

NCEMSF 2019

The 26th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 22-24, 2019
Wyndham Grand Pittsburgh Downtown Hotel
Pittsburgh, PA

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Conference Policies

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

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

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

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

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

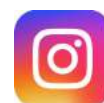
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President's Welcome

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 42

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	Michael T. Hilton, MD, MPH
Director-at-Large	Yoni Litwok, MD

Division Chairs / Coordinators

Membership	Karolina A. Schabses, MPH
National Coord.	Stephen J. Lanieri
Startup	Joseph M. Grover, MD
Asst Startup Coord.	Daniel McConnell
Alumni	Joshua E. Glick, MD
EMS Week	Jeffrey J. Bilyk, ACP(f)
Emergency Mgmt	Eric Pohl, NRP
Technologist	Timothy J. McMichael, NRP
Hotel Liaison	Jennifer Shoemake, MSN, CRNP
Webmaster	Ian Feldman
HR	Katie Egan, MD, RN
Editor, JCEMS	Nicholas M.G. Friedman
Exec Editor, JCEMS	Brittany J. Dinger

Regional Coordinators

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

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 and instagramable pictures. 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

(History - Continued on page 33)

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

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

2009 - Washington, DC
2010 - Baltimore, MD
2011 - Philadelphia, PA
2012 - Baltimore, MD
2013 - Washington, DC
2014 - Boston, MA
2015 - Baltimore, MD
2016 - Philadelphia, PA
2017 - Baltimore, MD
2018 - Philadelphia, PA
2019 - Pittsburgh, PA

Future Conferences:

2020 - Boston, MA - February 28-March 1
2021 - Baltimore, MD - February 26-28

Pre-Conference Workshops - Friday, February 22, 2019

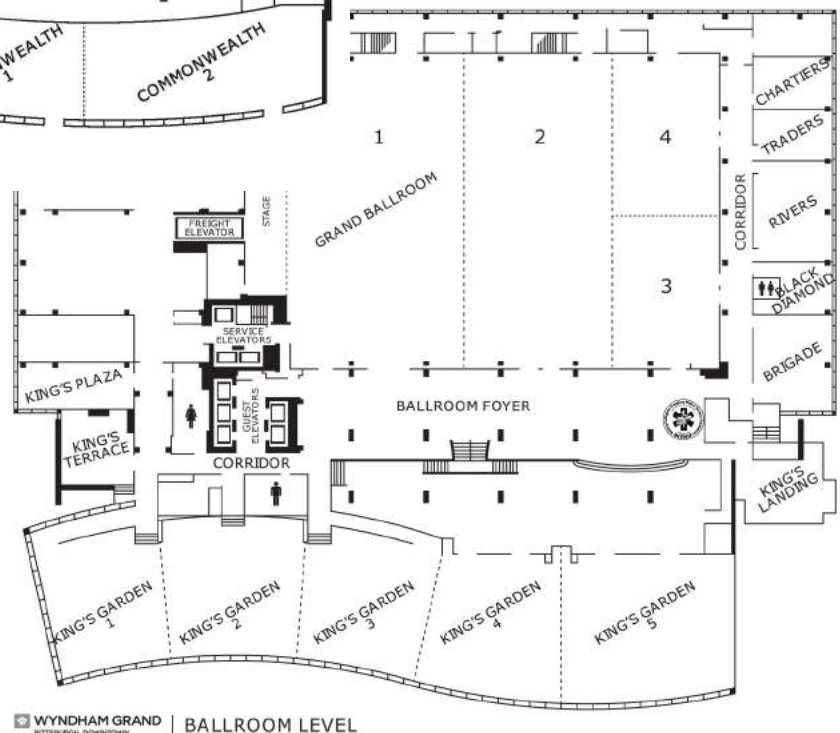
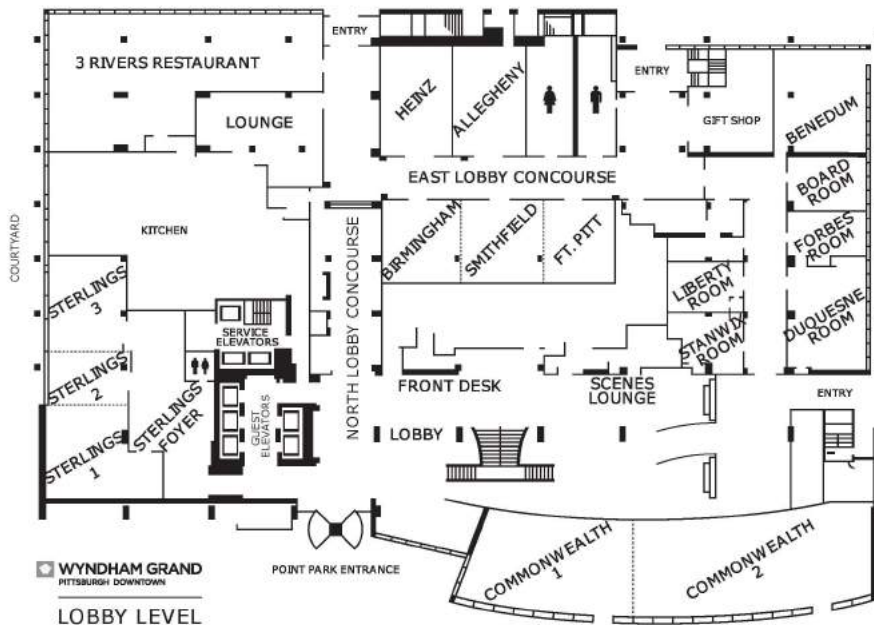
9:30 am - 5:30 pm **Medical Considerations for Technical Rescue** *Off Site*
Med-Tex Services, Adams Area Fire District and Ross/West View EMS-Rescue

