has worked as a Firefighter Paramedic with DC Fire and EMS. While there he continued his education attending nursing school and later nurse practitioner school. He is currently on a leave of absence from the fire department to pursue activities related to his fellowship. He lives in southeast DC with his wife, two children, and their dog Ellie.

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.

David Gordon, EDAC

David Gordon is a medical student at Sidney Kimmel Medical College of Jefferson University. David's clinical experience was built on foundations in EMS, complemented by research in design thinking and the architecture industry. David has a creative approach towards emergency management, healthcare system science, and healthcare technology. David was Chief of the University of Pennsylvania's Medical Emergency Response Team in 2018 and is a Crew Chief with the Lewisboro Volunteer Ambulance Corps.

Mohamed Hagahmed, MD

Dr. Hagahmed is a clinical faculty in the department of Emergency Medicine at the University of Pittsburgh Medical Center in Pittsburgh, PA. He is also a Paramedic and EMS Medical Director for Medical Rescue Team South and the Paramedic Response Team. He is originally from Sudan in East Africa and has settled in Pittsburgh after arriving in the US as a refugee. His interests include EMS education, resuscitation, ultrasound and critical care.

Sarah Hargett, NREMT

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 third-year Biomedical Engineering Ph.D. student at Texas A&M University where she researches hemostatic biomaterials for use in prehospital trauma care with an emphasis on noncompressible hemorrhage. She continues to be involved in collegiate EMS as a member of Texas A&M University EMS.

Nathan Harig, MA, NREMT-P

Nathan is a paramedic and the Assistant Chief of Administration at Cumberland Goodwill EMS in Carlisle, PA. He is a graduate of Saint Vincent College in Latrobe, PA with a BA in Political Science in 2008. During his time at Saint Vincent, he helped to co-found a Quick Response Service for on-campus EMS calls. He then went on to pursue a Masters of Arts in TransAtlantic Studies from Jagiellonian University in Krakow, Poland in 2010. He returned to his hometown and lives there today with his wife, and two daughters, Anastasia and Eleanora. Nathan was recognized in 2019 as one of the world's 40 Under 40 leaders in Resuscitation advocacy by the Citizen CPR Foundation, where he later served on a committee encouraging young leaders to help save lives. He has served as Treasurer of the American Trauma Society - PA Division, a member of the Board of Directors at the Pennsylvania Emergency Health Services Council, regional chair of the QI committee at the Emergency Health Services Federation, and a participant on a variety of other local and regional councils looking at how to improve health, safety, and wellbeing.

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

Clinician, Educator, Leader. Gary brings over 38 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 over 30 years, Gary is a New York State Certified EMS Instructor. His 32 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 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).

Jeffrey Huggins, NRP

Jeffrey Huggins serves as the Director of Field Operations for the Maryland Institute for Emergency Medical Services Systems (MIEMSS), which is the state agency charged with regulating EMS in Maryland. Jeff graduated with a Bachelor's degree in Biological Sciences from the University of Maryland, Baltimore County. Jeff has served in emergency services since 2005, when he joined the Walkersville Volunteer Rescue Company. After becoming an EMT and firefighter, Jeff completed his paramedic education at Carroll Community College, and is a graduate of CONTOMS.

Louis Imperatrice, NRP

Louis Imperatrice is a tenured and well known paramedic & EMS Educator having began his career in EMS as an EMT in Southern New Jersey before obtaining his Paramedic certification in 2009. During his time as a Paramedic, Louis worked in both rural and urban environments in Southern and Central New Jersey for several hospital based ALS services including AtlantiCare, Cooper University Hospital, Virtua Health, and Hackensack Meridian Health. Louis also has extensive experience in critical care transport from several years spent with Temple University Hospital's critical care transport team. Louis went on to work for DocGo, a multi-state EMS & Mobile Health company as a training coordinator for Pennsylvania & New Jersey, and now serves in his role as National Manager of Clinical Excellence with DocGo where he is responsible for clinical education for EMS & mobile healthcare services in over 37 US states.

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

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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.

Jeff Kalczyński, DO, FAWM

LT Kalczyński, DO is an alumnus of the University of Delaware for undergrad. Graduating in 2016, he proceeded to attend medical school at the Philadelphia College of Osteopathic Medicine. 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 PGY3 and Chief resident in emergency medicine at the Morristown Medical Center in New Jersey. His career aspirations include an EMS fellowship, as well as continuing to serve his country as an emergency medicine physician in the United States Navy. He completed his FAWM earlier this year, and in his free time enjoys teaching wilderness medicine courses.

Kyle Kendall, BSN, 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.

Delaney Kenyon

Delaney Kenyon (she/they) started in EMS with a SAR team. Senior year of high school, they took an EMT-B course and fell deeply in love. In college, she continued working with the student-run EMS corps on campus, CCEMS. Delaney knew that this was their path, and was elected to leadership and achieved additional certifications. Once COVID hit, they took the 20-21 year off to work full-time as an EMT-IV/EKG, Rope Rescue Technician, and Wildland Firefighter. In the Fall of 2021, Delaney returned to school, having been elected Director of CCEMS and starting as the Teaching Assistant for the EMT class. After the EMT-complicit and public deaths of George Floyd and Elijah McClain, Delaney began developing training for CCEMS that highlighted racial bias and practical things that CCEMS could do to change our care. She also implemented a pronoun policy that affects how CCEMS discusses and documents anatomy, biological sex, gender identity, and pronoun usage. She then brought a research idea to a professor, who worked with her to receive a grant to research EMS bias and develop curricula to be taught in the EMT class. She developed three primary units, tested their effectiveness with another research study, and adapted the curriculum to be taught as CE. Now graduated, Delaney has presented at EMS World, NAEMSP, and works at Colorado College as the Human Biology and Kinesiology Paraprofessional. Delaney is incredibly passionate about EMS and making it as inclusive as possible - everyone deserves to feel comfortable calling 911.

Joseph Kim, NREMT-P

Joseph (Joe) Kim NREMT-P is an instructor for NOLS Wilderness Medicine where he teaches a variety of wilderness medicine courses, ranging from the two-day introductory Wilderness

First Aid course to the month-long Wilderness Emergency Medical Technician (WEMT) course. In addition to teaching, Joe has worked part-time as a paramedic in Washington state. Prior to joining NOLS Wilderness Medicine, Joe served for 17 years as an U.S. Army Infantry and Special Forces officer. While active duty, Joe taught economics and comparative politics at the U.S. Military Academy at West Point, NY. Joe holds a B.S. in mechanical engineering from West Point and an M.B.A. from Harvard Business School. Joe is a graduate of the Paramedic Education Program from Oregon Tech-Oregon Health and Science University.

