

NCEMSF 2022

The 29th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 25-27, 2022
Wyndham Grand Pittsburgh Downtown Hotel
Pittsburgh, PA

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Download the Conference Program App
<https://my.yapp.us/NCEMSF2022>



Conference Policies

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

- 1) Conference ID badges are required for entry to conference lectures and events and are to be worn by attendees at all times while on the conference premises.
- 2) Attendees are expected to conduct themselves as the adult professionals that they are and to display the same degree of decency and respect toward other conference attendees, hotel guests, and staff that they would exhibit while responding to campus medical emergencies and interacting with patients.
- 3) Noise production is to be kept to a level appropriate to an indoor hotel environment and is to be respectful of the hour and considerate of the surroundings.
- 4) The consumption of alcohol by those younger than the federal legal minimum drinking age of 21 years as well as the use of drugs or other illegal substances by attendees of any age is strictly prohibited. Open containers containing alcohol are also forbidden in all conference common areas.
- 5) Common areas and private rooms of the host facility are to be left in the same fashion in which they were found upon arrival. Any damage to, or destruction of, property will be the financial responsibility of the offending individuals.
- 6) Participation in conference lectures and activities grants permission for the use of one's image in NCEMSF publications, promotional materials, social media posts and website.
- 7) Conference speakers are experts in their given fields. The information they present and opinions they express, however, are not necessarily those of NCEMSF. Attendees are reminded to follow their prescribed operating procedures and to contact their agency's medical director before changing medical protocol.
- 8) By providing or confirming your mobile phone number during conference check-in you are opting into NCEMSF's emergency notification service. In the event of an emergent situation during the conference, you agree to receive SMS notifications related to the emergency. Only critical messages will be broadcast in this manner.
- 9) Related to **COVID-19 Specifically**—Release of Liability and Assumption of Risk

The National Collegiate Emergency Medical Services Foundation ("NCEMSF") 29th Annual Conference ("Event") will be held in Pittsburgh, Pennsylvania at the Wyndham Grand Pittsburgh Downtown ("Premises"). In consideration of being permitted by NCEMSF to participate in the Event and in recognition of NCEMSF's reliance thereon, the individual named below (referred to as "I" or "Attendee") agrees to all the terms and conditions stated in this release ("Release").

1. I am aware of the contagious nature of bacterial and viral diseases including the 2019 novel coronavirus disease (COVID-19) ("Disease") and the risk that I may be exposed to, or contract the Disease or other infectious diseases by traveling to and from, and participating in, the Event and otherwise being on the Premises. I understand and acknowledge that such exposure or infection may result in illness, personal injury, psychological injury, pain, suffering, temporary or permanent disability, death, and/or financial loss. I understand that NCEMSF cannot guarantee that I will not become infected with the Disease or other infectious diseases while on the Premises or participating in the Event and that being on the Premises or participating in the Event may increase my risk of contracting the Disease. NOTWITHSTANDING THE RISKS ASSOCIATED WITH THE DISEASE, I ACKNOWLEDGE THAT I AM VOLUNTARILY ENTERING THE PREMISES TO PARTICIPATE IN THE EVENT WITH KNOWLEDGE OF THE DANGER INVOLVED. I HEREBY AGREE TO ACCEPT AND ASSUME ALL RISKS OF ILLNESS, PERSONAL INJURY, PSYCHOLOGICAL INJURY, PAIN, SUFFERING, DISABILITY, DEATH, AND/OR FINANCIAL LOSS RELATED TO THE DISEASE, ARISING FROM MY BEING ON THE PREMISES OR ATTENDING THE EVENT, WHETHER CAUSED BY THE ORDINARY NEGLIGENCE OF NCEMSF OR OTHERWISE.
2. I hereby expressly waive and release any and all claims, now known or hereafter known, against NCEMSF, and each of their officers, directors, employees, volunteers, contractors, agents, affiliates, representatives, members, successors, and assigns (collectively, "Releasees"), on account of personal or psychological injury, illness, pain, suffering, disability, death, or financial loss arising out of or attributable to my being on the Premises or participating in the Event and being exposed to or contracting the Disease, whether arising out of the ordinary negligence of NCEMSF or any Releasees or otherwise. I covenant not to make or bring any such claim against NCEMSF or any other Releasee, and forever release and discharge NCEMSF and all other Releasees from liability under such claims. This waiver and release does not extend to claims for gross negligence, willful or wanton misconduct, or any other liabilities that Pennsylvania law does not permit to be released by agreement.
3. I am familiar with federal, state, and local laws, orders, directives, and guidelines related to the Disease, including the Centers for Disease Control and Prevention ("CDC") guidance on the Disease. I will comply with all such orders, directives, and guidelines while on the Premises or participating in the Event, including requirements related to hand sanitation, social distancing, contact tracing, and use of face coverings. I will also follow all instructions of NCEMSF and the operator of the Premises while participating in the Event related to health and safety measures. I UNDERSTAND THAT UPON ARRIVAL AT THE PREMISES, I MAY BE REQUIRED TO SATISFY CERTAIN HEALTH PROTOCOLS SET BY NCEMSF AS A CONDITION FOR ENTRY, SUCH AS PRESENTING PROOF OF FULL VACCINATION AGAINST COVID-19, OR A NEGATIVE COVID-19 TEST. I ACKNOWLEDGE THAT IF I DO NOT PRESENT THE DOCUMENTATION REQUIRED BY NCEMSF OR OTHERWISE CANNOT SATISFY THE HEALTH PROTOCOLS, I WILL NOT BE PERMITTED TO ENTER THE PREMISES OR ATTEND THE EVENT.
4. I confirm that if I am experiencing symptoms of the Disease (such as fever or chills, cough, shortness of breath or difficulty breathing, muscle or body aches, new loss of taste or smell), or have a confirmed or suspected case of the Disease, I will not attend the Event. If I am already present at the event, I will cease participating in any event activities, immediately notify NCEMSF staff and any close contacts, and comply with all quarantine or isolation directions given by NCEMSF staff, the operator of the Premises, or federal, state, or local health authorities.
5. This Release, along with the terms of the NCEMSF Registration Form, constitute the entire agreement of NCEMSF and me with respect to the subject matter contained in this Release and supersedes all prior and contemporaneous understandings, agreements, representations, and warranties, both written and oral, with respect to such subject matter. If any term or provision of this Release is invalid, illegal, or unenforceable, such invalidity, illegality, or unenforceability shall not affect any other term or provision of this Release or invalidate or render unenforceable such term or provision in any other jurisdiction. This Release is binding on and shall inure to the benefit of NCEMSF and me and our respective successors and assigns. All matters arising out of or relating to this Release shall be governed by and construed in accordance with the internal laws of the Commonwealth of Pennsylvania without giving effect to any choice or conflict of law provision or rule (whether of the Commonwealth of Pennsylvania or any other jurisdiction). Any claim or cause of action arising under this Release may be brought only in the federal and state courts located in Montgomery County, Pennsylvania and I hereby consent to the exclusive jurisdiction of such courts.
6. BY ATTENDING AND/OR PARTICIPATING IN THE EVENT, YOU ARE DEEMED TO HAVE GIVEN A FULL RELEASE OF LIABILITY TO THE RELEASED PARTIES TO THE FULLEST EXTENT PERMITTED BY LAW.

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

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 36

NCEMSF Executive Officers

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

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Startup	Joseph M. Grover, MD
Asst Startup Coord.	Zachary Gant, NRP, CCEMT-P
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EMS Week	Jeffrey J. Bilyk, ACP(f)
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Educational Programs	Zachary Matuzsan, DO
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Webmaster	Ian Feldman
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Regional Coordinators

Canada	Evan A. Formosa
Central	Laura Hanson, DO
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New York	Matthew D. Ricci, MPA
North Central	Lucas Rappert
Northeast	Available
N. New England	Kate Kasen, MBA, RN, CEN
Pennsylvania	Ryan M. Hay, MSN, RN
Southeast	Gabe Gan, MPH, NRP
West	Tom Renner / Madelyn Sopp

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Welcome to Pittsburgh - Enjoy Your Stay!



No longer the Steel City

No longer is it the Steel City with smog-ridden streets so dark that street lights stay on all day. Now it is the bustling and exciting green city that you see before you, filled with parks, trees, and bicycle paths along the beautiful river banks. Pittsburgh has innovative chef-driven restaurants, intriguing cocktail bars, and craft breweries. The Meds/Eds/Tech industry has supplanted steel, driven by the University of Pittsburgh, Carnegie Mellon University, UPMC, Google and Uber. Cultural activities abound at the fun and hip Andy Warhol Museum, The Mattress Factory, Carnegie Museums of Art and Natural History and the Carnegie Science Center with its very own WW2 submarine. Sports are at the heart of Pittsburgh with 6 major teams: Steelers, Penguins, Pirates, Pitt basketball, Riverhounds, and the Pittsburgh Passion.

Won't you be my neighbor?

Pittsburgh, home to Fred Rogers, is a friendly city home to 90 neighborhoods (and 446 bridges). While you're Downtown, check out Point State Park to see the convergence of the famed 3 rivers or go ice skating outside at PPG Place. Check out The Strip District for great food, souvenirs and open-air markets. Go to the Southside where you can wander to interesting shops or climb on the REI climbing wall. Catch the Duquesne or Monongahela Incline ("funicular railways") up to Mount Washington to get postcard-perfect views. If heights aren't your thing, go to the North Shore and stroll along the Three Rivers Heritage Trail.

To learn more about Pittsburgh, check out www.visitpittsburgh.com

A brief history of Pittsburgh

Before the Europeans

The first thing you'll notice about downtown Pittsburgh is that is a triangle bordered by rivers. At its point is the convergence of the three rivers. This area was initially inhabited by native peoples of the Adena and Hopewell traditions who were later joined by displaced Iroquois, Lenape and Shawnee people in the 1700s. The point has been a major source of contention, commerce, trade and industry ever since the early 1700s.

The European Invasion

In the early to mid 1700s, the French colonized much of the interior North American continent. They realized that by controlling The Point at the mouth of the Ohio River, they would control access to this territory. This geography is key to Pittsburgh. From The Point, the Ohio River leads to the Mississippi River and on to New Orleans and then out to the Gulf of Mexico. The British and French raced to control The Point and it was the British who built the first fort here, Fort Prince George. The French soon attacked Fort Prince George and replaced it with Fort Duquesne.

The French and Indian War Years

Fort Duquesne was a strategic site in the French and Indian War. In 1755, George Washington was among a defeated war party led by General Braddock to capture Fort Duquesne. In 1758, British General John Forbes, with George Washington among his men, attacked Fort Duquesne. By November, the French fled, destroying Fort Duquesne on their way out. Forbes constructed Fort Pitt and named it after British Secretary of State William Pitt. He named the surrounding

(History - Continued on page 28)

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

1994 - Washington, DC	2009 - Washington, DC
1995 - Philadelphia, PA	2010 - Baltimore, MD
1996 - Albany, NY	2011 - Philadelphia, PA
1997 - Huntington, WV	2012 - Baltimore, MD
1998 - Hartford, CT	2013 - Washington, DC
1999 - Syracuse, NY	2014 - Boston, MA
2000 - Newark, DE	2015 - Baltimore, MD
2001 - Rochester, NY	2016 - Philadelphia, PA
2002 - Long Island, NY	2017 - Baltimore, MD
2003 - Washington, DC	2018 - Philadelphia, PA
2004 - Baltimore, MD	2019 - Pittsburgh, PA
2005 - Philadelphia, PA	2020 - Boston, MA - February 28-March 1
2006 - Boston, MA	2021 - Virtual - February 27
2007 - Baltimore, MD	
2008 - Philadelphia, PA	2023 - TBD - February 24-26

Pre-Conference Workshops - Friday, February 25, 2022

12:00 pm - 3:00 pm *Pre-Conference Workshop Session*

King's Garden 1

The Big Bang: WMD Considerations for the Campus Provider

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

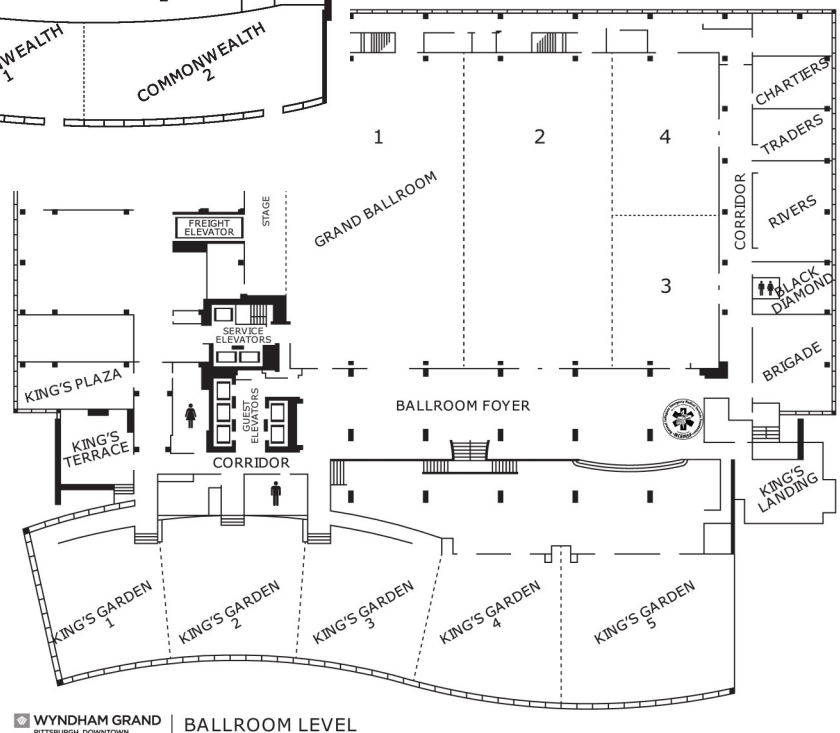
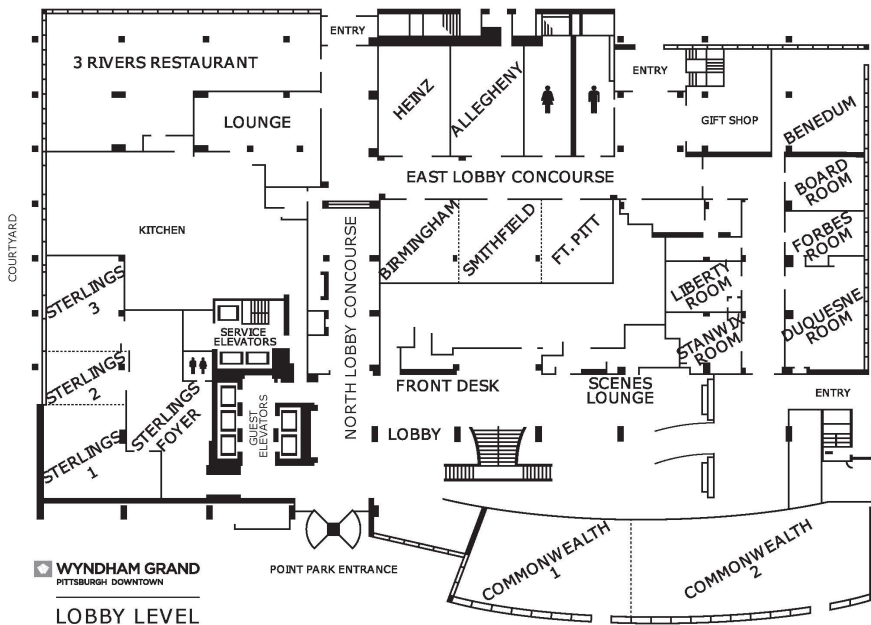
The COVID pandemic adapted many of the tactics originally developed for bioterrorism preparedness to enable EMS providers to respond to a global pandemic. In this extended pre-conference workshop, we explore and refresh on the traditional all-hazards approach to patient care. The acronym CBRNE stands for chemical, biological, radiological, nuclear, and explosive. We will spend approximately 30 minutes covering each of these disciplines to understand some fundamental concepts affecting EMS providers. Hands-on learning will be implemented to the extent practicable.

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

Ballroom Foyer

After checking into the hotel, stop by the conference registration table to check-in. All attendees must check-in individually regardless of how they registered. (Photo ID and proof of COVID vaccination 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.