Technical rescues are challenging incidents that require a medically-focused response in order to ensure a successful outcome. Pre-hospital providers performing technical rescue operations will be faced with unique obstacles that are different from every day emergency medical calls. Examples of some of these obstacles include dark, austere environments, safety issues such as hazardous atmospheres, limited space, and prolonged extrication times. Providers will develop an awareness level of technical rescue and develop basic operations level knowledge and skills related to medical treatment of patients. This course will be held at Adams Area Fire Headquarters, Mars, PA. Transportation/Lunch provided. *Meet in lobby at 0900.*

1:00 pm - 4:00 pm **Medical Management of Mass Gatherings** *King's Garden 1*
Ryan M. Hay, RN and Eric Pohl, NRP, NCEMSF Emergency Management Team

The purpose of this session is to introduce pre-hospital providers to the planning and operational execution of medical support to large-scale events. Providers will be introduced to both clinical and management topics including pre-incident planning, the incident command system, clinical operations, medical intelligence, triage, MCI trauma care, and collaboration with public safety and community partners. This session will culminate with a MCI triage and treatment exercise involving bleeding control and crisis standards of care principles.

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 Ballroom Foyer

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City of Pittsburgh EMS
www.pittsburghpa.gov/ems



Code 1 Training Solutions, LLC
www.code1web.com



Ember Medical
www.embermed.com



FBI
www.FBI.gov



Gwinnett County EMS
www.gwinnettcounty.com

National Guard
www.nationalguard.com



NREMT
www.nremt.org



Pennsylvania Athletic Trainers Society
www.gopats.org

Responder Admin
Responderadmin.com



US Army
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VCI Ambulances
www.vciambulances.com



Professional Associations

Sudden Cardiac Arrest Association
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Health Education Programs

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Conference Schedule - Friday, February 22, 2019

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 required). Upon check-in, attendees will receive a name badge that must be worn throughout the weekend as admittance to conference lectures and activities require it. Alumni, presenters and exhibitors should identify themselves to receive the appropriate identifiers on their badges.

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

Ballroom Corridor

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.

5:30 pm - 6:00 pm

How to Make the Most of the Conference Experience

King's Garden 3

Joseph M. Grover, MD, NCEMSF Startup Coordinator

Daniel McConnell, NCEMSF Asst. Startup Coordinator

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

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

It's All Full Underneath the Rug.