Ryan Klimkewicz

Ryan Klimkewicz served as Chief of Service for Hobart and William Smith EMS from 2018-2020. During his tenure, he developed a passion for EMS leadership and teaching. He also began attending NCEMSF conferences and is eternally grateful for the lessons learned through this organization. After graduation, he applied lessons learned in collegiate EMS to his home fire department where he served as an officer and member of the EMS committee. He resides in Denver CO where he works for Air Life Denver.

Liam Knight, NRP

Graduating in the midst of the pandemic with a degree in Biochemistry, I was recruited to the Vermont Department of Health to run their PPE distribution, transitioning to managing vaccine distribution once available. When the response began winding down, I moved to Cambridge, MA, and earned my Paramedic, working for 2 years with Pro EMS. This past summer, I moved back to Vermont to again work with the Health Department, this time in their Emergency Preparedness Section as the Exercise Administrator, overseeing Departmental and Statewide training exercises and the continuous improvement program.

Paul Koch, MSAE, NRP

Paul Koch, MSAE, NRP is a Paramedic and Chief with St. Mary's County Advanced Life Support in St. Mary's County, Maryland. He is also a Captain at Southwest Airlines and a retired Naval Officer and Aviator.

Katherine Koontz

Katherine completed her EMT certification in the summer of 2020, and began volunteering with RIT Ambulance that fall. At the start of January 2022, she began working in commercial EMS full-time at a medium-high call volume agency, and she has since become an FTO at both agencies. She graduated from RIT in May 2023 with a Bachelor of Science in Biomedical Sciences and recognition as an Outstanding Undergraduate Scholar. In addition to continuing to volunteer with RITA, she is at the Ohio State University in a Post-Baccalaureate Research Education Program in Dr. Vonder Haar's Lab. This behavioral neuroscience lab studies the chronic cognitive deficits resulting from traumatic brain injury. As such, she has learned a lot about the physiology behind TBI beyond what is covered in the EMT curriculum or standard undergraduate courses, and would love the opportunity to share that knowledge.

Divya Krishna, MD

Divya is an Emergency Medicine Resident at Penn. Divya has been involved in EMS since 2014.

Audrey Lam

Audrey Lam is an M1 at the Oakland University William Beaumont School of Medicine and graduate from the University of Southern California 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.

Ben Lawner, DO, MS, EMT-P, FACEP, FAMPA

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

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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. In 2023, Ben was recognized as the EMS Physician of the Year by the Maryland Chapter of the American College of Emergency Physicians.

Harrison Leinweber, MS, NRP

Harrison is an active-duty Officer in the U.S. Army. During his free time, he works as a paramedic in the suburbs of Pittsburgh, PA and serves as a lieutenant with the Edgewood Volunteer Fire Department. His EMS career started in 2014 as an observer at RPI Ambulance. Since that time, he has held various leadership positions in volunteer, fire-based, and third-service EMS agencies to include Captain (Chief Medical Officer), Supervisor, and Field Training Officer. His EMS experience includes inner-city/urban, suburban, and rural settings, and he has worked as a line medic, performed command staff duties (triage, treatment, and transport officer), and commanded EMS operations at multiple mass gatherings and MCIs.

Tom Leith, MD

Thomas Leith was a founding member of Harvard College's student EMS organization, CrimsonEMS, and is a graduate of Michigan Medical School. He is currently a resident physician at the University of Massachusetts Emergency Medicine residency. His research interests include applications of drones in EMS, improving communications and interactions between EMS and ED personnel, pediatric emergency medicine, and palliative care in the ED.

DJ Lesh

Originally from Los Angeles, CA, DJ Lesh moved to Pittsburgh, PA to attend Carnegie Mellon University (CMU), where he obtained a Bachelor's of Fine Arts in Technical Direction. At CMU, DJ joined Carnegie Mellon University EMS as Freshman and served in various roles, including Supervisor and Chief prior to graduating in 2022. DJ currently works for Hughie's Event Production Services as a Project Coordinator, managing all aspects of Audio and Visual services for large scale events. Outside of work, DJ works as an EMT at multiple Allegheny County EMS agencies and serves as a Lieutenant and President of the Monroeville Volunteer Fire Company #1. DJ also is a member of Allegheny County's county wide Hazmat Response Team and the North Hills Technical Rescue Team. DJ holds multiple ProBoard certifications in Firefighter, Rope Rescue, Vehicle Rescue and Hazmat.

Emily Locke, NREMT

Emily Locke is a current student at Yale University in New Haven, CT at the Yale School of Public Health (YSPH). Emily has worked and volunteered in EMS since the age of 16, where she first began as a Junior EMT at her local ambulance squad, Thousand Islands Emergency Rescue Service (TIERS) in Clayton, NY. She then completed her undergraduate degree at Clarkson University in Potsdam, NY studying Biomolecular Science. While at Clarkson, Emily remained a member of TIERS, while also serving as Chief of Clarkson University EMS (CUEMS) and seasonally volunteering with Potsdam Volunteer Rescue Squad (PVRs). While at Clarkson, Emily was involved in research with resulting publications, as well as an active volunteer in the community with the St. Lawrence County Department of Public Health in response to the COVID-19 pandemic, providing COVID-19 vaccinations. After graduation from Clarkson, Emily began studying for a Master of Public Health at YSPH with a focus on Social and Behavioral Sciences, with expected completion in May of 2025. Her research interests are rural health, pre-hospital disparities in care, maternal and child health, and emergency preparedness and disaster relief. After successful completion of her MPH degree, Emily hopes to begin Physician Assistant (PA) studies, with an end goal of serving her communities as a provider, both pre-hospital as an EMT, and in-hospital as a PA, while also performing community-based research to strive for rural health equity and decrease pre-hospital disparities in care.

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 and is currently serving as Vice Commander at URI-EMS and working as a Paramedic supervisor for the Town of South Kingstown, RI.

Cole Matthews

Cole Matthews is an EMS clinician, educator, and leader with almost 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.

Zachary Mauro, DO, EMT-P

Dr. Mauro has been a paramedic since 2010. During his time on the ambulance, he served in two rural communities in Central Texas as a 911 response medic. He completed his undergraduate degree in Biology at the University of Texas in Austin and attended medical school in North Carolina at Campbell University. He completed ER residency training in the Metro Detroit area as a resident for the Henry Ford Health system. He is currently an EMS fellow with the University of North Carolina.

Peter Melan

Peter Melan is the owner of Polity, a boutique data consulting firm, and a former elected official. He has spoken at several national and international conferences and serves as a liaison to municipalities to help them understand the importance of maintaining a viable EMS solution to constituents. Peter's journey exemplifies the powerful impact that a seasoned professional can have at the crossroads of public sector experience and EMS expertise. His unwavering commitment to improving communities through Polity and his extensive leadership in municipal government underscore Peter's role as a visionary bridging the gap between public governance and EMS. His unique ability to translate complex public safety concepts into practical solutions has made him a sought-after advisor in local government. Peter holds a Master of Public Administration degree from Ohio University.