Wyndham Grand Pittsburgh Downtown Hotel Floor Plan



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

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Conference Schedule - Friday, February 25, 2022

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

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

6:00 pm - 7:00 pm *Workshop Session 1* *Equitable Care: Fighting Unconscious Bias*

Commonwealth 1

James Dlutowski, NRP

Unconscious bias is present in each of our minds. The question is... can we recognize it? And if we do, what do we do about it? In this program we have an open discussion about unconscious bias and together will design a toolkit to help interrupt bias from affecting patient care. *CE Code: 311A*

EMS at Crime Scenes - *Managing Your Safety and The Integrity of The Crime Scene* *Scott Rubins, MA, EMT*

Commonwealth 2

My patient is crashing! What do you mean there is a crime scene? Why can't I step in the blood? What do you mean I can't use my trauma shears to cut there? I have to remember what I saw? I can't worry about that! Wait.....I have to? AND stay safe? Yes, you have to take care and remember. What you do at a crime scene may inadvertently destroy evidence and impact the work of police investigators and forensic experts. Preserving a crime scene and evidence is vital, easy to do and remembering detail is important. This dynamic presentation will take you through how to recognize a crime scene, stay safe, preserve important evidence, interact with the police, be able to write a proper PCR that reflects your patient's condition, the care you rendered and the disposition of your call and how to properly provide information to investigators post incident. *CE Code: 311B*

Hard Knocks: Pediatric Trauma *Justin Lonczak, MSN, CCRN, EMT-P*

Grand Ballroom 3

Big problems come in small packages! Pediatric trauma patients are infrequently encountered in the pre-hospital setting. This creates anxiety and leaves potential for error and mistreatment. This lecture will focus on doing the "small things" right to allow us to perform quick and effective management of this unique population. *CE Code: 311C*

Excited Delirium *Thomas Fletcher, PA-C*

Grand Ballroom 4

When EMS is called to assist law enforcement with a 30 year old male that is agitated and acting erratic. He is apprehended after an extended struggle. The patient is taken over by EMS and placed in the back of the ambulance. Suddenly the patient goes into cardiac arrest and dies. What happened? What went wrong? What is the physiology behind what caused this patient to crash? Let's find out what we can do as EMS providers and law enforcement to prevent this kind of death and a possible law suit. *CE Code: 311D*

7:10 pm - 8:10 pm *Workshop Session 2*

Hidden Emergencies: Clinical Cases in Endocrine Emergencies *Commonwealth 1* *Mohamed Hagahmed, MD, EMT-P*

Endocrine emergencies are often missed or mistreated by emergency clinicians. In this interactive discussion, learn to identify and treat some of these life-threatening emergencies and avoid some of the common pitfalls when treating patients with endocrine disorders. *CE Code: 312A*

Your Brain is Trying to Trick You: *Cognitive Bias and Clinical-Decision Making* *Michael Gerber, MPH, NRP*

Commonwealth 2

The most challenging parts of EMS aren't the tough intubations or the difficult rescues-it's making the right clinical decision despite all the ways your brain is trying to lead you astray. Cognitive biases happen when we make subconscious shortcuts like relying too heavily on one piece of information or only focusing on findings that confirm an initial assumption. And they happen more often to people who are sleep deprived, over-worked and taking in multiple pieces of information at the same time-sound familiar? In this session, we'll talk about the causes of cognitive bias, how to recognize them, and what steps we can take as clinicians to avoid making errors that could harm our patients. *CE Code: 312B*

Prehospital Harm Reduction, *Dynamic Strategies for First Responders* *Simon Taxel, NRP*

Grand Ballroom 3

Drug overdose is a leading cause of death in the United States. According to CDC data more than 100,000 people died from overdose in a single 12-month period that ended in April 2021. This is a prescient public

Conference Schedule - Friday, February 25, 2022

health problem and EMS responders are at the forefront of this crisis of death, disability, and communicable disease. This program defines the problem and presents a variety of evidence-based strategies that EMS agencies can implement to prevent overdose and save lives in their communities. **CE Code: 312C**

They Took What? How?

Grand Ballroom 4

Adam Joseph, BSN, RN, CFRN, C-NPT

Sometimes ingestion calls are easy, the patient tells you what they took and you know the treatment. But what happens when you don't know what they ingested? Come learn strategies to identify what they took, and assessment techniques to better steer your treatment plan. Developmental stages, patient assessment, and toxicology resources, as well as think-outside-of-the-box solutions will be discussed **CE Code: 312D**

Panel: Chiefs and Presidents Leadership

King's Garden 1

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

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

8:20 pm - 9:20 pm *Plenary Session 1*

Grand Ballroom 1

EMS at Crime Scenes - Interactive Audience Participation Event

Scott Rubins, MA, EMT

Have you ever provided EMS care at a crime scene? Crime scenes require a special approach. You don't want to be unprepared. This will be interactive, theater-style session will be facilitated by an expert in the field of forensic science where participants can try their hand at providing care at a crime scene. It will start with a short group discussion on EMS care at crime scenes, followed by a an interactive mock crime scene where select participants can try their hand at managing care at a crime scene, followed by group hot wash debrief. Audience members will be able to provide feedback and contribute to the discussion through QRS code-linked apps. **CE Code: 331A**

9:15 pm - 12:00 am *Welcome Social and Mixer*

King's Garden 2-5

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

Ballroom Foyer

Test your strength, endurance, and precision using Stryker's TrueCPR Coaching Device against the Stryker Lucas2 in a quest to outperform the machine. Contestants will perform two minutes of CPR as per the AHA Guidelines. Prizes will be awarded Saturday evening to the top performers.

SEE YOU IN THE MORNING...



PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE™

Conference Schedule - Saturday, February 26, 2022

- 7:00 am - 10:00 am** *Late Conference Check-in* *Ballroom Foyer*
- 7:15 am - 8:30 am** *Continental Breakfast* *Ballroom Foyer*
- 7:45 am - 8:15 am** *Group Introductions / Meet & Greet* *Grand Ballroom 1*
Bring the banner you created on Friday night and show your organizational spirit. Each collegiate EMS organization will have an opportunity to briefly introduce itself (school, location, number of members, level of service, how many delegates at the conference, and one unique thing about the group). Sit by NCEMSF Region so you have a chance to further mingle and meet your fellow collegiate EMS providers. Milestone anniversary awards will be presented at this time.
- 8:15 am - 9:15 am** *Plenary Session 2* *Grand Ballroom 1*
Civil Unrest: Threats to EMS Personnel and Decontamination Considerations
Matthew Strauss
Civil unrest presents a unique set of threats and hazards to public safety personnel and EMS providers are expected to provide care in these challenging environments. The response to civil unrest is unlike any other response plan in that Civil Disobedience Units (CDU) have a unique command structure, deployment tactics and mission objectives. Due to the high-risk nature of this work, a comprehensive medical threat analysis and response plan is essential to mission success. In this presentation, EMS providers will be presented with a series of threats that public safety personnel regularly face during civil unrest. Mitigation strategies, treatment best practices and prevention methods will be discussed. *CE Code: 332A*
- 9:25 am - 10:25 am** *Workshop Session 3*
Basic Rescue Medicine *Grand Ballroom 3*
Mark Pinchalk, MS, EMT-P
EMS providers often participate in rescue operations and it is imperative that they provide appropriate basic and advanced life support care during and after rescue operations to optimize patient outcomes. This program will cover the fundamentals of providing medical care in commonly encountered rescue operations such as vehicle entrapment, crush injury scenarios and low and high angle rescue evolutions.
**This lecture is paired with a 3hr off-site high fidelity simulation practical session at the Pittsburgh EMS training facility. Attending the lecture portion is a prerequisite. Transportation provided - van leaves from the lobby promptly at 1:30 pm. Sign-up for the skills lab will only be available during the lecture (max 24 students) *CE Code: 313B*

A Note about NCEMSF Lectures

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

Most session abstracts also have associated learning objectives available in the online electronic version of this program. Visit www.ncemsf.org/conf2022 to view the electronic program or to download a PDF of this program to your smartphone or tablet.

Sessions are open to all, however, **seating in all rooms is limited intentionally to 75-100 people** to permit for adequate distancing (masks are required and no eating/drinking in lecture rooms). So plan ahead to avoid being shut out of a lecture you really want to hear (note: many presentation slides will be made available online post conference). In deciding which lectures to attend, consider your personal as well as corps' needs. For example, new startup organizations may want to prioritize lectures in the administrative/leadership track. Larger groups in attendance may want to divide up so that delegates are in each lecture rather than all sitting together in one session.

All Skills Labs and Tours have LIMITED CAPACITY. Sign-ups for these Skills Labs are *online (ncemsf.org/skills-labs) only beginning at 7am on Saturday.*

- Log into the NCEMSF website and 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.

For the hearing impaired: closed captioning is available for all Plenary and Lightning Sessions, Grand Ballroom 3 on Friday night, and King's Garden 1/2 on Sunday: <https://2020archive.1capapp.com/event/ncemsf/>.

Conference Schedule - Saturday, February 26, 2022

High Fidelity Simulation on a Low Fidelity Budget

Grand Ballroom 4

Robert Walker, NRP

In this session, Rob Walker will share goals and common pitfalls in simulation training, methods of developing measurable EMS simulations, and list examples, tips, and tricks on how to use simple props and low-cost items to dramatically increase the realism of initial and ongoing training scenarios using simulation. This session is designed for EMS educators, training officers, or anyone who wants to add realism and measurable goals to their scenario-based training. **CE Code: 313C**

Surfside Collapse: A Month Remembered

King's Garden 1/2

Benjamin Abo, DO, EMT-P, EMTT, FAWM

June 24, 2021 at 1:25 in the morning extremely quickly went from a low hazard partial wall collapse/water-flow alarm of a garage to an international incident that was the 3rd largest single building disaster in US history. You will hear first hand from Miami-Dade Fire Rescue's FLTF-1 USAR physician, Dr. Benjamin Abo, trials and tribulations from that unfortunate event. Within hours, Dr. Abo was on scene with the fire department and USAR and tech rescue teams throughout the month long deployment for rescue and recovery. From crush injuries to burns to searches to thunder & lightning to tornado and hurricane watches to hazardous materials and K9 care and beyond...there are so many lessons to be learned. **CE Code: 313D**

What Saves Lives In An Active Shooter Event

King's Garden 3/4

Ron Roth, MD

On 10/27/2018 a single gunman entered the Tree of Life Synagogue in Pittsburgh. In the aftermath, after action reports identified several factors that saved lives during the tragedy. Sharing this findings has the potential to save lives should tragedy strike in other locations. **CE Code: 313E**

Hot Topics In EMS

King's Garden 5

Adam Fox, DO, FACS

The saying "Innovate or Die" has been used by many people. It may be more appropriate and literal in the EMS community where identifying new trends and perhaps life-saving techniques are important for care of the individual patient. This talk will examine several of the current hot topics and trends in the EMS community. **CE Code: 313F**

Sense & Sensitivity:

Commonwealth 2

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: 313G**

Lightning Talks

Grand Ballroom 1

In this first of five similar sessions throughout the day, three 15-20 minute high-yield, fact-filled talks will make up the hour, exposing attendees to a variety of relevant topics.

My Hospital Is Better Than Yours: Choosing the Right Patient Destination

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

Identifying the appropriate hospital to take a patient is a decision every EMS provider makes regularly. Sometimes the choice is easy, sometimes not so easy. In this presentation we will review the different types of specialty receiving hospitals and patients best cared for at these facilities. Criteria used to select the appropriate facility will be discussed. Regulatory and other barriers in making transport decisions will also be identified. How the Emergency Medical Treatment and Active Labor Act (EMTALA) impacts EMS will also be considered.

One Pill Killers: Beta Blocker and Calcium Channel Blocker Overdose

Adam Joseph, BSN, RN, CFRN, C-NPT

Kids get in to everything, and sometimes that includes medicines. Beta Blockers and Calcium Channel Blockers are very commonly prescribed medications which means access to them is easy. Unfortunately this leads to ingestions and overdoses, both intentional and unintentional. Participants will learn physiology and pharmacology, as well as assessment findings and treatments for these overdoses.

Shock Index: A vastly underutilized metric in understanding clinical acuity

Gabe Gan, MPH, NRP

Prediction tools and risk stratification indices are of great utility in the evaluation and management of the acutely ill and injured. Shock index (SI), defined as the ratio of heart rate (HR) to systolic blood pressure

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(SBP), is one such measure that has been studied in both medical and trauma patients. This lecture will review the different SI calculations, describe the utility of SI in emergency medicine and EMS, and identify novel uses for SI in clinical decision-making, resource allocation, and patient flow. *CE Code: 313A*

Roundtable Discussions

This session will serve as the first of many small roundtable and panel discussions this weekend that will allow squads to network formally with their fellow schools and discuss issues facing their organizations. NCEMSF Leadership will moderate conversations specific to various campus based EMS core issues providing a forum for communication and creating an environment where ideas can be exchanged and problems solved. Roundtables are limited to one or two representatives per school, and are ideally attended by current or aspiring leadership. Panels are open to a wider audience and provide an opportunity to directly ask questions of your peers and colleagues. Share your successes and failures and learn from one another. Continue conversations throughout the conference weekend and the year.

Roundtable: Administrator/Advisor/Medical Director

Duquesne

Joshua A. Marks, MD, NCEMSF Secretary, Moderator

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: 313H*

Roundtable: The Pros and Cons of Social Media

Benedum

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

The advent of social media platforms has widely enhanced the ability of organizations to interact with their constituents, message their mission and educate the public. Social media can be used to engage, advertise and celebrate achievements. Conversely, an organization's image can be equally damaged by a single post. In this roundtable discussion, NCEMSF leadership will facilitate discussion about responsible social media utilization for campus based EMS. *CE Code: 313I*

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

Quality Matters: Making Your QA/QI Program Work

Grand Ballroom 3

Tyler McCardell, MD, EMT-IT

Whether you are an experienced agency leader or brand-new EMT, we have all likely experienced the instinctive dread of getting a "QA Flag" on a chart. However, it doesn't have to be this way! In this session, we will explore the reasons why QA/QI is important to agency operations, how to provide feedback in a constructive manner, strategies to create a QA/QI program that encourages continuous improvement, and an introduction to using QA/QI data in decision-making. We will then apply these skills to sample patient care records and provide an opportunity to share existing best practices from your colleagues. This session is appropriate for both ALS and BLS providers. *CE Code: 314B*

Show Me The Money!

Grand Ballroom 4

Funding a Campus Agency Beyond Your University Budget

Sheila Elliott, MS, NRP and Scott Bell, BS, NRP

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 2 full time campus EMS administrators 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. *CE Code: 314C*

When Stroke is a Joke: Challenges in Prehospital Stroke Triage *King's Garden 1/2*

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

Stroke is indeed a time sensitive disease, and delays in definitive care are linked to worsened outcomes. Stroke can be extremely difficult to detect, and current strategies for identifying serious large vessel occlusions are imperfect. Dr. Lawner will review the literature related to stroke triage and discuss challenges in the accurate treatment and transport of these patients. Help make the best choice for patients experiencing signs and symptoms consistent with stroke. *CE Code: 314D*

Fire Down Below:

King's Garden 3/4

Pathophysiology and Management of Inhalation Injury

Stephen Richey, RRT-NPS, RRT-ACCS, RPT, FRAI

Inhalation injuries are often mistakenly thought of as simply "smoke inhalation". The term actually refers to a complex and variable mix of conditions that can arise from thermal or chemical injuries and, just as

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importantly, the various responses of the body to the initial insult. They are present in up to one third of serious burns and can increase mortality by 20%. A thorough knowledge of their assessment and management in the prehospital setting can help to improve outcomes. *CE Code: 314E*

New Drug Alert!

King's Garden 5

Pennsylvania's First Prehospital Buprenorphine Program

Joshua Schneider, NRP

Prehospital providers have not been given the necessary tools to combat the overdose crisis. In the face of one of the worst public health crises our country has confronted, EMS providers have served as a safety net for vulnerable individuals who use drugs that our health and human services systems have failed to support. The result is a crush of patients experiencing opioid overdoses and an EMS system that is struggling to keep up. This session will explore the expanded role that EMS can play in preventing opioid overdoses. The City of Pittsburgh has taken a novel approach to overdose prevention by using data to inform a wide range of targeted public health interventions and menu of policy options. This includes a program that allows paramedics to administer buprenorphine to treat opioid withdrawal, the first program of its kind in Pennsylvania. Come learn about the City of Pittsburgh's overdose prevention efforts and learn how these programs and policies can be applied to your EMS agency. *CE Code: 314F*

Healing The Healers:

Commonwealth 2

Acknowledging and Resolving the Dangers of Sexual Harassment in EMS

M. Carl Flesher, MSIS and Allison Denman, SANE, BSN, MSFS

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: 314G*

Lightning Talks

Grand Ballroom 1

Collegiate EMS, Versatility During the Pandemic

Shay Parker, Emergency Medical Technician; EMS Program Coordinator

The pandemic has created unique obstacles for the globe as a whole. Collegiate EMS agencies are not exempt from these challenges. Young emergency medical providers have had to learn to improvise, adapt, and overcome in ways no one could have foreseen. This presentation details how Arizona State University has utilized innovation and creativity to not only protect their campus from COVID-19 but to prosper and grow their EMS program in ways only a pandemic could have provoked. Learn how collegiate EMS can be versatile and contribute to campus health in unconventional ways.

Stories from a Pediatric Flight Nurse

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

Come hover over as we discuss a case study that had us firing on all cylinders! We will talk about how we planned for the run as well as what we did and how we reacted when things didn't go the way we wanted to. We will also cover some key concepts in pediatric critical care transport. This fast pace case study will keep you on your toes! Who knows... maybe you will be in my boots one day!!

Flying High in EMS: Applying aviation's lessons to the prehospital industry

James Dlutowski, NRP

The aviation industry has an impeccable safety record and an unmatched event review process. Federal agencies and legislative bodies have unimpeded access to investigate, recommend and implement changes. What lessons can EMS agency leaders learn from these processes to make a more just culture and improve safe and efficient operations? *CE Code: 314A*

Roundtable: Technology

Benedum

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

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

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

21st 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. This year, the Vomacka Competition will follow the same format as the lightning talks - three 15-20 minute talks will make up the hour.

Collegiate Mental Health Patients: To ED or Not to ED?