Grand Ballroom 3

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

While we have learned that medical errors are not killing 1/3rd the population like the media would have us all believe, it's a topic that is still cause for concern in EMS. This lecture will review past practice and how to shift towards a Just Culture in your EMS agency so that providers can learn from the mistakes of themselves and others and ultimately save more patients. *CME Code: 221D*

Click. Click. Boom! A Review of Explosive and Blast Injuries

Grand Ballroom 4

Brendan Mulcahy, DO

The risk for terrorist attacks in the United States is drastically increasing every day. Until this past decade, the United States has been largely spared of mega-terrorist attacks, and unfortunately, the number of providers with experience in explosive-related injuries is decreasing. Emergency response personnel must be familiar with the unique pathophysiology associated with explosions and blast injuries. Explosions can produce unique patterns of injury seldom seen outside combat. When they do occur, they have the potential to inflict multi-system life-threatening injuries on many persons simultaneously. Because explosions are relatively infrequent, blast-related injuries can present unique triage, diagnostic, and management challenges to providers of emergency care. *CME Code: 221C*

Life Flight Program - A Career Opportunity

King's Garden 4

Cynthia Sanchas, CFRN, MSN

This lecture will provide an overview of the Life Flight Program at Allegheny General Hospital in Pittsburgh, PA specifically highlighting the medical crew requirements, training, and professional expectations. The role of flight programs in assisting with the continuity of acute care patients from one setting to another will be discussed. An open discussion of participants' questions regarding the realities of the medical crews' working environment will be entertained. *CME Code: 221E*

Funny, You Don't Look Deaf

King's Garden 5

Rebecca Valentine

Medical mistakes, omissions and delays can happen when miscommunication occurs on scene. This session takes a closer look at how to recognize and better communicate with our patients who are deaf or hard of hearing. Additionally, as EMS professionals, we put our hearing at risk on a daily basis. Tips to avoid further hearing loss will be explored. During the last portion of this session, attendees will have a chance to learn and practice some basic emergency signs in American Sign Language. *CME Code: 221A*

Roundtable and Panel Discussions

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

Conference Schedule - Friday, February 22, 2019

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

Roundtable: Startup

King's Garden 3

Joseph M. Grover, MD, NCEMSF Startup Coordinator

Daniel McConnell, NCEMSF Asst. Startup Coordinator

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learn at this year's conference and helping them determine the next steps in solidifying their fledgling organizations. *CME Code: 221B*

7:10 pm - 8:10 pm Workshop Session 2 Culture Triage: How's Your Agency Doing?

Grand Ballroom 3

James Dlutowski, NRP

All too often leadership is associated with management. In reality, you don't have to wear a white shirt to be an effective leader. In fact, being an excellent leader at the provider level could pave your way to success in the future, not only in EMS but in life. This session talks about the importance of effective leadership at all levels, improving morale, invigorating staff and overcoming toxic providers, colleagues and environments. *CME Code: 222D*

Unconventional EMS Support to Law Enforcement Operations *Ballroom 4*

Anthony Colantoni, RN, NRP

This presentation will provide participants with considerations for supporting law enforcement operations which may affect the application of routine EMS fundamentals. It will address how to plan and integrate with law enforcement to ensure coordinated efforts for timely, effective patient care and transport in unconventional settings. An understanding of these perspectives will assist in EMS integration with law enforcement responses to the growing occurrences of complex and high risk tactical situations. This integration will assist EMS providers in their effectiveness in preparing and responding to unconventional casualty situations. We will review case studies of complex law enforcement operations to reinforce the concepts of this presentation. *CME Code: 222E*

Where Does He Get Those Wonderful Toys?

King's Garden 4

Clayton Ondrizek

How do you determine the appropriate equipment to purchase for EMS operations beyond the daily routine "treat and transport" scenario, but commonly encountered special operations, such as firefighter rehab, special event coverage, and disaster response? How do you transport said equipment? How do you make the most of your budget to have equipment and vehicles capable of more than one function? Based on real-world experience with operations of various scale and complexity, this presentation will provide insight into how to address these concerns and build a multi-functional equipment cache and/or vehicle best suited for your agencies needs. *CME Code: 222B*

"Hacking the Human Brain"

King's Garden 5

Addressing Real Life Fears in Resuscitation Education

David Hiltz

Encountering a victim of sudden cardiac arrest is frightening. Witnessing the collapse of a family member or friend is terrifying. Agonal breathing, seizures and posturing are likely to significantly increase fear and add confusion among potential rescuers to the point of unwillingness or inability to act. Phobias and fears come in all shapes and sizes: closed places, heights, escalators, tunnels, highway driving, water, flying, dogs, spiders, snakes and the sight of blood are common objects of phobia-like anxiety. Based on available evidence, it is reasonable to qualify fear as a significant barrier to bystander initiated CPR. Explore this subject and learn of innovative methods for helping people address fear and break the link between the feared situation and the panic reaction through controlled exposure. *CME Code: 222C*

Panel: Chiefs and Presidents Leadership

King's Garden 3

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. *CME Code: 222A*

8:20 pm - 9:20 pm Plenary Session The Tree of Life Tragedy - What Saved Lives

Grand Ballroom 1

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. *CME Code: 223A*

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

Grand Ballroom 2

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

Grand Ballroom 2

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...