Jacob Miller, ACNP, ENP-C, CNS, NRP, FAEN

Jacob Miller is a Nurse Practitioner, Clinical Nurse Specialist, and Paramedic with a background in flight, critical care transport, and emergency nursing in addition to nearly two decades of EMS practice. Dr. Miller received his acute care training at the University of Maryland, a graduate certificate in advanced transport nursing at Case Western Reserve University, and his Doctorate in Nursing Practice at the University of Cincinnati. During his post-graduate coursework at CWRU, he served as a crew chief, clinical supervisor, and quality and safety officer for Case Western Reserve University EMS. Dr. Miller currently works as the clinical educator for UC Health Air Care & Mobile Care in Cincinnati, Ohio.

Lucian Mirra, MEd, NRP

Lucian Mirra has nearly two decades of experience as an EMS provider, leader, and educator. He has served as a firefighter/paramedic, EMS supervisor, emergency management coordinator, training officer, and paramedic program director. He has presented at numerous conferences including EMS World Expo and the International Association of Emergency Managers Conference, and is the author of two textbook chapters. He holds a master's degree in education and is a doctoral candidate at the University of Virginia. He continues to practice as a paramedic and is a life member of the Western Albemarle Rescue Squad in Crozet, VA.

Anjali Misra, MPH

Anjali Misra, MPH is a fourth-year medical student at Harvard Medical School. She graduated from MIT in 2018 and was a four-year member of MIT Emergency Medical Services (MIT EMS), a

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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, and her research interests include the relationship between socioeconomic disadvantage and prehospital stroke and cardiac arrest care. She is passionate about advocacy actions both big and small, and has designed and led workshops for MIT EMS to teach EMTs about bias, clinical reasoning, and advocacy.

Gino Mollica, MA, NRP

Originally from Uniontown, PA, Gino Mollica graduated from Carnegie Mellon University in 2020 with a Bachelor's of Fine Arts in Vocal Performance. In 2021, Mollica graduated with a Master of Arts Administration specializing in nonprofit administration. While attending CMU, Gino served in various roles at CMU EMS including Supervisor and Chief. Following his graduation, Gino joined the American Heart Association (AHA) where he is currently a National Quality Program Manager for Get With The Guidelines. In his AHA work, he also oversees the nation's Mission: Lifeline EMS Recognition program. Outside of work, Gino is the Acting Chief of Foxwall EMS just outside the City of Pittsburgh, and is a Paramedic/Firefighter with the Monroeville Volunteer Fire Company #1. Gino holds multiple ProBoard certifications in Hazmat and Rope Rescue.

Benjamin Neustein, MAT, EMT-P, CHSOS

As the training and simulation manager, Mr. Neustein oversees the creation and running of simulations. He brings his experience in teaching science and EMS courses along with a certification as a health care simulation operation specialist to the Shock Trauma Simulation Center. Mr. Neustein is working with the University of Maryland Medical Center staff to develop new curricula and expand the course offerings of the Sim Center. He is focused on realism in simulation and improving clinical outcomes using simulation education here at University of Maryland Medical Center. Mr. Neustein is also an Instructor for the Department of Emergency Medicine with the University of Maryland School of Medicine. With this team he teaches programs in Trauma, wilderness, and emergency medicine as well as working with students to learn both advanced life support skills and the fundamentals of patient assessment. Mr. Neustein comes to the Shock Trauma Center from Pittsburgh, PA where he received his undergraduate degrees from the University of Pittsburgh and a master's in science education from Chatham University. He worked for Pittsburgh Public Schools and taught Emergency Medicine courses at the University of Pittsburgh. He began working in EMS in 2004 and teaching medicine through the University of Pittsburgh Medical Center in 2008. Just prior to moving to Baltimore, he ran simulation labs for the Allegheny Health Network.

Margaret Nilz, MPH, CPH, NREMT

Maggie Nilz serves as ASTHO's Senior Analyst, Preparedness and Disability Integration. Maggie supports ASTHO's work promoting the inclusion of people living with disabilities in emergency preparedness. This includes projects placing "disability and preparedness specialists" into jurisdictions and developing a definition of disability for syndromic surveillance. Prior to joining ASTHO, Maggie was a Data Analyst on the Clinical Affairs team at the American College of Emergency Physicians and as an Emerging Infectious Disease Preparedness Consultant for Hagerty Consulting. Maggie has a Master's in Public Health in Epidemiology and Disaster Preparedness from Saint Louis University and a Bachelor of Science in Microbiology from Rensselaer Polytechnic Institute. During her time at Rensselaer Polytechnic Institute, Maggie served as a member and Vice President of RPI Ambulance.

David Nitsch, PhD, MPH, NRP

David Nitsch has a diverse background in the emergency services, emergency management, public health preparedness, and education. Mr. Nitsch is currently an Assistant Professor and the Emergency and Disaster Management Program Director

at Thomas Jefferson University. Prior to academia, Mr. Nitsch served as the Director for the Bureau of Technological Hazards for the Pennsylvania Emergency Management Agency. In addition, he worked in the private sector as a consultant that provided various emergency management and public health preparedness services. Additionally, David has served as a Medical and Rescue Specialist with the Pennsylvania Urban Search and Rescue Task Force, the Medical Team Leader with the Lancaster County Special Emergency Response Team, and as a Personal Security Specialist and Medic in support of the U.S. State Department's diplomatic security mission in Iraq and Afghanistan. Mr. Nitsch has earned a Masters of Public Health and has completed all but dissertation for a doctoral degree in Public Policy with a focus on foreign policy. He has also lectured extensively on various emergency medical service and public health topics. David has a particular interest in displaced populations and their unique needs and vulnerabilities. David also volunteers his time as part of medical service teams that provide medical clinics and public health oversight to underserved populations in Guatemala, Mexico and most recently in Poland and Ukraine. In his free time he enjoys reading anything but a textbook, listening to podcasts, and filling the pages of his passport.

Lily Nong, NRP

Lily Nong is an alumni of the University of Pittsburgh, graduating with a Bachelor's of Science in Emergency Medicine, in addition to serving as Chief of Education and President of Student EMS at Pitt during their undergraduate degree. They have been working in EMS for six years, currently working 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 rock climbing.

Garrett Noone

Garrett Noone is the former Chief of Service of Hobart and William Smith Colleges (HWS EMS). Prior to collegiate EMS, Noone practiced EMS both at the volunteer and career level ranging different social/economic/and geographical scales. Noone changed and grew Hobart and William Smith EMS from a single digit clinician roster to almost triple that before graduating. After graduating in 2022, Noone went on to become a career firefighter for the City of Reading, PA and has worked there since. Noone now also works part-time EMS on top of doing fire/EMS full time and has experience in different aspects of EMS that is beneficial to all. He is happy to return to HWS EMS to talk with current and previous alumni and credits some of his best friendships to HWS EMS.

Jason Oberoi, MAOL, CEN, TCRN, NRP

Jason is a Life Member at Virginia Tech Rescue Squad. He currently works as an Emergency Room Nurse.