Grand Ballroom 1

Maria Zou, NREMT and Christine Schremp, NREMT

Mental health emergencies make up nearly 1 in 10 EMS calls, and they comprise an even larger proportion in the collegiate setting. 75% of these calls result in emergency department transports, where patients can wait 6.8-34 hours for medical clearance. With growing hospital staff shortages and a seemingly never-ending stream of COVID-19 patients overwhelming capacity, these wait times are only estimated to grow. Of the mental health patients who call collegiate EMS for help, how many of them will actually benefit from an ED visit? Is there an alternative transport location that could provide more appropriate care? This lecture will discuss how collegiate EMS agencies can implement training techniques to de-escalate mental health calls and utilize specialized outside resources to help us make the best transport decisions. We will provide ways to integrate University Counseling and Psychological Services during EMS calls and consider new transport destinations to psychiatric specific facilities. We will also examine new wave pilot mental health response methods in EMS agencies, and how we can implement aspects of these systems to better provide for our collegiate mental health patients.

Defining the Role of EMS in Behavioral Health Emergencies

Margaret Akey, BS, EMT and Adam Kipust, EMT

Behavioral health emergencies are extremely prevalent in the U.S., particularly among college aged students. Due to decentralization of Public Service Answering Points and lack of regulation, there is significant variation in dispatch practices and resources available to respond to behavioral health emergencies. Patients experiencing behavioral health emergencies often are assessed and transported by law enforcement officers instead of medical professionals. In order to ensure that behavioral health emergency patients are receiving the best possible care, it should be standardized that properly trained EMS professionals are on scene for behavioral health emergencies to take responsibility for the assessment, treatment and transport decisions for patients. In the emergency department, patients often have long stays where they are waiting for psychiatric assessment and inpatient bed availability. By giving ambulances alternative transport destinations, EMS can better serve this patient population. Finally, we identified opportunities for increased training for EMS providers, especially for collegiate based EMS programs to better evaluate and treat patients experiencing behavioral health emergencies.

The D Word: Making Effective Diagnoses in the Field

Lily Nong, NRP and Andrew Bober, NRP

How many people have been told or taught that EMS providers can't diagnose? Despite this, recent national educational changes have made it clear that it is imperative for EMS providers to develop a "differential diagnosis" in order to create and execute a treatment plan. We believe that the ability to diagnose is not just an ALS skill, but can be completed at any provider level. This presentation reviews a variety of different vital signs and diagnostic tools that can be utilized to create accurate treatment plans and stabilize patients until arrival at an emergency department. From basic vital signs such as pulse oximetry to diagnostic tools such as point of care ultrasound, this presentation will appeal to and provide educational value for all provider levels. Attendees will learn how to present confident diagnoses to receiving facilities and be seen as more than just "ambulance drivers." Interactive discussion will enrich the presentation and foster confidence in developing a differential diagnosis. **CE Code: 315A**

Regional Roundtable Discussions

King's Garden 1-5

NCEMSF National and Regional Coordinators

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

12:30 pm - 1:30 pm Lunch

With an hour for lunch, we recommend heading over to Market Square (0.3 miles/6 minutes). It's an open landscaped square surrounded by many quick lunch options, including the famous french-fry-and-coleslaw-filled Pittsburgh sandwich from *Primanti Brothers*. See a listing of options on page 28.

Pittsburgh Heavy Rescue Tour

Pittsburgh EMS is one of the few EMS-based rescue services. What does it take to be a rescue-medic? What makes Pittsburgh's EMS-centered rescue approach different from fire department-based rescue services? Come find out by speaking with rescue-medics and taking a tour of a Pittsburgh EMS Heavy Rescue Truck. It will be stationed just in front of the hotel during lunch.

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

The "Refusal of Transport": Your agency's biggest liability.

Grand Ballroom 3

Scott Bell, BS, NRP and Sheila Elliott, MS, NRP

Legal liability is a subject of upmost importance for Collegiate EMS programs, as many programs are subject to their respective university 'legal department.' Often times, these 'legal departments' are the hurdle that student leadership and administrators must overcome. Refusal of transports, or "no rides" are an area of high legal liability that can pose a significant risk for collegiate EMS programs, and very quickly attract the negative attention of a University Legal Department. All leadership of any collegiate EMS program should be very aware of these areas of liability, have strategies to reduce legal risk, and have a system in place to ensure that these strategies are being followed. In this session, we will discuss certain areas of legal liability and how they relate to refusal of transports. We will discuss strategies that reduce the risk of liability, such as: documentation techniques, clinical oversight, and policies and procedures. We will share the experiences at the University of Texas at Dallas, and showcase some of the ideas we have incorporated to reduce overall risk. CE Code: 316C

Creating a Protocol for Intoxicated Collegiate Patients:

Grand Ballroom 4

A DIY Adventure

Thomas Goode, MS, NREMT

Virtually all collegiate EMS providers encounter an college-aged patient intoxicated from the classic "two beers." While these patients may require evaluation by prehospital providers, hospitalization for some may be unnecessary and these patients may be allowed to refuse further care and transport. Yet, in the age of liability where collegiate agencies face scrutiny from college or university administrators in addition to medical directors, facilitating a patient refusal is often difficult and inherently risky. This presentation explores the multi-year evolution of Carnegie Mellon University's agency-specific alcohol refusal protocol from an initial, unofficial set of criteria to a comprehensive, research-based policy developed and iterated between multiple agencies and departments. This lecture will review the medical and legal essentials for evaluating intoxicated patients, offer guidance and criteria useful to determining patient outcomes, and provide agencies with the necessary elements to think critically about their own processes for allowing intoxicated patients to refuse transport. CE Code: 316D

Provider-Led Innovation

King's Garden 1/2

Spencer Braunstein, NRP, Kenneth Picard, NRP and Josh Worth, CEMSO, NRP

This multi-speaker presentation by Medical Rescue Team South Authority will delve into how MRTSA has developed an organizational structure that has empowered field providers at every level to lead organizational change, and how employee culture plays a role. This will look at projects in recent past, including the design of industry leading ambulances, current mentalities and strategies employed by management, and future initiatives to progress further. Tours of MRTSA's Safety ambulance will be available at 2:40 PM outside the hotel lobby entrance. CE Code: 316E

Germes Gone Wild 2.0 : Is Your Agency Ready for the Next Bug

King's Garden 3/4

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

Zika, SARS, MERS, EBOLA. It seems like there is a new disease to worry about every few months. Some oldies but goodies like Measles and Mumps are making a come back as well. In this session we will review the principles of disease transmission and barrier precautions (BSI, Standard/Universal precautions). We will identify and discuss various diseases of recent interest including Zika, EBOLA, MERS, Mumps, etc. We will also review the Center for Disease Control (CDC) new Crisis and Emergency Risk Communication (CERC) plan used as new diseases emerge. Strategies and tactics for the EMS provider to handle these situations will be discussed. CE Code: 316F

TCCC in a Nutshell

King's Garden 5

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: 316G

What Could Go Wrong?

Commonwealth 2

Using Environmental Situational Awareness to Improve Care

David Gordon, EDAC, EMT

Prehospital care teams uniquely respond anywhere, often to new and unfamiliar places. In a single shift, a collegiate EMS crew may be called to an apartment, classroom building, roadway, or crowded late-night venue. While EMS teams assess clinical unpredictability and possible life threats, they also need to evaluate environmental unpredictability and maintain situational awareness. This environmental assessment begins in the dispatch, continues in the scene size-up, and may need revisiting throughout the call. What can you do to help your surroundings work for you? This interactive talk will highlight factors influencing care to identify a playbook for the scene size-up and ongoing considerations to reassess throughout the call. CE Code: 316H

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Lightning Talks

Grand Ballroom 1

Community and Youth Education & Engagement: First-Aid & CPR

Catherine Gibbs, BSN, RN, PHRN, EMT-I

Emergencies are unpredictable and can occur at any moment. Over 240 million 9-1-1 calls are made in the United States each year. The national average for an emergency response is approximately fifteen minutes. Response times vary significantly based on location. Is your community prepared to help when an emergency arises? When it comes to saving lives, every second counts, and a prepared bystander can mean the difference between life and death. This seminar is designed to provide the tools and knowledge necessary for EMS teams to bring lifesaving initiatives to their community. The presentation will cover how to engage students based on learning styles, how to promote long-term success and growth of programs, and youth EMS education.

How to Get Your Research Published

Ernest Wang

Research provides an exciting means to contribute to the advancement of knowledge in collegiate EMS and the broader medical field. Conducting research also opens up significant opportunities for travel, networking, and career development. Research can be fun, challenging and rewarding. Our goal for this session is to get you started on the path to conducting research and to help you get past some of the challenges. We will focus on the major steps of performing a successful research project from start to finish.

Intelligent Disobedience: A Leadership Perspective

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

This presentation will discuss the concept of intelligent disobedience. We will discuss how it can have positive effects on an organization's creativity and productivity and discuss how to an organization can embrace intelligent disobedience and harness its power. **CE Code: 316B**

Roundtable: Startup

Duquesne

David Afienko, DO, NCEMSF Massachusetts Regional Coordinator, Moderator

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: 316I**

Roundtable:

Benedum

Administrative Challenges in a Collegiate EMS Agency

Raymond Lovell, NRP

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 that our agencies face and tools we can use to continue to improve. **CE Code: 316A**

Walking Tour of Pittsburgh River Rescue

Hotel Lobby

Explore the base and boats of the elite Pittsburgh River Rescue. As seen in the movie *Striking Distance* starring Bruce Willis, Pittsburgh River Rescue is a unique combined police-EMS unit that performs law enforcement, EMS and rescue services while preventing and responding to water-borne emergencies on the three rivers of Pittsburgh. Participate in an exclusive tour provided by Pittsburgh EMS. Meet in the hotel lobby at the start of this session and we will take the brief walk over to River Rescue's base.

****This Tour is LIMITED TO THE FIRST 25 PARTICIPANTS. Sign-ups are online (ncemsf.org/skills-labs) only beginning at 7am on Saturday (see page 9 for details).**

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

Cardiac Arrest in the Capital City

Grand Ballroom 3

Gabe Gan, MPH, NRP

Washington, DC has one of the highest rates of out of hospital cardiac arrest (OHCA) in the nation. In 2020, the overall incidence was over 135 per 100,000 residents, more than 40% higher than the national average. DC Fire and EMS has spearheaded efforts to improve OHCA survival through convening the District of Columbia Resuscitation Collaborative, a group composed of key stakeholders in the areas of community response, dispatch, EMS, hospital care, and post-hospital recovery. This lecture will demonstrate the benefits of a systems approach to improving health outcomes and highlight both the small wins and challenges experienced during the infancy of this effort. **CE Code: 317B**

Understanding & Changing the Culture of Your Organization

Grand Ballroom 4

Brian Brauer, EdD

This presentation is a must for leaders of collegiate EMS organizations that are looking to implement a new program, make significant changes to their service delivery, or address shortcomings in how their agency operates. The presentation begins with an understanding of culture, what it means, and how to describe it.

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Next, examples of how culture is manifested in collegiate EMS organizations will be discussed, drawing upon the experience and examples from the audience. Gagliardi's model will be used to frame a discussion on how to change culture in EMS organizations, based upon the presenter's ongoing research. Participants will leave with an understanding of how change initiatives succeed or fail, and with resources to make successful changes in their collegiate EMS organization. *CE Code: 317C*

E*M*S*-A Three-Pronged Approach for Managing COVID Fatigue *King's Garden 1/2* **Eric Garrison, MAEd, MSc**

When you combine the stressors of school, friends and family, day-to-day living, politics, finances, volunteering, that essay due next week, and planning your future career, a pandemic such as SARS-CoV-2 adds even more to your plate. In this brief workshop, learn the methods to manage (never "to eliminate") the pressures that the COVID-19 pandemic causes. Walk away with some tips and trips by a COVID-19 survivor (February 2020) who is also one of the nation's leading campus speakers on college wellness. *CE Code: 317D*

Be The Solution: *King's Garden 3/4* **Collegiate EMS Agencies Running COVID Vaccination Clinics**

Robert Mead-Colegrove, MEd, EMT-B, Jillian Chapman, EMT-B and Erin Berdan, EMT-B

Collegiate EMS agencies are in a pivotal position to aid College Campuses when problems arise. As the COVID pandemic was in full-swing, one college campus needed assistance in getting students, faculty, and staff vaccinated. Learn how one Collegiate EMS agency was able to coordinate clinics, order vaccinations, and administer vaccinations on campus. Hear from student EMTs who aided the campus in their vaccination efforts. The agency then expanded to work with the local community to vaccinate (5-11) pediatric and (12-18) young adults. *CE Code: 317E*

Unconventional Medicine in Law Enforcement *King's Garden 5* **Mark Warren, MS, NRP**

Law enforcement operations require a variety of technical skills to resolve successfully, with medicine playing a key role in all phases. Medical providers imbedded into law enforcement teams must understand the responsibilities of their position and be prepared to respond to a wide variety of tasks. Understanding the differences in conventional medicine practiced in the back of an ambulance versus the fluid dynamics of medicine in an evolving law enforcement operation will help position providers with the skills required to function in that environment. A review of lessons learned during past events will help providers understand the ever-changing nature of their role, broaden their prospective on medicine, and promote high levels of patient care on target. *CE Code: 317F*

Hallucinations, Delusions, Illusions? **Understanding the Confusion of Prehospital Psychosis** *Commonwealth 2* **Chris Wend, NRP, FP-C**

Patients in acute psychosis can present a difficult and potentially dangerous situation for emergency medical services clinicians. Drug use and a multitude of stressors are often found in the collegiate environment, which can instigate psychological pathology. We will discuss the potential causes of psychosis, from illicit drugs to chronic psychological conditions, and review how to manage these patients safely in the prehospital environment. *CE Code: 317G*

Lightning Talks *Grand Ballroom 1*

Are Tattoos valid DNR Orders?

N. Alex Cutsumbis, NRP

Advanced directives can be tricky to navigate as an EMS provider. I can be even more so when said directive is a tattoo on your patient's chest. In this lecture we will dive into the ethical and legal challenges of tattoo based DNR orders.

Can Someone Please Tell Me What's Going On?

Michael Ariskin

After hundreds or possibly even thousands of calls, the ambulance becomes a very familiar place to you. Despite what now might seem routine to you, many patients have never interacted with EMS before. By learning to recognize when this divide is greatest, you can make sure to provide patient care that is sensitive to the elephant in the ambulance: your patient might have no clue what's going on!

Can They Actually Refuse?

Cameron Decker, MD, LP, FACEP, FAEMS

Have you ever evaluated an intoxicated patient who you were on the fence about allowing to refuse care or transport? We all have! Unfortunately, most EMS training programs over-simplify a highly dangerous (and litigious) part of the patient encounter: assessing capacity. We'll explore how you can confidently assess if a patient has the right to make (sometimes foolish) decisions on their own. *CE Code: 317A*

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Roundtable: Effects of COVID on Your Organization

Benedum

Stephen J. Lanieri, NCEMSF National Coordinator, Moderator

The COVID-19 pandemic has defined the last two years. This roundtable discussion will focus on how COVID has changed campus based EMS. Other sessions will focus on the medical preparedness and treatment of this novel virus; the goal in this session is to share administrative and training challenges encountered and review and explore solutions to those challenges. *CE Code: 317J*

Skills: Management Of Aggressive Behaviors (MOAB)

Commonwealth 1

M. Carl Flesher, BS, MSIS

In EMT class the extent of scene safety is looking quickly around the room and saying the scene is safe. If you think that's sufficient don't attend this class. If you want to be ready to handle upset patients and family, this class will set you on the path to success for these difficult encounters. You will learn how to more safely approach, speak to and de-escalate anxious, angry and potentially violent patients. This class also includes a few basic escape moves. Be ready for hands-on participation and experience. *CE Code: 317H*

****This Skills Workshop is LIMITED TO THE FIRST 25 PARTICIPANTS. Sign-ups for Skills Labs are online (ncemsf.org/skills-labs) only beginning at 7am on Saturday (see page 9 for details).**

Tour of MRTSA's Safety Ambulance

Lobby Entrance

MRTSA is a leading provider of EMS in the Pittsburgh region. Recently, MRTSA brought into service a uniquely designed ambulance with many safety features for EMS providers and patients. Come see what makes this one of the safest ambulances on the streets today. MRTSA EMS providers will be on hand to answer all of your questions.

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

Ballroom Foyer

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

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

Grand Ballroom 3

Stats, Stat!