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.ncemf.org/conf2019 to view the electronic program or to download a PDF of this printed program to your smartphone or tablet.

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

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

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

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

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

Conference Schedule - Saturday, February 23, 2019

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* *Grand Ballroom 1*
Out of the Crucible: Transforming Combat Casualty Care
Arthur Kellermann, MD, MPH

Our nation's military health system--while working alongside coalition forces fighting two wars on the other side of the world (and simultaneously caring for millions of service members, dependents, and military retirees at home)--completely transformed its approach to combat casualty care. This talk will share these innovations with the wider EMS community. Attendees will learn how the military has increased combat injury survivability to over 90%; how it did it rapidly and on the fly; and how civilian health systems have adopted the military's lessons in their own delivery of trauma care. Dr. Kellermann will explain how the military and civilian health systems enhance one another and how lessons learned in one arena benefit the other. *CME Code: 231A*

9:25 am - 10:25 am *Workshop Session 3* *Grand Ballroom 3*
You're Not Progressive, You're Just an Asshole
Jeffrey Bilyk, ACP(f), NCEMSF EMS Week Coordinator

Heads up CPR, half-dose epinephrine, mechanical CPR, stroke ambulances, double defibrillation and more. All billed and promoted by many agencies as the key to their success. But in the age of evidence based medicine and pre-hospital care we must follow what the evidence says. This lecture will highlight the current state of EMS evidence of many major "flashy" topics, and why they may not necessarily be a good thing outside the realm of a sanctioned clinical trial. *CME Code: 2320*

Managing Crashing Patients in the Field - Reducing Mortality *Grand Ballroom 4*
Mark Pinchalk, MS, EMT-P

EMS providers routinely encounter critically ill medical patients in the field. Taking a "load and go" approach with these patients will often result in increased morbidity and mortality. This presentation will review the concept of "crashing" medical patients and physiological and operation parameters associated with these patients suffering cardiac arrest in the field during care. A management algorithm will be proposed to provide more effective aggressive prehospital care to these patients and improve outcomes. QI data from an urban EMS system will be reviewed highlighting the effectiveness of this strategy. Persons attending the lecture are eligible to attend a practical session with skills sessions and case based scenarios based on this care strategy. Preregistration for the practical portion is required. *CME Code: 232I*

Associated Off-Site Skills Lab

Three separate associated practical skills sessions (high fidelity simulation) will be held off-site at the Pittsburgh EMS training facility (transportation provided - van leaves promptly at posted start times). Attendance of the lecture portion above is required for participation in one of the skills sessions. Sign-ups for these skills labs will only be available during the lecture (16 student max per skills session). Meet in the lobby at the specified times. *Session 1: 10:30 am - 12:00 pm (CME Code 201A); Session 2: 1:00 pm - 2:30pm (CME Code 202A); Session 3: 3:30 pm - 5:00 pm (CME Code 203A)*

We Need You! *Commonwealth 1*
Campus EMS Today, Unlimited Opportunities Tomorrow
Megan Hollern, MA, RN, NRP

The future of EMS is rapidly changing, and you are an important part of that change. This presentation demonstrates the value you provide every day along with a discussion on the past, current, and future state of EMS. Participating on a campus EMS team is just one step in building your future. There are several opportunities on campus, at the state level, and even on the national front. Finally, you'll learn how to get involved and be an active participant to make a lasting impact in your future and the future of EMS. *CME Code: 232N*

EW! What's That Rash? *Commonwealth 2*
Rebecca Valentine

You are dispatched for the person not feeling well. Pretty typical call. When you get on scene, your patient has a nasty rash. You pause to put on your personal protection equipment because this may be communicable. This session will be run via case based discussion to figure out what the rash might be, why it's there and if it will harm us. *CME Code: 232E*

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First Responder Organization (FRO) to Transport Service

King's Garden 1

Trent Herrod

This presentation will discuss lessons and ideas that can be useful if your organization is considering running a full time ambulance service. Going from a first responder only organization and deciding to be your own service has its rewards, but also comes with many questions for which you may not be ready. Come listen to what it takes to make this transition. *CME Code: 232F*