Matthew Piechnik

Matthew Piechnik is a 3rd year medical student at Thomas Jefferson University and Ensign in the US Navy. A certified Advanced Wilderness Life Support instructor, he is an experienced wilderness and disaster medicine provider with a particular interest in combat and forward-deployed medicine. He is the President of Wilderness & Disaster Medicine Society at Thomas Jefferson University.

William Reis, MD, MS

William Reis graduated from Emory University with a BS in Biology and continued his education at the University of Cincinnati with a Masters of Physiology. He subsequently graduated from Virginia Tech Carilion SOM with an MD and a certificate of "Research in Translational Medicine". He is now a PGY2 with the University of Pennsylvania Department of Emergency Medicine and is concurrently doing research with the Penn Center for Resuscitation Science. His masters work examined the role of the kidney in Post-cardiac Arrest Syndrome. In medical school, he continued research in cardiac arrest as the lead author of the SPEAR study (NCT05283850). He is interested in a research career looking at treatments for PEA arrest. Dr. Reis attended the 2016 NCEMSF conference, so he finds it an extraordinary honor to return as a speaker.

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Emma Roden, CTRS

Emma is a recent college graduate who got her degree in recreation therapy from SUNY Cortland and has since got her certified therapeutic recreation specialist certification. She has been involved in EMS since turning 16 and got her EMT in college while running with SUNY Cortland EMS. Emma was a recreation therapist on an inpatient children's mental health unit in NY before moving to Maryland where she is currently employed by the State of Maryland as a recreation therapist on an adult mental health unit.

Jay Rodriguez, NRP

Having been born into a family of doctors, Jay's love of and fascination for medicine started at an early age. While working on his first Bachelor's at the University of Texas San Antonio, he determined that his love for medicine could best be utilized as a first responder. He then became the very first paramedic in his entire family. He has been a practicing paramedic for over 18 years, the last ten of which have been as a critical care paramedic. While completing a large independent study course on prehospital obstetrics for his second bachelor's degree at UT Health Science Center San Antonio, he came to the startling realization that there was a significant number of obstetrical issues he could realistically manage in the field, but never received any training on in paramedic school. This led to furthering his education, and training with midwives, nurses, neonatologists, obstetricians, and transport teams all over the state of Texas. He also became a proud birth and postpartum Doula, and childbirth educator. For the past 4 years he has been a midwifery student, attending over 50 births both in and out of the hospital.

Andrew Rosenblum, MSPH

Andrew got his start in EMS in 2013 with the Virginia Beach Department of EMS as a Water Rescue Tech, eventually becoming an EMT and then a Medic. While at Johns Hopkins, he was a duty officer and the 2016 Captain of the Hopkins Emergency Response Organization (HERO). After earning a Master's degree in Public Health Policy, he worked in public health for the U.S. Government, including leading training and exercises with the U.S. Military on medical countermeasures to CBRNE, Public Health/Biosecurity, and Tactical Combat Casualty Care around the world. Currently, he's a law student and avid researcher interested in public health, EMS, and biosecurity.

Jack Rubins

Jack Rubins serves as a Regional Integration Center (RIC) Coordinator with the City of Philadelphia Office of Emergency Management. In this role he functions as the primary interface and point of contact for Emergency Management personnel and various stakeholders throughout the city such as Police, Fire, EMS, Public Works, as well as local government agencies to provide critical information, updates, and support during the monitoring, response, and recovery phases of the emergency response cycle. Jack attended Muhlenberg College as a double major and holds a Bachelor's degree in Business Administration and Psychology. During his time at Muhlenberg College he was an active member of Muhlenberg College EMS who served as a crew chief and as its President.

Ari Sanders, CCEMT

Ari is a Critical Care/Flight Paramedic with over a decade of EMS experience. In addition to working as a Flight Paramedic for Mercy Flight of Western NY, he is also an active volunteer with RIT Ambulance and the Williamsville Fire Department, and is a Research Paramedic with UBMD Emergency Medicine. Ari is an alumnus of the Rochester Institute of Technology, and has continued to serve as an EMT and FTO with RIT Ambulance after graduation. Ari is a member of the Pediatric Emergency Care Applied Research Network CHaMP Node Buffalo Field Advisory Committee, which assists clinical researchers to organize and conduct prehospital pediatric research. His areas of special interest include cardiology, toxicology, pediatrics, and critical care.

John Seward

John is the Regulatory Compliance Officer and EMS Program Manager at the University of Denver. He oversees compliance, policy, export control and research security, while supervising the emergency medical services program. He served as DUS Assistant COVID Response Coordinator during the COVID-19 Pandemic, where he spent his days in disease surveillance, testing, and patient engagement, specializing in the emotional toll COVID took on us all. John is the Vice Chair for Advocacy at the Emergency Medical Services Association of Colorado where he has been key to the passage of legislation relating to secure behavioral health transport, emergency mental health holds, ground ambulance licensing, EMS system improvement and the establishment of the country's first office of cardiac arrest management. John is a seasoned EMS provider and serves on the Colorado EMS Education Task Force working to improve EMS education statewide.

Claire Shaver

Claire is the Chair of Emergency Medical Services at the University of Denver (DU) and leads an incredibly dedicated team of Campus EMTs on a mission to foster a community of care. She is an EMT pursuing a Master of Social Work degree from DU's Graduate School of Social Work. In her undergraduate studies, she researched the determinates and consequences of perception as it applies to pain care and mental illness stigma with an emphasis on implications for social inequality and discrimination. Claire also works with Denver's Support Team Aided Response (STAR) program where she works alongside a mental health clinician to provide emergency behavioral health crisis response. She specializes in crisis and medical social work within the intersection of emergency medicine and mental health.

Mustafa Sidik, NRP

Mustafa Sidik serves as the Region III Associate Coordinator for the Maryland Institute for Emergency Medical Services Systems (MIEMSS), which is the state agency charged with regulating EMS in Maryland. Mustafa graduated with a Bachelor's degree in Biological Sciences from Towson University, and is currently pursuing graduate studies in Preventative Medicine and Epidemiology at the University of Maryland, Baltimore County (UMBC). Mustafa has served in emergency services since 2014, when he joined the Arbutus Volunteer Fire Department. After becoming an EMT and firefighter, Mustafa completed his paramedic education at Harford Community college in 2017, going on to serve as a paramedic with the Cecil County Department of Emergency Services. In addition to his duties at MIEMSS, Mustafa serves as an adjunct faculty member with UMBC's Department of Emergency Health Services, an adjunct paramedic instructor at Harford Community College and the Community College of Baltimore County.

J. Dominic Singh, NRP, I/C

Dominic has been engaged in EMS for nearly 3 decades and is the current staff advisor to UMass Amherst EMS. He is a former Chief of Operations for Spencer EMS, recently retired from a 26-year fire service career, is the Executive Director of Western Massachusetts EMS, and still serves in the field as paramedic. 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.