Leveraging Data to Improve Care, Operations, and Inclusion

Thomas Goode, MS, NREMT

Collegiate EMS agencies face a variety of common operational challenges, from staffing issues to underwhelming recruitment and retention rates. Low call volumes, high member turnover, and non-targeted recruitment strategies often exacerbate these issues. Yet, agencies often possess or can collect data, from trends in patient care reports to commonalities among potential members, which can mitigate some of these difficulties. This iteration of "Stats, stat!" examines the clinical care and organizational benefits of applying straightforward analysis to easily obtainable information. This presentation also overviews basic statistical analysis which enables agency leaders to more effectively implement inclusion and equitable opportunities, recognize members struggling with clinical skills, identify members likely to leave an organization or applicants likely to join the agency, and forecast call volumes to lend quantitative evidence to that well known, anecdotal suspicion that "tonight will be a bad night." This lecture highlights the interconnectedness and diverse applications of these easily obtainable metrics, presents the results of these applications at Carnegie Mellon University EMS and the City of Pittsburgh EMS, identifies flaws and methodology improvements, and generalizes these approaches to enable audience members to identify their own solutions based on agency-specific priorities and needs. *CE Code: 318D*

Risk and Resource Management for EMS providers;

Grand Ballroom 4

An Airline Pilot Perspective

Paul Koch, MSAE, NRP

In its 1999 report, "To Err is Human," the Institute of Medicine brought the issue of medical errors to light stating the "more people die in a given year because of medical errors than motor vehicle accidents, breast cancer, or AIDS." There is little evidence to indicate that there has been any progress made by the medical community to reducing these errors, and several recent studies show that rate may be worsening. Commercial aviation, on the other hand, has made incredible progress over the last 50 years towards increasing safety and reducing risk in its operations. A large part of that effort has been addressing the role of human factors in mishaps and the use of risk and resource management techniques to minimize risk and reduce errors. This session will look at Risk and Resource Management (RRM) from an airline pilot perspective, draw similarities with EMS and show how providers can use similar strategies to reduce errors and minimize risk. *CE Code: 318E*

V/Q Bushido: Becoming an ETCO2 Samurai

King's Garden 1/2

Jeffrey Bilyk, ACP(f)

Sharpen your swords and become an ETCO2 Samurai! From sepsis to diabetes to trauma, this case study style lecture will review how ETCO2 can be utilized to assist in both diagnosis and treatment of various disease processes. Students will understand the pathophysiology of ETCO2 monitoring and develop a solid basis for this tool in prehospital care through actual calls and a review of relevant research. *CE Code: 318F*

Conference Schedule - Saturday, February 26, 2022

Syncope: Who Do I Need to Worry About?

King's Garden 3/4

Zachary Matuzsan, DO

Syncope, or transient loss of consciousness, is a common pre-hospital chief complaint. While many causes of syncope are benign, this symptom can be a harbinger of a life-threatening illness. So how do we determine in the field who has a potentially dangerous cause of syncope? Come learn about various etiologies of syncope in a case-based style. We'll discuss the red-flag symptoms that may point towards a dangerous cause along with reviewing the general approach to this chief complaint. EKG basics will also be covered in addition to preparing you for your next syncope call! **CE Code: 318G**

1st Due Action for the Non-Transporting EMT

King's Garden 5

J. Dominic Singh, BA, 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: 318H**

Poor Prognostic Indicators: A BLS Patient Assessment Review

Commonwealth 2

Stu Rosenhaus, EMT, CIC

A review of key signs and symptoms will help prehospital care providers quickly identify immediate life threatening conditions. The focus will be on developing critical thinking skills needed during patient assessment, including the need for rapid interventions and transport decisions. **CE Code: 318I**

Lightning Talks

Grand Ballroom 1

Building a Better Behavioral Health Bridge through 911 Diversion

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

In 2021, the Baltimore City Fire Department initiated a behavioral health / 911 diversion program. In an effort to link callers to the "right resource at the right time," the 911 call center began "diverting" callers in crisis to a trained mental health clinician. Dr. Lawner will discuss the rationale for the program and outline expectations of the novel behavioral health response strategy. Challenges to implementation are highlighted. Dr. Lawner will also discuss a "best practices" approach to diversion.

Achieving a More Equitable EMS System

Michael Gerber, MPH, NRP

Sometimes it's hard to see how our own policies, practices and clinical care can impact inequities in the healthcare system. After all, EMS systems are certainly equitable in one aspect: just about anywhere in the country, if you call 911, someone will respond. But health equity is about more than showing up. To truly be equitable, EMS leaders and clinicians must take a look at every aspect of their systems, using data, community outreach and education to identify and address disparities. In this talk, we'll take a look at what it means to advance health equity in EMS and specific steps you can take today to ensure you're giving every patient fair and just opportunity to live a healthy life.

H2-ow!: Water Related Trauma

Benjamin Abo, DO, EMT-P, EMTT, FAWM

Sharks, propellers, jet skis, rocks...what could go wrong? LOTS. This lightning lecture will review water related injuries and how to manage them. There will be some graphic media presented...you've been warned. **CE Code: 318C**

Roundtable: Engaging Your Alumni Network

Benedum

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

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: 318B**

Skills: Pediatric Critical Care Bundles

Commonwealth 1

James Dlutowski, BS, NRP

For many EMS providers, pediatric emergencies are few and far between. This may be particularly true for campus EMS agencies. While these emergencies are low frequency, they can be high-impact. Recognizing and treating a critically ill child with maximal medical therapy can be a challenge for not only new providers, but the experienced as well. In this program, we review the three most commonly under-recognized and under-treated pediatric emergencies and how to manage them. **CE Code: 318A**

****This Skills Workshop is LIMITED TO THE FIRST 25 PARTICIPANTS. Sign-ups for Skills Labs are online (ncemsf.org/skills-labs) only beginning at 7am on Saturday (see page 9 for details).**

Conference Schedule - Saturday, February 26, 2022

5:00 pm - 6:00 pm *Major John P. Pryor, MD Memorial Lecture* *Grand Ballroom 1*
Introduction
George J. Koenig, Jr, DO, NCEMSF President

Shock Trauma Platoon at the Afghanistan Evacuation

Nicole Cook, DO

The Shock Trauma Platoon (STP) is a small, mobile medical unit designed to support the United States Marine Corps combat operations. Join LCDR Nicole Cook as she takes us on a journey through the history of the shock trauma platoon and their pre-deployment and mass casualty training in Saudi Arabia and Kuwait. Dr. Cook will discuss the challenges the STP encountered with their mission at the Kabul International Airport in Afghanistan during the evacuation, describe the suicide vest explosion, and present case studies of four different patients, their treatment, and evacuation. *CE Code: 333A*

6:00 pm - 7:00 pm *Leadership Presentation & Business Meeting* *Grand Ballroom 1*
George J. Koenig, Jr, DO, NCEMSF President

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

Awards Ceremony

NCEMSF recognizes outstanding efforts made by individuals and organizations through its awards program. The winners of the Stryker EMS Skills Classic and CPR Challenge will be announced. New additions to NCEMSF's Striving for Excellence, HEARTSafe Campus and EMS Ready Campus Programs will also be acknowledged. Campus EMS providers who have participated directly in a CPR save over the past year also will be commended.

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* *Commonwealth*

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

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

After a long day, it's time to unwind and eat! Try one of the many restaurants surrounding the conference facility. Consider pairing up with another squad and eating together and continuing conversations from earlier in the day. See a listing of local restaurants and nighttime suggestions on page 28 or consult the Hotel Concierge.

After dinner, there is plenty to do! Stay out and enjoy Pittsburgh or return for in hotel festivities.

10:00 pm - 1:00 am *NCEMSF Social Events*

10:00 pm - 11:55 pm - *Comedy Club - Grand Ballroom 1/2*

Join the fun and laughs at the NCEMSF Comedy 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 comedy club presented by Steel City Arts Foundation (better known as Steel City AF— <https://www.steelcityaf.com/>), a live/work/play environment for comedians in Pittsburgh, Pennsylvania

10:00 pm - 1:00 am - *NCEMSF Casino - King's Garden 1-5*

Try your hand at beating the NCEMSF house at your favorite casino games including Black Jack, Poker, Craps, Roulette...Great prizes are available including a plethora of EMS supplies. No worries, there is no penalty for losing and no real money will be exchanged. Play risk free! The room will remain open for an additional while as a place to congregate without disturbing other hotel guests

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

Schools in Attendance

*At the time of publication, the following 80 universities (809 + 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	6	AZ	Central	BLS	QRS
Binghamton University	25	NY	New York	ALS	Ambulance Transport
Boston University	1	MA	Massachusetts	BLS	QRS
Brandeis University	20	MA	Massachusetts	BLS	QRS
Brown University	6	RI	Northeast	ALS	Ambulance Transport
Bryn Mawr College	6	PA	Pennsylvania	Startup	
Carnegie Mellon University	23	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	22	OH	Midwest	BLS	Transport
Clarkson University	13	NY	New York	BLS	QRS
College of Charleston	5	SC	Southeast	ILS	Ambulance Transport
Colorado College	3	CO	Central	BLS	QRS
<i>Columbia University</i>	<i>16</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Cornell University	16	NY	New York	BLS	QRS
<i>Daemen College</i>	<i>4</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	
Drexel University	13	PA	Pennsylvania	BLS	QRS
Duke University	12	NC	Southeast	BLS	QRS
Eastern Arizona College	2	AZ	Central	EDU	
Eckerd College	17	FL	Southeast	FR	QRS
Embry-Riddle Aeronautical University	10	FL	Southeast	BLS	QRS
<i>Emory University</i>	<i>4</i>	<i>GA</i>	<i>Southeast</i>	<i>ILS</i>	<i>QRS</i>
Florida Institute of Technology	4	FL	Southeast	Startup	
<i>Georgetown University</i>	<i>12</i>	<i>DC</i>	<i>Mid Atlantic</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Georgia Institute of Technology	1	GA	Southeast	Startup	
Hobart and William Smith Colleges	9	NY	New York	BLS	QRS
John Carroll University	9	OH	Midwest	BLS	QRS
Johns Hopkins University	13	MD	Mid Atlantic	BLS	QRS
Macalester College	9	MN	North Central	BLS	QRS
<i>Massachusetts Institute of Technology</i>	<i>13</i>	<i>MA</i>	<i>Massachusetts</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Muhlenberg College	8	PA	Pennsylvania	BLS	QRS
Northeastern University	12	MA	Massachusetts	Startup	
Pennsylvania State University	1	PA	Pennsylvania	EDU	
Quinnipiac University	8	CT	Northeast	BLS	QRS
Radford University	4	VA	Mid-Atlantic	BLS	QRS
<i>Rensselaer Polytechnic Institute</i>	<i>16</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>Ambulance Transport</i>
Rice University	5	TX	Central	ILS	QRS
Rowan University	9	NJ	Northeast	BLS	Ambulance Transport
Saint Anselm College	6	NH	Northern New England	BLS	QRS
Saint Michael's College	4	VT	Northern New England	ILS	Ambulance Transport
Santa Clara University	10	CA	West	BLS	QRS
St. Lawrence University	6	NY	New York	BLS	QRS
SUNY Geneseo	6	NY	New York	BLS	QRS
<i>SUNY Oneonta</i>	<i>12</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>
SUNY Oswego	9	NY	New York	BLS	Ambulance Transport
SUNY Stony Brook	10	NY	New York	ALS	Ambulance Transport
Syracuse University	6	NY	New York	BLS	Ambulance Transport
Texas A&M University	18	TX	Central	ALS	Ambulance Transport
The George Washington University	34	DC	Mid Atlantic	BLS	Ambulance Transport
The University of Texas at Dallas	8	TX	Central	Startup	
Tufts University	9	MA	Massachusetts	BLS	Non-Emergent Transport
Union College	1	NY	New York	BLS	QRS
University of Albany	14	NY	New York	BLS	Ambulance Transport

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
University of Arizona	4	AZ	Central	BLS	QRS
University of California-Los Angeles	5	CA	West	BLS	Ambulance Transport
University of Chicago	7	IL	North Central	FR	Event Standby
<i>University of Dayton</i>	<i>11</i>	<i>OH</i>	<i>Midwest</i>	<i>BLS</i>	<i>Ambulance Transport</i>
University of Delaware	35	DE	Mid Atlantic	BLS	Ambulance Transport
University of Florida	13	FL	Southeast	BLS	QRS
University of Il. at Urbana-Champaign	5	IL	North Central	BLS	Event Standby
University of Massachusetts Amherst	22	MA	Massachusetts	BLS	Event Standby
<i>University of Massachusetts Lowell</i>	<i>18</i>	<i>MA</i>	<i>Massachusetts</i>	<i>BLS</i>	<i>QRS</i>
University of New England	8	ME	Northern New England	BLS	QRS
University of N. Carolina at Chapel Hill	2	NC	Southeast	BLS	QRS
University of Pennsylvania	24	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	34	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	19	RI	Northeast	BLS	Ambulance Transport
<i>University of Rochester</i>	<i>8</i>	<i>NY</i>	<i>New York</i>	<i>BLS</i>	<i>QRS</i>
University of South Florida	11	FL	Southeast	BLS	QRS
University of Tampa	3	FL	Southeast	FR	QRS
<i>University of Vermont</i>	<i>7</i>	<i>VT</i>	<i>Northern New England</i>	<i>ALS</i>	<i>Ambulance Transport</i>
<i>University of Windsor</i>	<i>1</i>	<i>ON</i>	<i>Canada</i>	<i>BLS</i>	<i>QRS</i>
Utica College	5	NY	New York	BLS	QRS
Villanova University	11	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Military Institute	6	VA	Mid-Atlantic	Startup	
Virginia Polytechnic Institute	16	VA	Mid Atlantic	ALS	Ambulance Transport
Wake Forest University	10	NC	Southeast	BLS	QRS
Washington University - St. Louis	4	MO	Central	BLS	QRS
Western Carolina University	4	NC	Southeast	BLS	Ambulance Transport
Worcester Polytechnic Institute	3	MA	Massachusetts	FR	QRS
Yale University	7	CT	Northeast	BLS	Event Standby

**schools in italics are celebrating a milestone anniversary ≥ 10 years*



Conference Schedule - Sunday, February 27, 2022

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

Ballroom Foyer

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

Improving Care for the Aging Population

Grand Ballroom 3

Audrey Lam, EMT-B

The U.S. is undergoing a demographic transformation with the aging population (over 65) projected to double in three decades. In just two decades, seniors will outnumber kids for the first time in America's history. Older adults are also twice more likely to use EMS services than younger adults. In this lightning talk, you will learn how to improve the delivery of patient care to geriatric patients in three ways: by recognizing the effects of aging on masked or atypical symptom presentation, learning about ageist micro aggressions and how to communicate in an age-friendly manner, and understanding how to enact local grassroots change to improve care for older adults. *CE Code: 319A*

I'll Sleep When I'm Dead: Sleep Loss and Fatigue in EMS

King's Garden 1/2

Amy Eisenhauer

Fatigue and poor sleep hygiene are so commonplace in EMS that we accept it as the norm. Increased public awareness of fatigue related accidents, medical errors, and first responder mental health, challenge providers and leaders to examine the priority of sleep in their lives and agencies. Amy will discuss the importance of quality and quantity of sleep, related physical and mental comorbidities of poor sleep hygiene, and tools for providers to improve their sleep methods and environment. *CE Code: 319B*

Gender-Affirming Healthcare in EMS

King's Garden 3/4

Delia Sosa, MS

What does it mean to be transgender? What do we mean when we talk about gender-affirming healthcare? How does gender-affirming care extend into collegiate EMS? When we talk about gender-affirming healthcare, the first things that often come to mind are surgery and gender-affirming hormone therapy. But, it extends so much wider than that. In this presentation, we'll learn how to conceptualize gender in an inclusive and accurate way, how gender-affirming 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 patients. *CE Code: 319C*

Bugs in the Blood: Red Flag Sepsis

King's Garden 5

Sean MacAllister, NREMT

Sepsis is a very common call for EMS clinicians. Many calls go as follows: called to the local nursing home for an elderly patient just not acting right. They had a recent surgery and have a temperature and a low BP. Pretty sure it's sepsis, right? Yet, in the field EMS clinicians are not catching as many septic patients as we should. Current research conducted by myself in collaboration with research specialist at ESO using the ESO Health Collaborative Data Exchange Dataset has examined this very issue: field sepsis recognition and effect on patient outcome. So, what can we do to better recognize sepsis? Current techniques and improvement in sepsis recognition is discussed and how that can be applied at the collegiate EMS level. *CE Code: 319D*

To Refuse or Not to Refuse, That is the Question

Commonwealth 2

Olivia SaoBento

Alcohol intoxication complicates almost half of the calls received by university-based volunteer emergency medical services (EMS) agencies across the United States. In addition to acute intoxication, alcohol use can lead to intentional physical assaults and accidental traumatic injuries. In response to rare but tragic intoxication-related events, many universities have developed strict alcohol policies in an effort to reduce liability and discourage underage drinking. This lecture discusses the comprehensive transport refusal policy and the results of its implementation at our institution. We discuss how implementation may reduce unnecessary transports to the hospital, identify patients in need of transport and relieve burden on both the EMS agencies and hospital emergency departments. *CE Code: 319E*

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

Engineering Hemostasis

Grand Ballroom 3

Sarah Hargett, NREMT and Sarah Hargett, NREMT

When your patient is bleeding out from a non-compressible injury, time is of the essence. But prehospital providers, especially at the BLS level, are limited in their interventions. Novel hemostatic treatments in the form of injectable biomaterials may offer some solutions in these scenarios and aid providers at all levels in rapidly managing non-compressible hemorrhage. This presentation will explore the current state-of-the-art in injectable hemostats and present an overview of current biomedical engineering research in this area. *CE Code: 320B*

Stress and Women in First Responder Roles

King's Garden 1/2

Amy Eisenhauer

The presence of increased stressors in emergency response and the need for mental wellness among first responders is becoming commonly accepted in our communities, but is there a difference between how male and female first responders experience and process these stressors? This class will include discussion on

Conference Schedule - Sunday, February 27, 2022

stressors unique to female first responders, mechanisms and tools female first responders use to mitigate and respond to work related stress, and tools all responders can use to mitigate workplace stress. *CE Code: 320C*

It's Not Your Emergency: Why that's Important!

King's Garden 3/4

Cole Matthews

EMS providers deal with high-stress situations on a daily basis. From overdoses, assaults, and other high acuity patients our response to those stimuli plays a role in how we respond to other peoples' emergencies. This session will discuss how our fight or flight response can impede our efforts as healthcare professionals when providing care in high-stress environments. It will also analyze several real-world scenarios where it has impacted the outcome, the safety, or the emotional state of those involved; and suggest ways to mitigate these effects on future calls. Although we respond to other peoples' emergencies daily, it's not yours, and that's important. *CE Code: 320D*

The Basics of Serotonin Syndrome

King's Garden 5

Cassandra Crouse, NRP, FP-C

Nearly one in five college-age students are prescribed anti-depressant medications. If not used correctly, some of these medications, as well as illicit drugs and other supplements could cause a condition called Serotonin Syndrome. As an EMS provider, it is important to be able to recognize potential life-threatening substance overdoses. Specifically, we will discuss the basics of Serotonin Syndrome including pathophysiology, causes, recognition, and treatment. *CE Code: 320E*

Plan a Heist! Steal a Future For Your Agency

Commonwealth 2

Ryan Klimkewicz, EMT-B

EMS agencies nationwide have at one time or another experienced the plague of poor leadership and morale depletion. Collegiate EMS agencies find themselves in the unique position where they must balance squad dynamics, fast turn over, quick training programs, school politics, and community concerns all while taking a full collegiate course load. This discussion is designed to provide current and future collegiate EMS leaders with the tools necessary to improve and grow their own agencies while navigating the aforementioned challenges. By using my experience with "flipping" both collegiate and non-collegiate EMS agencies, and evidence gained through interviews with other EMS leaders, this talk will provide real world experiences and techniques to future leaders. This discussion will also touch on leadership theories, stress management, and teaching practices that will give future EMS leaders the foundation to make meaningful change in their respective agencies. While many EMS agencies struggle with poor leadership, lack of funding, or poor morale, there are ways to make both quick and lasting improvements in any EMS agency. *CE Code: 320F*

Roundtable: Emergency Management & Disaster Preparedness

Duquesne

Eric Pohl, MS, NRP, NCEMSF Emergency Management Coordinator.

Ian Feldman, NCEMSF Webmaster, and

Ryan M. Hay, MSN, RN, NCEMSF Pennsylvania Regional 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: 320A*

3 Hour Mini-Course: The ABC's of MCI's

Smithfield

Gary Hecker, RN, CCRN, EMT-CC, CIC and Stu Rosenhaus, EMT, CIC

Responding to Mass/Multiple Causality Incidents (MCI's) 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 on a series of mock patients. This program will conclude with a table top exercise where principles learned will be applied during a table top exercise of a mock MCI.

****This Skills Workshop is LIMITED TO THE FIRST 25 PARTICIPANTS. Sign-ups for Skills Labs are online (ncemsf.org/skills-labs) only beginning at 7am on Saturday (see page 9 for details).**

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

Shot, Stabbed, and Blown Up: How to Make the Bleeding Stop

Grand Ballroom 3

Philip Walker, MD

Have you ever wanted to know what happens when someone gets, shot, stabbed, or blown up? Would you like to know the best ways to stop the bleeding and save a life? This lecture will cover an overview of the different types of penetrating trauma, including ballistic injuries, stab wounds, impalements, and blast injuries. We will also cover the basics of hemorrhage control and explore some of the new technologies available to help achieve hemorrhage control in the prehospital environment. *CE Code: 321A*

Ohhhhh Baby Baby!!

King's Garden 1/2

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

"EMS100 please respond to the lobby of the Rec Center for a child delivery!" "Ahhhh" is probably the first thought that crosses your head followed by how am I going to survive this call? Come respond with me as we

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walk through recognizing and intervening on sick and crashing neonatal patients. We will cover anatomical differences, congenital abnormalities and the basics for resuscitating your neonate in the field. Not to mention all of the considerations with transportation and special considerations when dealing with this population. We will also cover case studies and scenarios from some of the most critical neonatal calls that will keep any provider on the edge of their seat. Finally, concluding with key steps to take to ensure a higher rate of survival. After all, the goal is the keep the tiny humans alive! *CE Code: 321B*

Working Together: Interdepartmental Communication Strategies to Enhance Collegiate EMS Leadership

King's Garden 3/4

David Gordon, EDAC, Catherine Gibbs, RN, PHRN, EMT-I, Olivia D'Alessandro, RN, EMT-I

How do you manage and enhance your organization? In this session, three former Philadelphia-based collegiate EMS agency chiefs share lessons learned from serving together in the field, and how you can work effectively with your neighboring agencies to amplify your leadership potential. Collegiate EMS provides excellent and unique leadership training to prepare students for their careers, whether in healthcare or other fields. This seminar is designed to provide exposure to various avenues collegiate EMS providers and leaders can pursue to accomplish goals. There are often strong ideas, but difficulty accomplishing them as collegiate providers are often affiliated with an agency for only a short time. Interdepartmental collaboration becomes a phenomenal tool that allows mutual benefit and promotes success for participating organizations. The speakers share how working across agencies enhanced their organizations, leadership, and provide a platform to answer your questions about EMS management. *CE Code: 321D*

10lbs in the 5lbs Bag: Understanding Scope Creep at the BLS Level

King's Garden 5

N. Alex Cutsumbis, NRP

EMS Providers of all levels are expected to be competent regardless of the situation they are dispatched to. This has led to larger and larger content needing to be covered in initial and continuing education. Join this group discussion to gain insight and clarity about what BLS providers really need to know. *CE Code: 321C*

Quality Improvement for Campus EMS Agencies

Commonwealth 2

Mark Pinchalk, MS, EMT-P

EMS agencies must always strive to make evidence based improvements in their systems. This program will provide a template to build a quality improvement program for your Collegiate EMS agency. The basics of evaluating best practices, defining problems, data collection, program design and implementation and evaluation of effectiveness will be discussed. *CE Code: 321E*

Roundtable: Training

Benedum

Zachary Matuzsan, DO, NCEMSF Education Coordinator, Moderator

For this roundtable discussion, NCEMSF Leadership will moderate conversations addressing training issues on college campuses. Discussion will revolve around building an EMS training program that is effective, long lasting, and influential. Learn from each other how to develop curriculum, train on-scene, and create a standardized training module. *CE Code: 321G*

Roundtable: Inside The Journal of Collegiate EMS

Duquesne

Ernest Wang, EMT

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: 321F*

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

Simulation Training for EMS

Grand Ballroom 3

Mark Milliron, MS, MPA, MHS

This session will include discussion of methodology for EMS training using simulation devices and simulated scenarios. Participants are encouraged to share their experiences in successfully using simulation in EMS education, and as a replacement for patient actors and surrogates during the COVID-19 pandemic. Discussion will include the types of simulation devices available, their uses, and the technology used in designing training scenarios. *CE Code: 322B*

Things Are Not Always As They Seem

King's Garden 1/2

Owen Traynor, MD

It is challenging to correctly diagnose an emergency patient. EMS providers will typically not have access to all of the medical information that they would like. Sufficient time to think critically can also be in short supply. This session contains 4 real cases that EMS providers are likely to encounter...and things are not always as they seem! *CE Code: 322C*

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Differential Diagnosis in the Prehospital Setting

King's Garden 3/4

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

This presentation will discuss the concept of differential diagnosis and how it can be utilized in the prehospital setting, while offering the assessment tools needed to support the differential diagnosis process
CE Code: 322D

EMS Physician Extenders:

What You Could be Doing After Graduation?

King's Garden 5

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: 322E*

HIPAA for Collegiate EMS Agencies

Commonwealth 2

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

How much does your EMS agency know about HIPAA? The Health Insurance Portability and Accountability Act of 1996 is an essential piece of federal legislation that governs the protection of protected health information, including permitted disclosures and required protection mechanisms. Since its inception, the Act has received amendments, including the HITECH amendment in 2009 and an amendment through the Omnibus Rule in 2013. Collegiate EMS agencies and their providers can fall under the definition of covered entities or business associates. Therefore, the providers must be knowledgeable about HIPAA and its provisions. The EMS providers are then responsible for adhering to the statute. Many providers and agency administrators, however, have not received comprehensive education on exactly how to achieve and maintain compliance. The aim of this talk is to provide an overview of HIPAA. This talk won't address the entire legislation and all amendments, as some are outside the scope of most agencies. It will, however, include salient topics such as the different sections of HIPAA, what is considered protected health information, and how an agency can be HIPAA compliant. *CE Code: 322F*

Roundtable: Fundraising and Financing

Benedum

Yoni Litwok, MD, NCEMS Director-at-Large, Moderator

For this roundtable discussion, NCEMS Leadership will moderate a conversation addressing financing and budgeting for campus-based EMS, with a particular focus on fundraising opportunities and strategies. *CE Code: 322A*

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

King's Garden 5

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 Campus EMS*.



NCEMSF Research Posters 2022—Sponsored by JCEMS

Posters will be on virtual display throughout the weekend. Please take the time to read through and learn from the collection of original campus EMS research and unique campus programs. 2022 Posters:

Developing a Curriculum to Enable Emergency Medical Technicians to Assist Paramedics with Advanced Interventions - Enzo Plaitano (*Boston University*)

Institution-wide Virtual Naloxone Training and Distribution Program - Alexandra Rizaldi (*University of Pennsylvania*)

Racial and Ethnic Disparities in Collegiate Pre-Hospital Care - Amelia Leslie (*University of Texas Dallas*)

EMS Transportation Rates across Gender, Age, Race on a University Campus - Jacob Robishaw-Denton (*University of Arizona*)

Utilization of Mental Health Specialists in Collegiate EMS Calls - Christine Schremp (*Brown University*)

An Exploration of Bacterial Microbiome in E TN Ambulances - Ashley Sundin (*LMU-DCOM*)

Continuing Education (CE) Credit Information

Get Continuing Education Credit for the lectures you attend!

All NCEMSF conference sessions are eligible for continuing education *credit by endorsement*. A maximum of 15 hours of CE are available for those that attend an educational offering every hour of the 2022 conference (Pre-Conference Workshop participants will receive CE certificates at the conclusion of their session). In order to receive credit for your conference attendance and the sessions that you attended, please follow these directions:

Attendance Tracking

- Record your session attendance via text message (SMS). To register for SMS attendance tracking, text your 7-digit personal code (provided at check-in) to **781-2-NCEMSF** (781-262-3673). Standard messaging/data rates may apply. You will receive a reply confirming your registration.
- Each workshop has a 4-character session code that can be found in the conference program and on the room signs outside each session. At any time during the session, **text that 4-character code** to the number above to record your attendance. You will receive a reply confirming the session you attended. If the session is not correct or you switch to a different session, send another message with the correct session code.
 - If you do not have SMS capability, utilize manual tracking: complete the post-conference survey and then use the “My CE Records” utility to select your sessions and rate the speakers and topics.

Generating Your CE Report

- After the conclusion of the conference, you will receive an **email with a link to the post-conference survey**. Login to the NCEMSF website with your personal credentials (NCEMSF username and password) and complete the survey.
- In the same email, you will find a link to the “My CE Records” utility. Use that utility to **rate the speaker and topics** you attended and print your CE report after you have completed the post-conference survey. Through May 1, 2022 you can also **correct any errors or add sessions** you attended.
- Print out your personalized PDF document** from the “My CE Records” utility. Sign and submit it along with any other necessary identifiers (e.g., address, certification number, date of birth) to your state's EMS regulatory agency for *credit by endorsement*. Some states may require a copy of this conference program or other information as well.
- All steps must be completed by May 1, 2022.** 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.

Welcome to Pittsburgh! Coming Early? Staying Late?

For those spending some extra time in Pittsburgh, either pre- or post-conference, below are a few of the many attractions in and around the city - for more ideas visit: www.visitpittsburgh.com

Activities and sightseeing near the Wyndham:

- Dive into history at the Fort Pitt Museum and Fort Pitt Blockhouse (0.2 miles/5 minutes)
- Bowl, Pinball, Arcade, Bocce and more at Shorty's Pins (0.5 miles, 11 min)
- Enjoy outdoor ice skating at PPG Place (0.4 miles/8 minutes)
- Stroll in Point State Park to the famous fountain at The Point (0.4 miles/8 minutes)
- Get your pop art fix at the Andy Warhol Museum (0.7 miles/15 minutes)
- Explore the North Shore's Three Rivers Heritage Trail (0.7 miles/15 minutes) to see PNC Park, Heinz Field, the Fred Rogers statue and the USS Requin submarine
- Ride the Monongahela (1 mile/20 min) or Duquesne Inclines (0.8 miles/17 minutes) and get amazing views of Pittsburgh and The Point from Mount Washington
- See history come alive at the Heinz History Center (0.9 miles/20 minutes)
- Interactive exhibits and a WW2 submarine tour await you at the Carnegie Science Center (1 mile/21 minutes)
- See over 150 bird species at the National Aviary (1 mile/24 minutes)

Other things to see and do in Pittsburgh:

- Carnegie Museums of Art and Natural History
- Pittsburgh Zoo and PPG Aquarium
- Phipps Conservatory and Botanical Gardens
- Cathedral of Learning at University of Pittsburgh
- Randyland
- The Mattress Factory
- The Strip District

Getting Around Pittsburgh / Important Contact Information

Walking: There's no better way to see the city and easier way to get around than by using your own two feet. You can get around Downtown and easily walk to the North Shore, Station Square, and The Strip District from the hotel.

Bike Share: Just \$2 for 30 minutes, Healthy Ride (healthyridepg.com) is an inexpensive and healthy way to get around the city. Stations are located throughout Downtown. The nearest stations to the hotel are close on Liberty Ave by the Gateway T Station and on Forbes Ave by Market Square. Fifteen minute rides are free with a ConnectCard. Download the nextbike app from your app store.

Rideshare: Uber, Lyft and zTrip are just a request away with your favorite app to get you where you want to go.

Bus: The Port Authority Transit bus system is Pittsburgh's primary mode of mass transit. Pay as you board in exact change or using a ConnectCard (\$2.75 per ride). There are many bus routes through Downtown so use Google Maps app or the Port Authority Trip Planner (truetime.portauthority.org) to find your way. ConnectCards can be purchased at any T Station or the Port Authority Service Center at 623 Smithfield Street.

Subway: Free. Yes, free. Also known as the T and run by Port Authority Transit, this underground light rail system can get you through Downtown and to the North Shore for **free**. The nearest station to the hotel, **Gateway Station**, is a mere stone's throw away. The free stops on the T include **First Avenue Station, Steel Plaza, Wood Street Station, Gateway Station, North Side Station and Allegheny Station**.

Taxi: There are two street hail taxi services in Pittsburgh. zTrip rideshare vehicles can be hailed from the street for curbside pickup or pick up can be arranged in advance at <https://www.ztrip.com/book-a-ride/> or by calling 412-777-7777. City Cab "black and white" taxis can be hailed from the street in Downtown, Oakland, South Side and the North Side. City Cabs do not go to the airport.

Intercity Rail: Amtrak provides service to Pittsburgh Union Station with 4 trains a day on two routes, The Pennsylvanian (Pittsburgh to NYC via Philadelphia) and the Capitol Limited (Chicago to DC). Union Station is located at 1100 Liberty Ave in Downtown.

Intercity Bus: Greyhound departs from the Pittsburgh Intermodal Station at 55 11th street in Downtown. More information can be found at www.greyhound.com. Megabus departs from the David Lawrence Convention Center in Downtown. Visit <https://us.megabus.com/> for prices and bus times.

Getting to the airport:

Rideshare/Taxi: The trip takes approximately 25 minutes and will cost about \$40. Use Uber, Lyft or zTrip. City Cab does not provide airport service.

Bus: The 28x *Airport Flyer* conveniently stops next to the Wyndham Grand on Liberty Ave. The trip takes 35 minutes and costs \$2.75 in exact change or \$2.50 with a ConnectCard. **SuperShuttle** and **ExecuCar** are offering a 5% discount for reservations made online or with their app using the code KHC6Y.

Host Facility:

Wyndham Grand Pittsburgh Downtown Hotel
600 Commonwealth Place, Pittsburgh, PA 15222

(412) 391-4600

NCMSF

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

Lunch and Dinner Options

After a full morning, take a break to refuel, but hurry back because the afternoon is even more jam packed!

For dinner, we encourage you to venture out of the hotel and grab a bite around Pittsburgh - explore something new, it is sure to please! There are far too many places, even in the immediate walking vicinity, to list here - the following are only a few suggestions. Whatever you choose for dinner though, make certain to return to the Wyndham and join the evening festivities.

Lunch near the hotel:

Downtown: There are many places to eat lunch downtown. However, your best bet is to head over to **Market Square (0.3 miles/6 minutes)**. It's an open landscaped square surrounded by many quick lunch options, including the famous french-fry-and-coleslaw-filled Pittsburgh sandwich from Primanti Brothers. There is also The Yard, Dunkin' Donuts, Market Exchange, Emmerson's, Simple Greek, No1. 1 Sushi, Las Velas, Chipotle, DiBella's Subs, Starbucks, City Works, Five Guys, Revel, Pizzaiola Prima, Moe's Southwestern Grill.

North Shore (0.6 miles/12 min): A string of restaurants on the North Shore includes McFadden's, Hyde Park, Southern Tier, Max and Stacks, Shorty's Pins and Pints, The Foundry, Tequila Cowboy, Little Red Corvette, Burgatory, Allegheny Grill.

Station Square (1 mile/20 min): This development across the Monongahela River has Hard Rock Cafe, Joe's Crab Shack, Buca di Beppo, Grand Concourse, Tupelo Honey, Texas de Brazil, The Melting Pot, Kiku Japanese, Home Run Harry's, and Trackside Restaurant. Accessible by walking up the Boulevard of the Allies and crossing the Smithfield Street Bridge.