Tatiana Snedeker

Tatiana Snedeker is in her final semester at George Washington University where she is a Master of Public Health student studying Global Health Epidemiology and Disease Control. Tatiana received her B.S. in Health Studies from the University of Rhode Island in 2022 where she was a senior member of URI EMS taking on responsibilities as an EMT, driver, and junior supervising officer (corporal). Alongside her studies, Tatiana works with the George Washington University Urban Health Program overseeing 40 public health students and connecting them to Washington, DC community partners by developing and teaching public health and clinical health curricula to

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underserved communities. Currently, Tatiana is interning with the American Heart Association working with the Quality, Outcomes, Research & Analytics team on EMS Recognition projects. She hopes to continue working in EMS and clinical public health research with the conclusion of her MPH program.

Delia Sosa, MS

Delia Sosa (they/them) is a second year medical student at the University of Cincinnati College of Medicine, transgender educator, and LGBTQIA2+ advocate. 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 trans- and intersex-inclusive care and medical education, they hope to give back to NCEMSF for the benefit of current and future EMS squads and first responders.

Bill Stierle, BSE, MS

Bill Stierle provides a powerful and groundbreaking understanding of everyday language which enables people to interact and communicate in a healthy, compassionate, and productive way. Over the last 37 years, Bill has been sharing the keys that unlock the secrets to how people's thinking, behaving, and beliefs impact their quality of life. What began with his search to understand difficult personal interactions led to a consulting career that transforms personal relationships as well as the companies and executives who experience his work. Bill has mastered a unique blend of emotional intelligence expertise which accelerates your understanding of emotions and language and supports you to communicate effectively. People who work with him experience how simple changes in language dramatically improve every aspect of life.

Madison Sweitzer

Madison joined Global Brigades in 2021 after earning her Bachelor's magna cum laude in Global Studies from the University of Richmond and a Master's in Social Justice from Prescott College. Her focus was on Development and Latin American, Latinx, and Iberian Studies. While at UR, she also spent a semester studying abroad in Buenos Aires, Argentina at Universidad Católica de Argentina. She currently leads the Volunteer Engagement Team at Global Medical Brigades, and loves working with students to bring the mission of Medical Brigades to their campus.

Andrew Tang

Andrew is a graduate of MIT with a BS in Biological Engineering and 10 years of EMS experience. He currently serves as an EMS Supervisor for MIT EMS within the Boston/Cambridge 911 system. Previously, he worked as a Firefighter/EMT with the White Marsh Volunteer Fire Company, also serving on the Board of Directors. In his professional career in healthcare technology, Andrew uniquely bridges the gap in operations and patient care through on project management and analytics.

Trevor Thomas, PA-C

Trevor Thomas is 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. He's also currently serving as the educational chair for the Delaware chapter of the Society of Critical Care Medicine. Prior to becoming a PA, he 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.

John Todaro, RN, NRP, TNS, NCEE, CHSE

John Todaro is a Nationally Certified EMS Educator and holds a Bachelor of Arts Degree in Business Administration/ Healthcare Management, and Associate in Science Degrees in Paramedics and Nursing. John was named, 1995 Florida EMS Educator of the Year by the Florida Department of Health, and 2003

Continuing Education Instructor of the Year and the 2009 EMS Education Program Director of the year by the Florida Association of EMS Educators and in August of 2009 John was honored by the National Association of EMS Educators when he was awarded their prestigious "Legends Who Walks Among Us" award. John has been actively lecturing at regional and national conferences for over twenty (20) years. He is a Charter Member of the National Association of EMS Educators for which he serves as President of the Board of Directors, a Charter Member of the National Association of EMTs and serves on the NAEMT Foundation Board of Trustees. He serves as a member for EMS World Magazine Editorial Advisory Board and the Jones and Bartlett Publishers EMS Advisory Board.

James Trainor, MS, EMT-CC

James began his EMS career in 2015, when he joined Stony Brook Volunteer Ambulance Corps on Long Island, NY, a fully student run ALS level collegiate EMS agency. While there, he was as a Field Training Officer and Emergency Vehicle Operations Instructor, as well as an Advanced Life Support provider as an EMT-CC. He additionally served as the 2nd Assistant Chief and was involved in both field training and classroom education of probationary members. After he completed his undergraduate degree in Health Sciences, he stayed at Stony Brook University to pursue his Masters in Physiology & Biophysics, while also being employed by local EMS and Fire agencies. Currently, James is a 3rd year medical student at Rutgers New Jersey Medical School in Newark, NJ.

Becky Valentine, EMT-P

Drawing from over 31 years of EMS service and education, and life-long learner, Becky's sessions are geared toward excellence and diversity in EMS education through current standards and critical thinking.

Sarah Wenyon, MS

Sarah is a medical student at Sidney Kimmel Medical College of Jefferson University. Sarah earned her Masters of Bioscience Enterprise at the University of Cambridge where she gained experience in both consulting, venture capital, and working with start-ups. Sarah continues to work as the Director of Internships at MDplus, a non-profit connecting medical students, residents, and physicians to leaders in biotech, VC, digital health, and other areas of healthcare innovation. Sarah was the Administrative Coordinator of the University of Delaware ECU from 2018-2019. Sarah's background in healthcare innovation and work with start-up companies, allows her to bring a unique approach to developing intrapreneurship among collegiate EMS organizations.

India White, EdD

Dr. India White, a first-generation scholar, understands the transformative power of community and mentorship. Despite facing adversity, she emerged as a resilient force. Her upbringing was marked by financial struggles, a single-parent household, and limited resources. School became her beacon of hope, where she poured herself into academics, activities, and friendships. Even when circumstances were tough--like doing pre-calculus homework by starlight due to electricity restrictions--she remained determined to succeed.

Donnie Woodyard, MAML, NRP

Donnie Woodyard, Jr's career in EMS has spanned three decades. He began as a volunteer EMT in high school and a Paramedic at 19. Woodyard holds degrees from Sinclair Community College, Indiana University, and Liberty University, with ongoing doctoral studies in Public Administration. His professional journey includes roles as an EMS Chief, instructor, Paramedic Program Director, the State EMS Director for Louisiana and Colorado, and as the Chief Operating Officer for the National Registry of EMTs, where he introduced key technological innovations. Internationally, he has contributed to the development of EMS systems in South Asia and has authored EMS textbooks in multiple languages. He is currently the Executive Director of the United State EMS Compact, the interstate licensure compact spanning 24 states and over 400,000 EMS personnel. In addition to his EMS leadership, Woodyard is the author of "EMS in the United States: Fragmented Past, Future of Opportunity," a premier reference book in the field. His expertise extends beyond professional

Presenter Bios

boundaries, evident in his roles as a Scuba Dive Master and an airplane pilot, serving in the United States Air Force Auxiliary - Civil Air Patrol. Woodyard's commitment to humanitarian efforts is highlighted by his participation in aid missions across various countries, including Haiti and Sri Lanka.