Dinner in Pittsburgh:

Downtown: Some favorites in downtown Pittsburgh include: Gaucho Parrilla Argentina, Braddock's Rebellion, TAKO, fl.2, Scarpino, The Standard, Sienna Mercato, The Commoner, Ollie's, and Proper Brick Oven. The **Market Square** lunch options also can work for dinner.

Near Downtown: The **North Shore** and **Station Square** lunch options work for dinner. You can also go to **The Strip District** where some popular restaurants include: Eleven, Kaya, Luke Wholey's Wild Alaskan Grille, Osteria 2350, Cioppino, Rolands' Seafood Grill and the original Primanti Brothers location.

Other neighborhoods: Accessible by ride sharing services, look for restaurants in these neighborhoods: **Lawrenceville, Oakland, Shadyside, Squirrel Hill, Southside, Mount Washington, and East Liberty.**

(History - Continued from page 4)

land Pittsburgh. In 1763, France surrendered all of their territory east of the Mississippi to the British. The Fort Pitt Blockhouse, built in 1764, still stands. You can visit it in Point State Park.

The Postwar Years: Gateway to the West

Following the war, a shipbuilding community slowly began to develop in what is now The Point and downtown Pittsburgh. The early 19th century saw rapid growth in manufacturing of iron, brass, and glass. With it came exponential population growth, from a small town of some 1500 people in 1800 to a metropolis of nearly 50,000 by 1860. The city was incorporated in 1816. The industry earned Pittsburgh its first nickname: "Gateway to the West."

The Steel City

In the mid-to late 19th century, Pittsburgh reinvented itself and earned its nickname as the Steel City. Shipbuilding was a dying industry. But coal, iron ore, coke and limestone were found and easily mined along the river valleys upriver from downtown Pittsburgh and The Point. With these raw materials and rivers to transport them to Pittsburgh, industrialists Andrew Carnegie and Henry Clay Frick made a fortune in steel. Together, they formed Carnegie Steel which later merged into US Steel. After production, steel was inexpensively shipped on the Ohio River to the Mississippi River for easy access to the entire mid-continent and to the Gulf of Mexico.

Decline and Rebirth:

By the 1970's, steel production precipitously declined. Pittsburgh was a greying city without prospects, like other Rust Belt cities. Rather than rest on its past in a steady fall to irrelevance, Pittsburgh looked to the future and reinvented itself once again. Pittsburgh's leaders saw an advantage in the educational and cultural institutions and endowments financed by the Steel City industrialists and they aligned these assets with a green and high-tech future. These institutions and endowments provided the spark, capital and knowledge for today's innovators in healthcare, education, research and technology. The largest employers in Pittsburgh today are UPMC, PNC Financial Services, University of Pittsburgh, Carnegie Mellon University and BNY Mellon. Google, Disney, Apple, and Uber all have offices here. 4Moms and Duolingo were founded and are headquartered here. A revitalized city, Pittsburgh beckons you to explore its past, present and future.

Presenter Bios

Benjamin Abo, DO, EMT-P, EMTT, FAWM

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

Michael Ariskin

Michael Ariskin is a Physician Assistant student at Rutgers University in New Jersey. He graduated from the University of Massachusetts-Amherst in 2021 with a degree in Biology and Economics. While attending college, Michael was involved with UMass Amherst EMS. He served as the Executive Director of UMass Amherst EMS for two years from 2018 to 2020. He has also worked in a variety of medical settings including ski patrol, K-12 school health, and traditional transporting EMS.

Scott Bell, NRP

Scott began his EMS career at a very young age. Scott gained his EMT certificate directly out of high school, and began working for a busy 911 agency in Houston as an EMT. Scott moved to Dallas for college, and was a founding member of University Emergency Medical Response (UEMR) at the University of Texas at Dallas. He led the agency to be awarded the Texas EMS First Responder Organization of the Year in 2018. He gained his paramedic license, and began working full-time for Rockwall County EMS, while still in college, and volunteering his time to continue to build UEMR. Scott worked for 3 years as a critical care paramedic with Rockwall County EMS, was quickly promoted to a Field Training Officer, and later a District Supervisor. Scott recently came on full-time at UEMR as a paid, full-time Assistant Director, and continues to actively work as a Supervisor for Rockwall County EMS part-time. In addition, to working full-time, Scott is currently enrolled in the UNT Dallas College of Law's part-time Juris Doctor Degree program, with the hopes to practice health law in the future. Scott also currently serves as a consult to the NREMT for examination content development.

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

Hendrik is a registered nurse, certified pediatric trauma nurse, board certified national healthcare disaster professional, certified flight nurse with neonatal and pediatric transport certification and pre-hospital registered nurse at the Children's Hospital of Philadelphia's Emergency Transport Team. He transports some of the most critically sick and injured pediatric patients from all over the region and across the country by ground and air. CHOP's transport team is also the neonatal transport team for the entire CHOP and Penn Medicine healthcare systems transporting hundreds of neonatal patients every year. Hendrik is 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 as well as resource intensive. He is also a EMS lieutenant and firefighter for the Tinicum Township Fire Company which responds to 3,000 fire/EMS 911 calls a year. Hendrik is an alumni of FEMA

CDP's course on EMS operations in CBRNE incidents and is trained at the operational level for HAZMAT and WMD response. 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.

Brian Brauer, EdD

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

Spencer Braunstein, NRP

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

Nicole Cook, DO

LCDR Nicole Cook, DO is an emergency medicine physician with the United States Navy. She was the senior medical officer of the Shock Trauma Platoon and led the team of ER physicians who are the bed team leads for damage control resuscitation in a mass casualty event. As senior medical officer, she was also in charge of the pre-deployment and deployment training schedule and activities. She currently serves as an attending emergency physician in Okinawa, Japan. As a Navy Officer she has led and guided over 25 sailors in an overseas emergency department and has earned the Navy and Marine achievement award.

Cassandra Crouse, NRP, FP-C

Cassandra is a recent graduate from the University of Pittsburgh with a B.S. in Emergency Medicine/Pre-Med. She is currently taking two gap years to work as a paramedic for UPMC Williamsport in rural, north-central Pennsylvania. She is also a certified flight paramedic. Cassandra is a part-time instructor at Penn College in their EMT/Paramedic certification programs. During undergraduate, Cassandra attended the NCEMSF conference each year and represented Pitt on both the BLS and ALS competition teams. Cassandra has a special interest in rural medicine, critical care, and EMT/paramedic education.

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

Presenter Bios

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.

Olivia D'Alessandro, BSN, RN, EMT-I

Olivia D'Alessandro works in the Cardiac ICU at The Children's Hospital of Philadelphia. She has experience as a nurse in the Emergency Department at Crozer Chester Medical Center and has been an EMT for 7 years. Olivia was Chief of the Drexel Emergency Medical Services QRS team from 2018-2020. In her free time, she is passionate about teaching CPR to the Philadelphia Community.

Cameron Decker, MD, LP, FACEP, FAEMS

Cameron Decker is a graduate of Rice University and Baylor College of Medicine. He completed his residency in Emergency Medicine and fellowship in Emergency Medical Services (EMS) at Baylor College of Medicine. Dr. Decker is double board certified in emergency medicine and EMS medicine, an Assistant Professor of Emergency Medicine at Baylor College of Medicine, and faculty at Ben Taub General Hospital, one of the busiest Level I trauma centers in the country. As a Licensed Paramedic, Dr. Decker has a strong background in pre-hospital care, having been active in EMS through multiple 911 departments. Before becoming the Medical Director of both Rice University EMS and Harris County Emergency Corps, he worked at both as a Paramedic. He is also the Medical Director for multiple Harris County Fire Departments and The Emergency Medical Task Force - 6, the state's regional response network for large scale medical incidents. He serves as a Medical Team Manager for Texas A&M Task Force 1, a FEMA and TDEM US&R team, and is a decorated Master Peace Officer and Tactical Physician with the Harris County Sheriff's Office SWAT team.

Allison Denman, SANE, BSN, MSFS

Allison Denman is a board-certified forensic nurse examiner serving as the Clinical Director and Forensic Nurse Manager for the Philadelphia Sexual Assault Response Center (PSARC). Prior to her entry into this role, Allison hails from a background in pre-hospital EMS and ER nursing with a blended history of critical victim services as a community advocate, educator, and clinician. When she is not providing forensic nurse examination services to adult victims of acute sexual assault in Philadelphia, she enjoys teaching a wide variety of clinical forensic topics to EMS, community clinicians, and collegiate settings. Allison is also an ad hoc Title IX adjudicator for a local college campus and embraces a collaborative relationship with other Title IX representatives in Pennsylvania. Allison has earned her master's degree in clinical forensic science from Drexel University, her bachelor's degree in nursing science from Gwynedd Mercy University, and a bachelor's degree in organismal biology from Kutztown University. Allison is passionate about evidence-based practice, accessible and inclusive community outreach, and creative collaboration for sexual assault response resources.

James Dlutowski, NRP

James began his EMS career in high school just north of Pittsburgh in 10th grade. Once certified, he joined the Seville Volunteer Fire Company. He was accepted to the University of Alaska, Fairbanks where he studied biochemistry and attended paramedic class at night while volunteering with the campus and local Fire/EMS agencies. After graduating, he returned to the Pittsburgh area and has worked in field, teaching and management positions throughout the region. Today, he is Crew Chief of the Pittsburgh EMS Training Division and offers private training, certification and consultation services. He also has been the Assistant Chief of Ingram Volunteer EMS for nearly 15 years.

Amy Eisenhauer

Amy is a presenter at EMS conferences nationwide, raising awareness on topics such as provider wellness, response to hoarding events, and career development for EMS professionals. She has served as a volunteer and career provider since 1995. Amy has taken on challenging roles as an

EMS educator, course content developer, and currently manages several state EMS programs in New York. Amy is a contributing author for several publications such as In Public Safety, JEMS, EMS1, and EMS World Magazine and also hosts an interactive blog on EMS at TheEMSsiren.com, committed to improving the EMS community as a whole.

Sheila Elliott, MS, NRP

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

M. Carl Flesher, MSIS

Carl has been an EMT since 1978 and in 1980 started the ERT at King's College where he earned an 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 and Safety Officer.

Thomas Fletcher, PA-C

Physician Assistant with 40 years experience in Emergency Medicine, Pre-Hospital Medicine, Tactical Medicine, Operational Medicine, Disaster Medicine. While being employed at the University of Rochester, I helped develop a Special Operations Paramedic Program, worked with HAZMAT, and instructed local law enforcement in Tactical Medicine as the Deputy EMS Director for Monroe County, NY. I was also the Director of the Finger Lakes Regional Resource Center. My job was to teach BDLS, ADLS (basic and advanced life support) to area medical personnel, EMS providers and hospital staff, and to also teach Emergency Room Residents, and other regional hospitals in Decontamination. I have served as an Instructor for the FBI, where I trained special agents in Tactical Medicine before deploying overseas. I was also the Unit Chief for Operational Medicine with the U.S Department of State and was responsible for training all Embassy personnel around the world in the FACT (Foreign Affairs Counter Threat) Course. I have worked with several Sheriff Departments Emergency Response Teams where I taught Tactical Medicine and also was part of the team that responded to high risk situations. I am currently a member of a DMAT (Disaster Medical Assistance Team) and have deployed to multiple hurricanes and earthquakes. I have spoken at several venues in the past to include the NDMS National Conference, the Maryland Academy of Physician Assistant Annual Conference.

Adam Fox, DO, FACS

Dr. Adam D. Fox is an Associate Professor of Surgery in the Department of Surgery at Rutgers University-New Jersey Medical School and faculty in the Division of Trauma Surgery and Critical Care. He also holds the title of Medical Director of the JEMSTAR Air Medical program and Chair of the NJ Committee on Trauma. Dr. Fox joined the Rutgers faculty in 2011 after practicing in the divisions of Trauma/Critical Care and Emergency Surgery at the University of Pennsylvania and Penn State University. Dr. Fox is an instructor and course director for multiple trauma and critical care related courses. He is an active member of The Trauma Critical Care Team (TCCT) of the National Disaster Medical System (NDMS). He has also provided surgical care on multiple medical missions

Presenter Bios

around the world. Additionally, he provides medical care and education to the Newark FBI SWAT Team. Dr Fox was also featured in several episodes of the second season of NY Med, a docudrama on ABC. Dr Fox sits on the editorial board of several journals and is the author of multiple journal articles and has presented at conferences both nationally and internationally. His interests include leadership in trauma, education, and global trauma and disaster response.

Eric Garrison, MAEd, MSc

Though NCEMSF has invited him to its annual conferences every year since 2004, Eric's ties to emergency services go back more than one hundred years. His great-grandfather held concurrent positions as a fire and police chief, and his grandfather helped build the first steel fire engine in that same Virginia town. In the areas of sexual assault, trauma-informed response, and student flourishing, Eric has devoted almost three decades 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 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.

Michael Gerber, MPH, NRP

Paramedic Michael Gerber started in EMS in 2001, when he joined the volunteer fire service while working as a journalist on Capitol Hill. He later spent more than eight years in the career fire service, serving at times as a paramedic, field supervisor, instructor, public information officer and quality management officer. He then worked as a senior consultant for RedFlash Group, where he served as the lead writer for EMS Agenda 2050 and provided strategic communications guidance to clients in the public and private sectors. Currently, Michael is a senior editor at Health Affairs, a leading peer-reviewed health policy journal, and an adjunct instructor at the George Washington University School of Medicine and Health Sciences. He also continues to serve as a paramedic with the Bethesda-Chevy Chase Rescue Squad.

Stephen Gerber, MSN, MSHS, APRN, NRP

Stephen is the current 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.

Catherine Gibbs, BSN, RN, PHRN, EMT-I

Catherine 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 is a pre-hospital 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.

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, EMT

David Gordon is a medical student at Sidney Kimmel Medical College of Jefferson University. David applies his background of 8 years in EMS alongside design thinking and architectural industry experience to form a creative approach towards emergency management, facility planning, 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, EMT-P

Dr. Hagahmed is clinical faculty in the Department of Emergency Medicine at the University of Pittsburgh Medical Center. 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 first-year Biomedical Engineering Ph.D. student at Texas A&M University where she researches biomaterials for use as hemostats and wound-healing treatments in prehospital trauma care. She is still involved in collegiate EMS as a member of Texas A&M University EMS.

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

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

Adam Joseph, BSN, RN, CFRN, C-NPT

Adam is a Adult and Pediatric Transport nurse with a keen interest in prehospital medicine and critical care transport. He brings experience in 911 and critical care transport, as well as inpatient critical care and emergency nursing.

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

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

Ryan Klimkewicz, EMT-B

Ryan Klimkewicz served as Chief of Service for Hobart and William Smith EMS (HWS EMS) from 2018-2020. During this time, he developed a passion for EMS leadership and teaching. Thanks to his involvement in HWS EMS, he began attending

Presenter Bios

NCEMSF conferences and is eternally grateful for the experience. Upon graduating college, he applied lessons learned from campus EMS to his home fire department where he served as an officer and member of the EMS committee. He now resides in Denver, CO where he works for Air Life Denver.

Paul Koch, MSAE, NRP

Paul Koch 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.

Audrey Lam, EMT-B

Audrey Lam is a recent graduate from the University of Southern California. She was involved in the Emergency Medical Services of USC for almost 4 years and served as the Associate Director. She earned her B.S. in Human Development and Aging at the USC Davis School of Gerontology and founded Advocates for Healthy Aging to serve the growing older population. Audrey is now using her EMS and gerontology background to help develop Cedars-Sinai's first geriatric-focused volunteer program in the ER.

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

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

Justin Lonczak, MSN, CCRN, EMT-P

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

Raymond Lovell, NRP

Raymond Lovell became an EMT-Basic and joined the University of Rhode Island Emergency Medical Services in 2008. Raymond furthered his education by obtaining his RI EMT-Cardiac license in 2011 and became a Paramedic in 2019. He has extensive experience in campus, municipal, and private EMS, working for two towns and two private ambulance companies in addition to collegiate EMS. Raymond currently serves as the Vice Commander at URI EMS and works in private security.

Sean MacAllister, NREMT

Sean MacAllister is a 1st year MPH student at Boston University. While in undergrad, he fell in love with the field of EMS. Wanting to combine both the passion for research and EMS, he is now involved in EMS research while obtaining a degree in epidemiology and biostatistics.

Cole Matthews

Cole has been involved with EMS since 2015, starting as a driver at the local volunteer agency. Since then he has served as an FTO, an AHA instructor, and most notably as Director of Operations for Arlington Rescue Squad in Vermont.

Tyler McCardell, MD, EMT-IT

Tyler McCardell, MD, EMT-IT is an Emergency Medicine resident physician at Allegheny General Hospital. His background in EMS began in 2014 as a volunteer EMT and later expanded to the Advanced EMT level. Tyler previously served as the EMS Chief at Wakefield Ambulance Association and Lead BLS Instructor for Emergency Training Academy, where he oversaw QA/QI programs in addition to other administrative and clinical

duties. Currently, Tyler is involved with AHN LifeFlight & Critical Care Ground Transport, coordinating case reviews and assisting with continuing education.

Robert Mead-Colegrove, MEd, EMT-B

Robert "Bob" Mead-Colegrove is the Assistant Dean for Campus Safety and Operations at Daemen College in New York. Bob has been in the field of higher education for close to 30 years, working with EMS agencies for 4 years and became an EMT-B in 2020.