Kyla Young

Kyla Young is a bachelor of science candidate in biomedical sciences at SUNY Cortland. She is also an EMT-B for the past two years and volunteers with her college agency, SUNY Cortland Emergency Medical Service, commonly known as SCEMS. In 2023 Kyla was awarded an undergraduate research fellowship by her university to conduct this original research study.



Richard W. Vomacka Student Speaker Competition Presenter Bios

Betania Arce

Betania is a sophomore, majoring in Biomedical Engineering at Johns Hopkins University. Originally from Miami, FL, she obtained her EMT-B and NREMT licenses as a freshman and serves as the Secretary for Hopkins Emergency Response Organization (HERO). She volunteers as an EMT for a local firehouse serving Baltimore County and works for a private EMS transportation company taking 911 calls. Outside of school, Betania enjoys being a tour guide for Hopkins, trying new coffee flavors, and working out.

Daniel Baker, AS, CP-C

Daniel is a Florida native, born in Tampa and raised in a small town in the south. Daniel moved to Colorado in March of 2023 to join the amazing team at Ute Pass Regional Health Service District in Woodland Park, CO. Daniel began his career as a 911 dispatcher with the Highlands County Sheriff's Office while simultaneously serving as a volunteer FF/EMT with West Sebring Fire Rescue. He later moved on to become a full-time member of Highlands County Fire Rescue serving as a firefighter, EMT, and HAZMAT Technician. Daniel attended Polk State College Paramedic School in Winter Haven, FL where he graduated as class Valedictorian and with an Associates of Science in EMS. Daniel then began his career at Hendry County Public Safety where he developed their Point-Of-Care Ultrasound (POCUS) Program with his paramedic cohort John Knesek. Hendry County Public Safety became one of only three departments in the State of Florida to utilize POCUS and the only department to utilize it in its full capacity. Daniel made the leap to Colorado to join the 2023 State of Colorado Ambulance Service of the Year at Ute Pass Regional Health Service District. In Colorado, he is a pre-med student attending the University of Colorado - Colorado Springs. Daniel is very passionate about advancing the EMS profession as a whole and improving the care provided to patients in the prehospital setting.

Shabbir Bohri

Shabbir Bohri is a junior Neuroscience major, pursuing a BS at the University of Texas at Dallas. Two years ago he began volunteering as a Field Captain with University Emergency Medical Response, UEMR, a First Responder Organization at UT Dallas. He is certified in Hazardous Materials Operations.

Margaret Hendrickson

Maggie Hendrickson is a junior studying Clinical Neuroscience at Virginia Tech. She joined VTRS during her Freshman Year to serve the community in a way she was passionate about. Since joining, she has received her Advanced-EMT and now serves as an EMS Supervisor. She enjoys challenging herself by constantly

learning new skills and mentoring others. She hopes to move to Colorado after college and become an Emergency Medicine Physician and OMD.

Matthew Hoffman

Matthew Hoffman is a junior studying Clinical Neuroscience at Virginia Tech. He joined VTRS to make a difference in the campus community. As an Advanced-EMT and service leader, he is passionate about the mission of VTRS. He strives to continue his education at every opportunity. After his undergraduate education, he hopes to enroll in medical school and eventually contribute to the world of neurology.

Nitya Koduri

Nitya Koduri is the Division Chief of Training and Education for Emory EMS, overseeing the entire training process of the agency and managing the TAs and FTOs. She has worked in EMS for five years, two of which as an AEMT. In the past, she worked as a TA for the education program and Field Training Officer for Emory EMS.

Gloria Li

Gloria Li is a junior at Johns Hopkins University majoring in public health and the natural sciences. Originally from Ontario, Canada, she currently serves as the President of the Hopkins Emergency Response Organization (HERO). She has both her Maryland EMT-B and NREMT certifications and has volunteered hundreds of hours as an EMT for almost three years. Outside of school, Gloria likes to play volleyball, make fruit smoothies, and read action books.

Alekhyia Pidugu

Alekhyia Pidugu is a fourth-year student at Emory University from Little Rock, Arkansas. She is majoring in human health and economics and minoring in sustainability sciences. In her second year, she attained her Advanced EMT license through the Emory EMS education program, marking a pivotal moment in her medical education. Volunteering with Emory EMS has been Alekhyia's best university experience, making memories she'll always treasure. This year, she is the Manager of Support Services for Emory EMS. Alekhyia hopes to continue her medical education journey and looks forward to attending Tufts Medical School in the upcoming fall.

NCEMSF Leadership Bios

NCEMSF EXECUTIVE BOARD

George J. Koenig, Jr., DO, FACS

George Koenig, NCEMSF 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 NCEMSF in 1993 at the first annual conference held at Georgetown University. He served as Vice-Chairman of the Constitutional Committee and Temporary Governing Board from 1995 to 1996. He has served as President since 1996.

Scott C. Savett, PhD

Scott Savett, NCEMSF Vice President and Chief Technology Officer, has been involved in collegiate EMS since 1991. His EMS career started at Ursinus College where he was one of the founders of its EMS response group. Scott received his BS in chemistry in 1994 and subsequently enrolled in graduate school at Indiana University-Bloomington. In 1994 Scott founded IU-EMS, an organization dedicated to providing comprehensive pre-hospital education and service. Scott transferred to Clemson University in 1995 to continue his graduate studies in chemistry. He was an active volunteer with Clemson University Fire/EMS, eventually upgrading his level of training to NREMT-I and becoming cross-trained in the fire service. In May 2000, Scott received a PhD in analytical chemistry 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, NCEMSF Secretary, is an Associate Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is the Program Director for the Surgical Critical Care Fellowship and Associate Program Director for the General Surgery Residency as well as the Surgical ICU Medical Director, Enterprise Surgeon Lead for Surgical Critical Care 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. While at Columbia, Josh served as the CMO and Executive Director of CUEMS. Joshua became involved with NCEMSF in 2000. He served for three years as the Foundation's first National Coordinator before being elected to the Executive Board.

Yoni Litwok, MD

Yoni Litwok, NCEMSF Treasurer, 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. He has served NCEMSF as a Regional Coordinator and Director-at-Large.

NCEMSF DIVISION COORDINATORS

Karolina A. Schabbes, MPH

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

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.

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, 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.

NCEMSF Leadership Bios

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 -- and now, having come full circle, proudly serving as the organization's Medical Director.

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 Educational Programs 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 (D.O.) 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 and Muhlenberg College 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. He first became an EMT in 1999. He is now a paramedic and Chief of Fort Mill EMS in South Carolina. He is also a private pilot.

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 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.

Ernest Wang

Ernest Wang serves as the Editor-in-Chief 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

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.

NCEMSF Leadership Bios

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 carries prior experience as an EMS field supervisor, part-time faculty at Northeastern University, and as an ER technician at Tufts Medical Center. 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 completed his emergency medicine residency at Albany Medical Center in 2023. David currently resides in Delmar, NY where he is the associate medical director of Delmar-Bethlehem EMS and works as an emergency physician in multiple ERs in upstate New York.

Lex Martin, CCRN, NRP

Lex Martin, NCEMSF Midwest Regional Coordinator, 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, MS

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.

Meghann Zapcic-Desrochers, MD

Meghann Zapcic-Desrochers, NCEMSF Assistant Northeast Regional Coordinator, became involved in collegiate EMS as the Director of Operations of UMass EMS in Amherst where she received a BS in Psychology in 2016. Meghann worked on a variety of agencies from municipal 911 to fire-based QRS as an EMT throughout her time as an undergraduate. In 2020, she completed medical school at Temple University in

Philadelphia, PA where she worked with Temple EMS on multiple projects with an active shooter drill and as part of the bike response crew. Following medical school, she completed her Emergency Medicine residency education at UMass Baystate in 2023 and is now finishing her EMS fellowship at Brown University with plans to continue working as an EMS physician in the New England region.

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 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.



Schedule Summary

Sunday, February 25, 2024

		<u>CE Code</u>	<u>Room</u>
7:30 AM - 8:30 AM	Continental Breakfast		Harborside Foyer
8:00 AM - 8:50 AM	Workshop Session 11 - Young Alumni Series (Page 29)		
	A Blueprint to Lead Grassroots Change	511A	Essex A-C
	Can We Fix It?: Rebuilding Your Agency	511B	Kent A-C
	Treating Mental Health in the Field of EMS	511C	Laurel A-D
	LGBT+ Care in EMS	511D	Harborside A
	Kids on Campus? Treating Pediatrics	511E	Harborside B
	Call It or Not?: An MCI Case Study	511F	Harborside D
	Tips and Tricks for Top-Notch Training	511G	Harborside E
	Roundtable: Startup	511H	Galena
8:00 AM - 12:00 M	Mini-Course: THE ABC's of MCIs: A Table Top Experience		Waterview A
9:00 AM - 9:50 AM	Workshop Session 12 (Page 30)		
	Pioneering Your Path In Medicine	512A	Essex A-C
	Retention in EMS: Culture, Burnout, and Leadership	512B	Kent A-C
	When Athletes Collapse	512L	Laurel A-D
	Detecting Doses of Danger	512C	Harborside A
	The Initial Obstetric Exam	512E	Harborside B
	Intervening Against Impending Doom	512F	Harborside D
	EMTs as Advocates: Building a Toolkit for Change	512G	Harborside E
	Roundtable: Administrator/Advisor/Medical Director	512H	Galena
	Roundtable: Let's Talk About Sex	512I	Waterview B
	Skills: Hemorrhage Control - Beyond Stop the Bleed	512J	Waterview C
	Skills: Penetrating Trauma on Campus (Session 1)	512K	Waterview D
10:00 AM - 10:50 AM	Workshop Session 13 (Page 32)		
	Equipping EMS in Mental Health Response	513A	Essex A-C
	Patient-Centered Communication in EMS	513B	Kent A-C
	Under the Microscope and Through the Telescope	513C	Laurel A-D
	Racial Bias in EMS: Assessment Tools to Reduce Disparity	513D	Harborside A
	Terrestrial Envenomation	513E	Harborside B
	Pulmonary Embolism: Master the Silent Killer	513F	Harborside D
	V/Q Bushido: Becoming an ETCO2 Samurai	513G	Harborside E
	Skills: Management Of Aggressive Behaviors (MOAB)	513I	Waterview C
	Skills: Penetrating Trauma on Campus (Session 2)	513J	Waterview D
11:00 AM - 11:50 PM	Workshop Session 14 (Page 33)		
	Prepare for the Emergency!	514A	Essex A-C
	Changing Protocols and SOPs	514B	Kent A-C
	Cultivating Ideas: Applying Intrapreneurship	514D	Harborside A
	Blunt, Penetrating or Both?	514E	Harborside B
	Getting Ahead: Traumatic Brain Injuries	514F	Harborside D
	Disability Inclusion in Emergency Preparedness	514G	Harborside E
	Roundtable: Emergency Management	514H	Galena
	Skills: Mastering MCI Response and Triage	514C	Waterview C
12:00 PM - 12:30 PM	Conference Wrap-Up		Harborside A

Thank You For Attending - Safe Travels Home!

Please remember to ***complete your evaluation form*** online.
You will receive an email with further details following the conference.

See You Next Year!
February 21-23, 2025—Pittsburgh, PA

Schedule Summary

Saturday, February 24, 2024 (Continued)