Mark Milliron, MS, MPA, MHS

Mark Milliron has over 39 years of experience in EMS including 17 years with Penn State EMS, has volunteered on a wilderness search and rescue team, and with a regional Incident Management Team. A life member of NCESMF, Mr. Milliron served on the NCESMF Board of directors from the Board's inception in 1995 to 2011 as Chairman, Treasurer, and Director -At-Large. Mr. Milliron is currently employed by UPMC as a simulation specialist. He previously worked in Public Health with the Pennsylvania Department of Health. Mr. Milliron has taught courses in health policy and emergency management for the Pennsylvania State University and Purdue University Global. Currently he teaches health administration for York College of Pennsylvania and EMS certification classes for the Reading Hospital School of Health Sciences.

Shay Parker, EMT

Shay presently serves as the Emergency Medical Services Program Coordinator with Arizona State University's Employee Health Department. Shay has completed her Bachelor of Science in Criminology and Criminal Justice through the Watts College of Public Service and Community Solutions and has plans to pursue higher education in Emergency Management. Shay participated in the Watts College Undergraduate Research Program facilitating research on drones and disorder in surrounding neighborhoods. She has been serving the ASU community since 2018 by providing standby medical coverage at several events across campus. Shay is also a certified CPR instructor through the American Health and Safety Institute (ASHI). She also teaches Stop the Bleed classes. On the weekend, you can find her fostering dogs and assisting in animal rescue efforts. Shay is passionate about public service and is striving to grow the EMS program to maximize patient care on ASU's campus.

Kenneth Picard, NRP

Kenneth Picard was educated at Bethel Park High School (PA) and West Liberty University (WV). Kenneth's 15 years of experience in EMS also include many years of firefighting, rescue and HAZMAT operations. Kenneth has held leadership positions in multiple public safety organizations of various sizes. Kenneth's EMS background encompasses rural, suburban and urban response areas. In 2018, Kenneth was awarded as EMS Champion by the Allegheny County EMS Council. Kenneth currently works as a field medic for Medical Rescue Team South Authority and serves as an educator, fleet operations manager, and field training officer. Kenneth is supported at home by his wife, and three children.

Mark Pinchalk, MS, EMT-P

Mark Pinchalk is the Assistant Chief of City of Pittsburgh EMS. In his position, he oversees clinical operations, quality improvement programs, special operations and training. He has been involved in EMS for over 30 years and has an extensive background in special operations, research and education. He serves as a Tactical Medic for Pittsburgh EMS/SWAT and as a Paramedic Master Diver for Pittsburgh River Rescue. In addition he is the Medical Team Manager for Pennsylvania Urban Search & Rescue Strike Team 1. Mark is also an adjunct instructor in the University of Pittsburgh Emergency Medicine Program.

Stephen Richey, RRT-NPS, RRT-ACCS, RPT, FRAI

Stephen is currently a respiratory therapist at Carle Richland Memorial Hospital in Olney, Illinois and at Harrison County Hospital in Corydon, Indiana. His training in respiratory was obtained during his service in the United States Air Force.

Presenter Bios

Previously he has worked as an EMS provider and supervisor, clinical educator, and volunteered as a flight respiratory therapist. He also serves as the volunteer executive director of Kolibri Forensics, a nonprofit forensic search and recovery team that works to help close missing persons cases. He is currently pursuing a masters degree by research in forensic archaeology and anthropology to be followed by a doctorate in that field. He intends to stay working as a therapist though and will just have a really unique second job.

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.

Stu Rosenhaus, EMT, CIC

Stu's experience comes from a variety of areas within healthcare. He has been a leader and educator in the EMS sector, supervised blood donor programs, currently works as the Emergency Preparedness Coordinator at a local Hospital. A lifelong EMS volunteer, getting his start with Brooklyn College EMS, he has over 30 years experience in EMS education and patient care. and as an Adjunct Instructor at Brooklyn College. Stu Holds a Bachelor's degree in Community Health and Education from Empire State College (SUNY) and is a NYSDOH Certified Instructor Coordinator and an American Safety and Health Master Instructor Trainer.

Ron Roth, MD

Dr. Roth is a Professor of Emergency Medicine in the Department of Emergency Medicine at the University of Pittsburgh. He serves as an attending physician in the the UPMC Communications Center. Dr. Roth is board certified in Emergency Medicine and the subspecialty of Emergency Medical Services. In addition to his clinical responsibilities, Dr. Roth serves as the Medical Director of the City of Pittsburgh, Department of Public Safety and the Allegheny County Emergency Operations Center. He is the Medical Director for the Dick's Sporting Goods / Pittsburgh Marathon, a team physician for the Pittsburgh Steelers, and University of Pittsburgh Football team. During his undergraduate studies at Penn State, he served as an EMT on the University Ambulance Service.

Scott Rubins, MA, EMT

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

Olivia SaoBento

Olivia is the current EMS Manager at The George Washington University overseeing the Emergency Medical Response Group (EMERG). Her core responsibilities are the development and coordination of all clinical and operation facets of the agency to include medical protocols, training, and daily agency operations. Since taking on the roll, Olivia has expanded the GW EMS fleet by purchasing the agencies new custom ambulance and expanded the role of the agency to support the GWU throughout the COVID-19 response. She was instrumental in the design and implementation of the University's COVID-19 policy development, contact tracing, and testing strategies since their inception. In the last year of GW EMS operations, she implemented a comprehensive plan to fully integrate EMERG with the University Office of Emergency Management in order to better serve the GW Community and increase overall awareness of the agencies capabilities.

Joshua Schneider, NRP

Joshua Schneider BS, NRP is the Overdose Prevention Coordinator for the City of Pittsburgh's Office of Community Health and Safety. Josh works with partners across the Allegheny County to implement harm reduction-centered programs, develop policy, and improve data infrastructure. Josh is a graduate of the University of Pittsburgh Emergency Medicine Program (BS), works as a paramedic at Valley Ambulance Authority, and serves as a Public Health Advisor for the National Disaster Medical System.

J. Dominic Singh, NRP, I/C

Dominic has been engaged in EMS for 25 years and is the current staff advisor to UMass Amherst EMS. He is also the Chief of Operations for Spencer EMS and a career firefighter/paramedic for Amherst Fire (both in Massachusetts). Prior to these positions he worked in private, municipal, and non-profit settings in both rural and urban environments. His career started as a collegiate EMT with the College of the Holy Cross. He continues to be active in EMS event management, training, and field response with a focus on mentorship and provider development.

Delia Sosa, MS

Delia Sosa (they/them) is a recent graduate of the University of Chicago and a former Co-Chief of the University of Chicago Emergency Medical Services (UCEMS). They attended NCEMS as a college junior and was able to bring leadership skills and new initiatives back to their unit. Now graduate of the MBS program at Tufts University School of Medicine and preparing to start medical school this summer, they hope to give back to NCEMS for the benefit of current and future EMS squads and first responders.

Matthew Strauss

LT Matthew Strauss has been a member of the U.S. Secret Service's (USSS) Uniformed Division since 2011. He has held positions at the White House, USSS Headquarters, the Foreign Missions Branch, and the agency's Joint Operations Center. Prior to joining the USSS, LT Strauss worked as a firefighter and a paramedic with several busy 911 Fire and EMS services. Most recently, he served as a paramedic with the Alexandria, VA Fire Department where he led several training initiatives, developed policies and procedures, and deployed as a tactical medic on the Alexandria Police Department Special Operations Team. LT Strauss also worked for several years as a flight paramedic with a critical care flight service that served DC, MD, PA and OH. As a collateral duty within the USSS, LT Strauss manages a team of over sixty Uniformed Division EMTs who provide medical care at the White House, throughout Washington, DC, and at protective sites around the globe. He developed the medical support team that supports the USSS Civil Disturbance Unit (CDU) and leads operations at permanent and temporary protective event sites. LT Strauss works closely with USSS partners in the region and within the federal government to develop medical support plans for all large events occurring at and around the White House Complex.

Presenter Bios

Simon Taxel, NRP

Simon Taxel is a Crew Chief and public safety diver with the Pittsburgh Bureau of EMS, a medical specialist on Pennsylvania USAR Strike Team 1, a contributing author for a variety of EMS platforms, a public speaker, and a harm reduction advocate.

John Todaro, NRP, RN, NCEE, CHSE, CHSOS

John Todaro is the Director and Principal Consultants with Eagle Emergency Education Consultants. His career spans forty-five (45) years, having held positions as a Field Paramedic, EMS Supervisor, EMS Field Training Officer, EMS Training Coordinator, Senior Coordinator of Medical Quality Assurance & Education, Director/Chief Operating Officer, Executive Director of a Regional EMS Council, Flight Nurse/Paramedic, ER and Trauma Nurse and EMT/Paramedic Instructor. He is a Nationally Certified EMS Educator (NCEE), Healthcare Simulation Educator (CHSE) and Healthcare Simulation Operations Specialist (CHSOS). He holds a Bachelor of Arts Degree in Business Administration/Healthcare Management from St Leo University, and Associate in Science Degrees in Paramedics and Nursing Pasco-Hernando Community College. 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. In August of 2009 John was honored by the National Association of EMS Educators when he was awarded their prestigious "Legends That Walk Among Us" Award. John has been actively lecturing at regional and national EMS conferences for over thirty (30) years and is a Founding Member and Past President of the Florida Association of EMS Educators, a Charter Member and Past President of the National Association of EMS Educators, and a Charter Member of the National Association of EMTs. He serves as a member of the EMS World Editorial Advisory Board.

Owen Traynor, MD

Dr. Traynor began his EMS service in 1978 as a volunteer Firefighter/EMT. Since then, and before medical school, he worked as an NYC EMS paramedic, and an EMS instructor. He graduated from the Larner School of Medicine at the University of Vermont in 1993 and completed his EM residency and an EMS fellowship at the University of Pittsburgh in 1998. For the past 20 years he has been the Medical Director of paramedic education at the University of Pittsburgh and the Center for Emergency Medicine of Western PA. He works clinically as an attending EM physician and director of prehospital care at St Clair Hospital. He is currently a member of the Board of Directors of the National Registry of EMTs.

Philip Walker, MD

Dr. Walker started in EMS as an EMT while attending Villanova University. At the time, he became involved with Villanova EMS and Radnor Fire Company. From this experience grew his desire to pursue a career in EMS and healthcare. He attended medical school at Thomas Jefferson University in Philadelphia and completed an Emergency Medicine residency at Vanderbilt University in Nashville, TN. He is currently an EMS fellow with the University of Pittsburgh Medical Center where he serves alongside some amazing colleagues with Pittsburgh EMS, STAT MedEvac, STAT-MD, and other affiliated EMS agencies.

Robert Walker, BS, NRP

Robert Walker, BS, NRP is the Regional EMS Education Specialist for the Emergency Health Services Federation, the regional EMS council serving 8 counties in South Central PA. Mr. Walker currently leads the Rural EMS Education Initiative, delivering initial and continuing education to underserved areas of the region, and oversees the mobile EMS simulation program. He recently completed a BS in Emergency Medical Services Administration from Columbia Southern University and is engaged in post-graduate work toward a Master of Public Administration degree. Additionally, he is an active paramedic with Warwick Community Ambulance in Lititz PA, the ToxMedic Program Coordinator at HazMat 2, Lancaster County's Hazardous Material Team, and is a frequent presenter at EMS conferences across the country.

Ernest Wang

Ernest Wang serves as the managing editor of JCEMS. He is currently a junior at Binghamton University majoring in neuroscience and philosophy. In addition to conducting research on skeletal diseases, Ernest is an EMT with Harpurs Ferry, Binghamton University's collegiate agency.

Mark Warren, MS, NRP

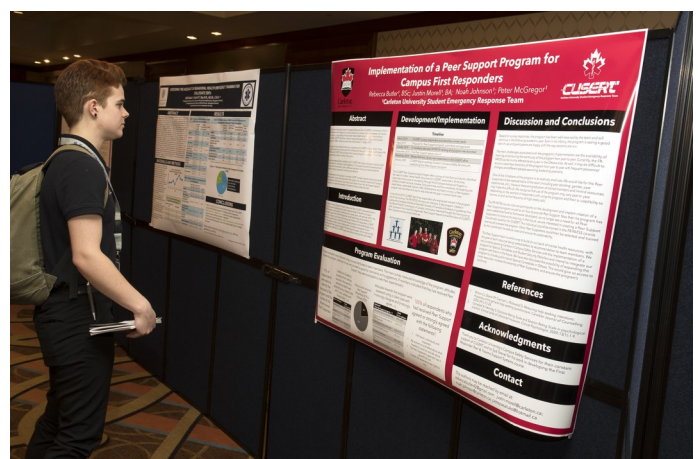
Mark Warren is a Special Agent with the Federal Bureau of Investigation. As a collateral duty, SA Warren serves as the FBI Pittsburgh Primary Medical Operator and Lead SWAT Medic. SA Warren is a member of the FBI's Special Operation Medical Group (SOMG) as an Advanced Capability Paramedic/Advanced Tactical Paramedic. SOMG is a capabilities forward team of Special Agent/Paramedics with the ability to deploy anywhere in the world on short notice to support tactical, austere, maritime, protective, medevac, and/or otherwise high risk missions with advanced medical capabilities. Prior to joining the FBI, SA Warren served as a Captain/Paramedic/Hazmat Specialist with a fire department for 13 years and has extensive experience in technical rescue, hazardous materials, incident command, and instruction.

Chris Wend, NRP, FP-C

Chris is currently a third-year medical student at the George Washington University School of Medicine. He has been involved in emergency services since 2013 as an EMT, paramedic, firefighter, and hazmat technician in Bucks County, Pennsylvania and the Washington, D.C metropolitan area. Chris is a previous Captain, Lieutenant and Stop the Bleed Coordinator for HERO, the collegiate EMS service for Johns Hopkins University.

Josh Worth, CEMSO, NRP

Joshua has 13 years of experience in public safety as a nationally registered paramedic, firefighter, rescue technician and hazardous materials technician. He has practiced in various areas of prehospital medicine at all levels of leadership. Joshua focuses on evidence-based, data-driven practices, initial and continuing education, and quality improvement initiatives. As a paramedic, he has worked in Eastern and Western Pennsylvania, North Carolina, and West Virginia. Josh is currently the Chief of Medical Rescue Team South Authority located south of Pittsburgh. He has earned numerous recognitions and certifications, including being credentialed as a Chief EMS Officer by the Center for Public Safety Excellence. He holds a bachelor's degree in EMS Administration from Columbia Southern University and is pursuing a master's degree from The George Washington University. Josh currently serves as a Board member for the American Paramedic Association and sits on the National EMS Management Association's Quality Assurance committee. He is a Peer Reviewer for the International Journal of Paramedicine and Adjunct Faculty for the Community College of Allegheny County.



Richard W. Vomacka Student Speakers Bios

Margaret Akey

Margaret Akey has worked as an EMT at UCLA EMS for the past two years responding to 911 calls in the sunny hills of Los Angeles. Margaret has also worked as the Public Relations and Hiring Coordinator at UCLA EMS leading the interview and testing process for the biannual hiring of new EMTs, as well as organizing public safety events like Stop the Bleed® and CPR classes for the UCLA community. Margaret Akey is a recent UCLA alumni, graduating in December 2021 as a neuroscience major with Summa Cum Laude Latin Honors, and aspires to pursue a career in neurology.

Andrew Bober, NRP

Andrew Bober is a senior in the University of Pittsburgh's Emergency Medicine program. With approximately 5 years of experience as a NJ EMT and 2 years experience as a 911 dispatcher, he now works as a paramedic in the North Hills of Pittsburgh. Andrew has a passion for emergency medicine research and advancing the care provided to patients in the pre-hospital setting.

Adam Kipust, EMT

Adam has been an EMT with UCLA EMS for the past year. Before UCLA EMS, Adam worked for AMR, served with Ski Patrol, Search, and Rescue, and internationally as a disaster emergency responder. Recently Adam has been working with the LA County EMS Agency Ad Hoc Workgroup on Mental Health and Substance Abuse Emergencies to develop policies on EMS's response to behavioral health emergencies. Previously Adam worked triaging calls on a crisis hotline and volunteered on a teen crisis hotline. Adam is a second-year Psychobiology student at UCLA, hoping to pursue a career as an Emergency Medicine physician.

Lily Nong, NRP

Lily Nong is a senior at the University of Pittsburgh, studying Emergency Medicine with a minor in chemistry. They started their career in EMS as a volunteer EMT in New Jersey, going on to currently work as a paramedic in the western suburbs of Pittsburgh. On campus, Lily does research on the sleep health of healthcare providers, in addition to being a general chemistry teaching assistant and a member of Pitt's D-I Women's Ultimate Frisbee team.

Christine Schremp, NREMT

Christine Schremp is a senior at Brown University studying Neuroscience. She serves as a Basic Life Support Supervisor and the Emergency Response Team Leader at Brown EMS, where she coordinates the EMS agency's response to multiple casualty incidents including planned university events and unplanned scenarios including the coronavirus pandemic. She is also currently training to become an Advanced Cardiac EMT. Outside of EMS, Christine conducts clinical research on novel therapies for treatment resistant depression. She is passionate about the intersection between mental health and EMS, and assisted in drafting the agency's first Mental Health Quality Improvement Report.