		<u>CE Code</u>	<u>Room</u>
12:00 PM - 1:00 PM	Lunch On Your Own		
1:00 PM - 1:50 PM	Workshop Session 7 (Page 17)		
	OIC? Becoming the Collegiate EMS Officer	415A	Essex A-C
	Breaking Ground: Launching the DC Stabilization Center	415B	Kent A-C
	Medical Management of Airway Emergencies	415C	Laurel A-D
	Improving How We Respond With Law Enforcement	415D	Harborside A
	EMS & Observational Epidemiology Methods	415E	Harborside B
	Now That's a Lot of Patients - MCI	415F	Harborside D
	Crime Scene Management and What it Means for EMS	415G	Harborside E
	EMS Physician Extenders	415H	Waterview A-C
	Lightning Talks	415I	Harborside C
	NCEMSF: The Hidden GEM to Great Success!		
	Special Field Skills for Collegiate Dorm Response		
	International Crisis Response and Recovery		
	Roundtable: Administrative Challenges	415J	Galena
	Roundtable: EMS Leadership Today	415K	Heron
	Poster Session Walk Rounds	415N	Harborside Foyer
	Skills: Nitty Gritty ACLS	415L	Falkland
	Skills: Ultrasound in EMS - Ultrasound-Guided IV Access	415M	Waterview D
2:00 PM - 2:50 PM	Workshop Session 8 (Page 20)		
	Making You a Better Preceptor	416A	Essex A-C
	Toxicologic Emergencies	416B	Kent A-C
	The 12-Lead ECG in Syncope	416C	Laurel A-D
	Pediatric Injuries: Are You Prepared?	416D	Harborside A
	At War for Hearts	416E	Harborside B
	TCCC in a Nutshell	416F	Harborside D
	Healing The Healers	416G	Harborside E
	From Awkward to Awesome	416H	Waterview A-C
	Lightning Talks	416I	Harborside C
	Effective Communication		
	They Have What? Infectious Disease Outbreaks		
	Suicide Risk Assessment		
	Roundtable: Fundraising and Financing		Galena
	Roundtable: Power of GRIT in Overcoming Obstacles!	416K	Heron
	Skills: Splinting Improv	416L	James
	Skills: Ultrasound in EMS - FAST (Session 1)	416M	Waterview D
3:00 PM - 3:50 PM	Workshop Session 9 (Page 22)		
	1st Due Action for the Non-Transporting EMT	417A	Essex A-C
	Smoke Signals: Understanding Capnography	417B	Kent A-C
	The Use of Lights and Sirens: Is Faster Really Better?	417C	Laurel A-D
	The Moon is Cheese: Cases in Altered Mental Status	417D	Harborside A
	High In The Sky - An Overview of Helicopter EMS	417E	Harborside B
	Responding to Aquatic Trauma	417F	Harborside D
	I Don't Have Time to Make the Right Decision!	417G	Harborside E
	Think FAST: Use of Ultrasound in Trauma Assessment	417H	Waterview A-C
	Lightning Talks	417I	Harborside C
	Up in Smoke! Cyanide and Carbon Monoxide		
	Put the Pedal to the Medal		
	Continuing Care: Beyond the Initial Resuscitation		
	Panel: Careers in Emergency Management	417J	Falkland
	Roundtable: The Pros and Cons of Social Media	417K	Galena
	Skills: Ultrasound in EMS - FAST (Session 2)	417L	Waterview D
	Skills: Wilderness Wounds Management	417M	James
3:50 PM - 4:05 PM	Snack Break		
4:05 PM - 4:55 PM	Workshop Session 10 (Page 24)		
	Opiate Pharmacology	418A	Essex A-C
	MARCH to a New Beat: Initial Trauma Assessment	418B	Kent A-C
	Show Me The Money!		Laurel A-D
	Damage Control Surgery	418D	Harborside D
	H2-OW! From Shark Bites to Prop Chop and Beyond	418E	Harborside E
	Catch and Release	418F	Waterview A-C
	Roundtable: Engaging Your Alumni Network	418G	Galena
	Roundtable: Training	418H	Heron
	Skills: 12 Lead EKG Interpretation	418I	James
	Skills: Prehospital Ultrasound	418J	Waterview
5:00 PM - 6:00 PM	Plenary Session 2 - Major John P. Pryor, MD Memorial Lecture		Harborside A-C
	How to Leverage Your Skill Sets to Conquer Challenges	419A	
6:00 PM - 7:00 PM	NCEMSF Business Meeting and Awards Presentation		Harborside A-C
7:00 PM	Dinner in Baltimore On Your Own		
7:00 PM - 8:30 PM	Alumni Social and Networking Event		Waterview
10:00 PM - 2:00 AM	NCEMSF Club and Casino		Harborside A-C

Schedule Summary

Friday, February 23, 2024

		<u>CE Code</u>	<u>Room</u>
4:00 PM - 10:00 PM	Registration		Harborside Foyer
4:30 PM - 10:00 PM	Stryker EMS Skills Classic		Laurel A-D
6:00 PM - 6:50 PM	Workshop Session 1 (Page 8)		
	Wilderness Woes	311A	Harborside C
	CBEMS Mental Health and Wellbeing	311B	Harborside D
	Crushed It	311C	Harborside E
	Peer Mentoring: A Unique EMT Course	311D	Essex A-C
	Roundtable: Startup	311E	Kent A-C
7:00 PM - 7:50 PM	Workshop Session 2 (Page 9)		
	Sense and Sensitivity	312A	Harborside C
	Paramedics on Trial	312B	Harborside D
	Street Wars: The Scooter Menace	312C	Harborside E
	Oh Sh#t; I Have a Bachelor's in EMS, Now What?	312D	Essex A-C
	Roundtable: Chiefs and Presidents Leadership	312E	Kent A-C
8:00 PM - 8:50 PM	Plenary Session 1		
	Why We Should Be Measuring Lactate In The Field	313A	Harborside C
8:45 PM - 12:30 AM	PCOM Welcome Social & Mixer / Stryker CPR Challenge		Harborside A-B

Saturday, February 24, 2024

7:15 AM - 8:30 AM	Continental Breakfast		Harborside Foyer
7:45 AM - 8:15 AM	Group Introductions / Meet & Greet		Harborside C
8:15 AM - 9:05 AM	Workshop Session 3 (Page 11)		
	EMS Research in 2023	411B	Harborside C
	Ooooh, Aaaaah, OHHHH! How Could That Happen?	411A	Harborside D
	The EMS History You Never Knew: The Untold Story	411C	Harborside E
9:15 AM - 10:05 AM	Workshop Session 4 (Page 11)		
	Performance Punishment	412A	Essex A-C
	So You Responded: Now What?	412B	Kent A-C
	Creating a Protocol for Intoxicated Collegiate Patients	412C	Laurel A-D
	Advanced Cardiac Arrest Treatments	412D	Harborside A
	EMS Awakening	412E	Harborside B
	Leading With Emotional Intelligence	412F	Harborside D
	Transgender and Intersex Inclusive Care in EMS	412G	Harborside E
	Not Your Mama's Joint: Today's Drugs of Abuse	412H	Waterview A-C
	Lightning Talks	412I	Harborside C
	Burns for BLS		
	Don't Let the Beat Drop		
	Blisters		
	Roundtable: Administrator/Advisor/Medical Director	412J	Galena
	Roundtable: Recruitment and Retention	412K	Heron
	Skills: Pediatric Resuscitation	412L	Falkland
	Skills: Airway Lab	412M	James
10:15 AM - 11:05 AM	Workshop Session 5 (Page 13)		
	Poland and Ukraine: Experiences After an Invasion	413A	Essex A-C
	All I Knew Was F.A.S.T.	413B	Kent A-C
	How to Guide for Establishing QI in Collegiate EMS	413C	Laurel A-D
	Stormy Course: Endocrine Emergencies You Can't Miss	413D	Harborside A
	Empowering Teams: Leveraging Neurodiversity	413E	Harborside B
	Blast Injuries in Modern Warfare: Takeaways for EMS	413F	Harborside D
	Sleep and Fatigue: Don't be a Sleep Martyr!	413G	Harborside E
	Ultrasound in EMS	413I	Waterview A-C
	Lightning Talks	413H	Harborside C
	The Year of AI		
	EMTs Without Borders		
	Empowering the Next Generation		
	Roundtable: Inside the Journal of Collegiate EMS	413J	Galena
	Roundtable: Technology	413K	Heron
	Skills: Moulage	413L	Falkland
	Skills: Low-Fidelity, High-Impact: Pediatric Simulations	413M	James
11:15 AM - 12:00 PM	Workshop Session 6 (Page 16) - Richard W. Vomacka Student Speaker Competition:		
	Hazardous Materials Operations	414A	Harborside A
	Inclusive and Compassionate Care	414B	Harborside B
	Overcome Turnover: Crafting Competent Leaders	414C	Harborside D
	What EMS Training Doesn't Teach You: Applying Empathy	414E	Harborside E
	Regional Roundtable Discussions	414F	Harborside C

(Continued on Inside Back Cover)