Maria Zou, NREMT

Maria Zou is a senior at Brown University studying Biology and International and Public Affairs. She serves as the Student Director and Basic Life Support Supervisor of Brown EMS. She has been involved in Brown EMS since 2015, and previously served as the CPR Program Coordinator, managing courses for campus Public Safety, Health Services, and Athletics. As director, Maria leads the BLS Supervisor Training Program, a rigorous curriculum focusing on leadership and trauma-informed care in high risk calls. Maria assisted in drafting the service's first Mental Health Quality Improvement Report, and wrote annual reports on Diversity and Inclusion.



IN MEMORIAM

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

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

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



NCEMSF Leadership Bios

NCEMSF EXECUTIVE BOARD

George J. Koenig, Jr., DO

George Koenig, NCEMSF President, is an Assistant Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is the Associate Medical Director of JeffSTAT and the Trauma Program 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

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 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). He completed his fellowship in trauma and surgical critical care at the Hospital of the University of Pennsylvania and his general surgery residency at Thomas Jefferson University Hospital. He received his Doctor of Medicine degree from Jefferson Medical College (now SKMC) in June 2007, and his BA in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998, as a member of Narberth Ambulance and served on Narberth's Board of Directors for twelve years as the Corps' Treasurer, Secretary, Membership Chair, and BLS Training Coordinator. He is currently a Life Member and an Assistant Medical Director. While at Columbia, Josh served as the CMO and Executive Director of CUEMS. Joshua became involved with NCEMSF in 2000. He served for three years as the Foundation's first National Coordinator before being elected to the Executive Board. Joshua is the 2003 NCEMSF Collegiate Provider of the Year Award as well as the 2003 recipient of the American College Health Association's Lewis Barbato Award.

Michael S. Wiederhold, MD, MPH, MS

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

Yoni Litwok, MD

Yoni Litwok, NCEMSF Director-at-Large, graduated from Brandeis University in 2007 with a degree in Economics. Prior to graduation, he was Clinical Supervisor and Director of Operations of the Brandeis Emergency Medical Corps. After graduating he worked for an investment firm before deciding to pursue a career in medicine. Yoni completed his post-baccalaureate studies at Rutgers University and then graduated from Rutgers New Jersey Medical School. Yoni completed an Internal Medicine residency and Cardiology Fellowship at Northwell Health. He served as both Chief Resident of Internal Medicine and Chief Fellow of Cardiology during his tenure. He is currently a Critical Care fellow at Mount Sinai.

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.



NCEMSF Leadership Bios

Stephen J. Lanieri

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

Joseph M. Grover, MD

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

Zachary Gant, NRP, CCEMT-P

Zachary Gant first entered the first responding world as 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

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

Jeffrey J. Bilyk, ACP(f)

Jeffrey J. Bilyk, NCEMSF EMS Week Coordinator, is the founder and former Director of the University of Windsor Emergency Response Team. He previously served on the NCEMSF Board as Canada Regional Coordinator. He worked as an EMT in Michigan and after a hiatus doing work in the field 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 provincially. In addition to his EMS work, Jeff owns a successful health and safety consulting company. He has always been a strong advocate for campus based EMS in Canada and endeavours to continue to grow the number of Canadian campuses with CBEMS teams.

Eric Pohl, 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 & 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 & NJ. Eric earned a Master of Science degree in Environmental Management from the University of Maryland Global Campus in 2021. Eric's professional interests include CBRN Consequence Management; crisis and disaster response; environmental sustainability; and responder mental health. He is a member of EPA's National Critical Incident Stress Management team, and also serves on the Summit County, OH ASSIST77 CISM team. He is the former NCEMSF NY Regional Coordinator.

Zachary Matuzsan, DO

Zach Matuzsan, NCEMSF Education Coordinator, began his EMS career in 2007 as a volunteer EMT with the East Windsor Rescue Squad in New Jersey. He joined the Hopkins Emergency Response Organization in 2008 as a freshman and later served as the Equipment Lieutenant and Operations Lieutenant. He graduated with a degree in Public Health Studies in 2012 and subsequently earned his Doctor of Osteopathic Medicine (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. He is board certified in Emergency Medicine and EMS/Pre-Hospital Medicine.

Timothy J. McMichael, NRP

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

Ian Feldman

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

NCEMSF Leadership Bios

Chicago in 2011 and holds a Certified Emergency Manager® designation from the International Association of Emergency Managers. Prior to becoming the NCEMSF Webmaster, Ian served as the Central Regional Coordinator for six years.

Christopher Gaeta

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

NCEMSF REGIONAL COORDINATORS

Evan A. Formosa

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

Laura Hanson, DO

Laura Hanson became involved in collegiate EMS as Founding Chief of Operations of the University of Arizona EMS from 2011-2012. She received a BS in Physiology in 2012, and an MA in Biomedical Sciences from Midwestern University in 2015. Laura worked as an EMT for Rural/Metro Southwest Ambulance from 2012-2017 and volunteered part-time as a reserve for the Arizona Department of Public Safety Air Rescue helicopter for many years. She completed medical school at Midwestern University in Arizona in 2020 and is currently an emergency medicine resident physician at Magnolia Health in Mississippi.

David Afienko, DO

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

Rachel Lorenc

Rachel Lorenc joined NCEMSF as the Regional Coordinator for the Mid-Atlantic Region after graduating from Johns Hopkins University where she served as Captain of the Hopkins Emergency Response Organization (HERO). She has prior experience as an EMT in Baltimore County and as a member of the Medical Reserve Corps. She will be attending medical school in Fall of 2021 and hopes to continue assisting with the growth and development of collegiate EMS programs nationwide.

Lex Martin, CCRN, NRP

Lex Martin has been involved with collegiate EMS since 2012 as an EMT with Case Western Reserve University, where she served as Chief for two years. She currently works as an RN in the Trauma and Life Support Center at University of Wisconsin Health and is active on UW Health's special pathogens and rapid response teams. She continues to be involved in EMS as an LTE paramedic and AHA BLS/ACLS instructor for Deer-Grove EMS in Dane County, Wisconsin.

Matthew D. Ricci, MPA

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

Lucas Rappert

Lucas Rappert, the NCEMSF North Central Regional Coordinator, became involved in collegiate EMS with the University of Wisconsin Madison Police Department First Responders. He 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.

Kate Kasen, MBA, RN, CEN

Kate Kasen, NCEMSF Northern New England Regional Coordinator, graduated from Saint Anselm College with her BSN in 2012, and obtained an MBA from Southern New Hampshire University in 2019. Kate first became involved in EMS in 2009, when she joined Saint Anselm College EMS as an EMT. Prior to graduating, she was elected to captain of Saint Anselm EMS. Kate has experience working in emergency & neuroscience nursing, as well as teaching and curriculum development for nurses, paramedics, physicians and other healthcare personnel. Kate is currently the Nurse Manager for the Emergency Department and Forensic Nurse Examiner Team at UVA Health. She is a Certified Emergency Nurse.

Ryan M. Hay, MSN, RN

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

Gabe Gan, MPH, 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 (he/him/his) 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

NCESMF Leadership Bios

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.

Madelynn Sopp
Madelynn Sopp, NCESMF West Assistant Regional Coordinator, began her collegiate EMS career in 2017 while attending the University of Southern California with the Emergency Medical Services of Southern California (EMSC). While with EMSC, she served as the Field Training Officer for the organization. Madelynn holds a Master of Science in Global Medicine from the USC Keck School of Medicine and Bachelor of Science in Human Biology. She also leads curriculum development for the non-profit Everyday Responder Project.

NOTES:

Schedule Summary

Sunday, February 27, 2022

7:30 AM - 8:30 AM	Continental Breakfast	Ballroom Foyer
8:00 AM - 9:00 AM	Workshop Session 9 (Page 22) Improving Care for the Aging Population CE Code: 319A I'll Sleep When I'm Dead: Sleep Loss and Fatigue in EMS Gender-Affirming Healthcare in EMS CE Code: 319C Bugs in the Blood: Red Flag Sepsis CE Code: 319D To Refuse or Not to Refuse, That is the Question CE Code: 319E	Grand Ballroom 3/4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2
9:10 AM - 10:10 AM	Workshop Session 10 (Page 22) Engineering Hemostasis CE Code: 320B Stress and Women in First Responder Roles CE Code: 320C It's Not Your Emergency: Why that's important! CE Code: 320D The Basics of Serotonin Syndrome CE Code: 320E Plan a Heist! Steal a Future For Your Agency CE Code: 320F Roundtable: Emergency Management/Disaster Preparedness CE Code: 320A Mini-Course: The ABC's of MCI's	Grand Ballroom 3/4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2 Duquesne Smithfield
10:20 AM - 11:20 AM	Workshop Session 11 (Page 23) Shot, Stabbed, and Blown Up: How to Make Bleeding Stop CE Code: 321A Ohhhhh Baby Baby!! CE Code: 321B 10lbs in the 5lbs Bag: Understanding Scope Creep CE Code: 321C Working Together: Communication Strategies CE Code: 321D Quality Improvement for Campus EMS Agencies CE Code: 321E Roundtable: Training CE Code: 321G Roundtable: Inside The Journal of Collegiate EMS CE Code: 321F	Grand Ballroom 3/4 King's Garden 1/2 King's Garden 5 King's Garden 3/4 Commonwealth 2 Benedum Duquesne
11:30 AM - 12:30 PM	Workshop Session 12 (Page 24) Simulation Training for EMS CE Code: 322B Things Are Not Always As They Seem CE Code: 322C Differential Diagnosis in the Prehospital Setting CE Code: 322D EMS Physician Extenders: What to do After Graduation? CE Code: 322E HIPAA for Collegiate EMS Agencies CE Code: 322F Roundtable: Fundraising and Financing CE Code: 322A	Grand Ballroom 3/4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2 Benedum
12:30 PM - 01:00 PM	Conference Wrap-Up	King's Garden 5



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Please remember to ***complete your evaluation forms*** online
(www.ncemsf.org/conf2022)

See You Next Year!

February 24-26, 2023

Schedule Summary

Saturday, February 26, 2022 (Continued)

1:30 PM - 2:30 PM	Workshop Session 6 (Page 14) The "Refusal of Transport": Your Agency's Biggest Liability. CE Code: 316C Creating a Protocol for Intoxicated Collegiate Patients CE Code: 316D Provider-led Innovation CE Code: 316E Germes Gone Wild 2.0 CE Code: 316F TCCC in a Nutshell CE Code: 316G What Could Go Wrong? Situational Awareness CE Code: 316H Lightning Talks CE Code: 316B -Community and Youth Education & Engagement: First-Aid & CPR -How to Get Your Research Published -Intelligent Disobedience: A leadership perspective Roundtable: Startup CE Code: 316I Roundtable: Administrative Challenges CE Code: 316A Walking Tour of Pittsburgh River Rescue	Grand Ballroom 3 Grand Ballroom 4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2 Grand Ballroom 1/2 Duquesne Benedum Hotel Lobby
2:40 PM - 3:40 PM	Workshop Session 7 (Page 15) Cardiac Arrest in the Capital City CE Code: 317B Understanding the Culture of Your Organization CE Code: 317C E*M*S* - 3-Pronged Approach for Managing COVID Fatigue CE Code: 317D Be The Solution: Running COVID Vaccination Clinics CE Code: 317E Unconventional Medicine in Law Enforcement CE Code: 317F Hallucinations, Delusions, Illusions? Understanding Psychosis CE Code: 317G Lightning Talks CE Code: 317A -Are Tattoos valid DNR Orders? -Can Someone Please Tell Me What's Going On? -Can They Actually Refuse? Roundtable: Effects of COVID on Your Organization CE Code: 317J Skills: Management Of Aggressive Behaviors (MOAB) CE Code: 317H Tour of MRTSA's Safety Ambulance	Grand Ballroom 3 Grand Ballroom 4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2 Grand Ballroom 1/2 Benedum Commonwealth 1 Lobby Entrance
3:40 PM - 3:55 PM	Snack Break	Ballroom Foyer
3:55 PM - 4:55 PM	Workshop Session 8 (Page 17) Stats, Stat! Leveraging Data to Improve Care CE Code: 318D Risk and Resource Management for EMS Providers CE Code: 318E V/Q Bushido: Becoming an ETCO2 Samurai CE Code: 318F Syncope: Who Do I Need to Worry About? CE Code: 318G 1st Due action for the Non-Transporting EMT CE Code: 318H Poor Prognostic Indicators: BLS Patient Assessment Review CE Code: 318I Lightning Talks CE Code: 318C -Building a Better Behavioral Health Bridge through 911 Diversion -Achieving a More Equitable EMS System -H2-ow!: Water Related Trauma Roundtable: Engaging Your Alumni Network CE Code: 318B Skills: Pediatric Critical Care Bundles CE Code: 318A	Grand Ballroom 3 Grand Ballroom 4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2 Grand Ballroom 1/2 Benedum Commonwealth 1
5:00 PM - 6:00 PM	Plenary Session - Major John P. Pryor, MD Memorial Lecture Shock Trauma Platoon at the Afghanistan Evacuation CE Code: 333A	Grand Ballroom 1/2
6:00 PM - 7:00 PM	NCEMSF Business Meeting and Awards Presentation	Grand Ballroom 1/2
7:00 PM - 10:00 PM	Dinner in Pittsburgh On Your Own	
7:00 PM - 8:30 PM	Alumni Social and Networking Event	Commonwealth 1/2
10:00 PM - 1:00 AM	NCEMSF Social Events - Comedy Club and Casino	

(Sunday on Previous Page)



Schedule Summary

Friday, February 25, 2022

3:30 PM - 10:00 PM	Registration	Ballroom Foyer
5:00 PM - 10:00 PM	Stryker EMS Skills Classic	Ballroom Foyer
6:00 PM - 7:00 PM	Workshop Session 1 (Page 7) Equitable Care: Fighting Unconscious Bias CE Code: 311A EMS at Crime Scenes - Managing Safety and Integrity CE Code: 311B Hard Knocks: Pediatric Trauma CE Code: 311C Excited Delirium CE Code: 311D	Commonwealth 1 Commonwealth 2 Grand Ballroom 3 Grand Ballroom 4
7:10 PM - 8:10 PM	Workshop Session 2 (Page 7) Hidden Emergencies: Clinical Cases in Endocrine CE Code: 312A Your Brain is Trying to Trick You CE Code: 312B Prehospital Harm Reduction CE Code: 312C They Took What? How? CE Code: 312D Panel: Chiefs and Presidents Leadership CE Code: 312E	Commonwealth 1 Commonwealth 2 Grand Ballroom 3 Grand Ballroom 4 King's Garden 1
8:20 PM - 9:20 PM	Plenary Session 1 EMS at Crime Scenes - Interactive Event CE Code: 331A	Grand Ballroom 1
9:15 PM - 12:00 AM	PCOM Welcome Social & Mixer / CPR Challenge	King's Garden 2-3

Saturday, February 26, 2022

7:15 AM - 8:30 AM	Continental Breakfast	Ballroom Foyer
7:45 AM - 8:15 AM	Group Introductions / Meet & Greet	Grand Ballroom 1/2
8:15 AM - 9:15 AM	Plenary Session 2 - Civil Unrest: Threats to EMS Personnel CE Code: 332A	Grand Ballroom 1/2
9:25 AM - 10:25 AM	Workshop Session 3 (Page 9) Basic Rescue Medicine CE Code: 313B High Fidelity Simulation on a Low Fidelity Budget CE Code: 313C Surfside Collapse: A Month Remembered CE Code: 313D What Saves Lives In An Active Shooter Event CE Code: 313E Hot Topics In EMS CE Code: 313F Sense & Sensitivity: Responses to Sexual Assault CE Code: 313G Lightning Talks CE Code: 313A -One Pill Killers: Beta Blocker and Calcium Channel Blocker Overdose -My Hospital Is Better Than Yours: Choosing the right patient destination -Shock Index: A vastly underutilized metric in understanding clinical acuity Roundtable: Administrator/Advisor/Medical Director CE Code: 313H Roundtable: The Pros and Cons of Social Media CE Code: 313I	Grand Ballroom 3 Grand Ballroom 4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2 Grand Ballroom 1/2 Duquesne Benedum
10:35 AM - 11:35 AM	Workshop Session 4 (Page 11) Quality Matters: Making Your QA/QI Program Work CE Code: 314B Show Me The Money! Funding a Campus Agency CE Code: 314C When Stroke is a Joke: Challenges in Stroke Triage CE Code: 314D Fire Down Below: Inhalation Injury CE Code: 314E New Drug Alert! PA's Prehospital Buprenorphine Program CE Code: 314F Healing The Healers: Dangers of Sexual Harassment in EMS CE Code: 314G Lightning Talks CE Code: 314A -Collegiate EMS, Versatility During the Pandemic -Stories from a Pediatric Flight Nurse -Flying High in EMS: Applying aviation's lessons to the prehospital industry Roundtable: Technology CE Code: 314H	Grand Ballroom 3 Grand Ballroom 4 King's Garden 1/2 King's Garden 3/4 King's Garden 5 Commonwealth 2 Grand Ballroom 1/2 Benedum
11:45 AM - 12:30 PM	Workshop Session 5 (Page 13) Richard W. Vomacka Student Speaker Competition CE Code: 315A Collegiate Mental Health Patients: To ED or Not to ED? Defining the Role of EMS in Behavioral Health Emergencies The D Word: Making Effective Diagnoses in the Field Regional Roundtable Discussions CE Code: 315B	Grand Ballroom 1/2 King's Garden
12:30 PM - 1:30 PM	Lunch On Your Own	

(Continued on Inside Back Cover)