Fit for Duty

King's Garden 2

James Boomhower, NRP

This session will discuss the importance of cumulative stress disorder and PTSD awareness and recognition in EMS. "Fit for Duty" will tell the story of a new HEMS provider and an incredibly challenging call for him, his patient and his team. Using this framework along with a healthy bit of humor, James aims to ensure all members of the EMS community understand the importance of treating our mental health no differently than the physical health of our patients. Taking stock of the symptoms, seeing the signs and ensuring that we are all Fit for Duty. *CME Code: 232G*

Important EMS Research 2018-2019: Ten Minutes at a Time

King's Garden 3

Kenneth Navarro, MD

This presentation will review the results of five research studies published in 2018/2019 that may change the way EMS personnel care for patients in the near future. This session will review the results of the PRAGMATIC Airway Trial (airway management in cardiac arrest), the PARAMEDIC Trial (epinephrine administration in cardiac arrest), the PHANTASi Trial (prehospital antibiotics for sepsis), the COMBAT Trial (prehospital use of plasma), and the prehospital use of IV sodium nitrite following cardiac arrest. *CME Code: 232H*

The Patient Arrested - Now What? Evidence-Based Resuscitation in 2019.

King's Garden 4

Jacob Miller, CCRN, EMT-P

This ISN'T your run-of-the-mill ACLS talk! EMS teams are called to care for some of the sickest patients prone to cardiopulmonary collapse. Although we all maintain CPR certifications and paramedics are ACLS trained, a number of recent studies have called into question whether we're properly resuscitating our patients in the peri- and intra-arrest setting. This presentation will review notable studies from the last few years, including PART, AIRWAYS2, PARAMEDIC2, ALPS, and others, and offer insight into what they might mean for critical care resuscitation in current and future practice. Please note that most discussion will be geared toward ALS-level interventions. *CME Code: 232K*

Throwing Out the Backboard: Evidence-Based Spinal Immobilization Protocols

King's Garden 5

Evan Kuhl, MD

Since the 1960's, spinal immobilization has been an important part of pre-hospital care to prevent further spinal injury. Over the past 60 years, despite significant improvement in almost every other aspect of care, spinal immobilization protocols have changed little. This lecture will cover the history of spinal immobilization, discuss issues with current techniques, and review the current spinal immobilization literature. Attendees will work together to review proposed protocol changes, understand the process of protocol revision, and compare new evidence-based protocols with traditional convention. *CME Code: 232L*

Uberlamps & Ambulyfts: Exploring Ridesharing Alternatives to Ambulance Transportation

Sterlings 2/3

Thomas Goode, MS, NREMT and Leonard Weiss, MD

Collegiate EMS agencies routinely encounter patients who require evaluation at a higher level of care but whose condition may not warrant ambulance transport. However, these agencies may not have effective systems in place to facilitate alternative means of transport for low acuity calls. Non-transport collegiate agencies may be forced to request an ambulance from a local EMS provider in these cases, which can contribute to the strain of an already busy urban EMS system. Ride-sharing programs like Uber and Lyft offers a potential solution to allow for immediate, low-acuity patient transport while avoiding a significant cost to the patient and the loss of an available transporting EMS unit. We examine the clinical, operational, and policy decisions required to effectively facilitate patient transport via a taxi or ride-share based system through a 4-year study of a local collegiate EMS agency that routinely facilitates patient transport to hospitals and urgent care facilities via means alternative to ambulances. In addition to reviewing the clinical data and medical decision-making required to determine the appropriateness of using ride-sharing services in lieu of an ambulance, this presentation will enable audience members to extrapolate and estimate the impact of incorporating ride-sharing services into their transport options. *CME Code: 232M*

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Roundtable: Advertising and Campus Media

Duquesne

Kathryn Marquis, RN, CEN, NCEMSF N. New England Regional Coordinator

Dan McConnell, NCEMSF Asst. Startup Coordinator

Whether you are establishing a campus EMS agency, or are a member of an established organization, recruiting, advertising and branding are integral parts of running and maintaining a campus EMS agency. This roundtable is devoted to organizations of all sizes looking to improve or perpetuate campus recruiting techniques, brand, rebrand, or looking to establish footholds in campus media outlets. *CME Code: 232C*

Roundtable: Administrator/Advisor/Medical Director

Benedum

Michael S. Wiederhold, MD, MPH, NCEMSF Treasurer, Moderator

In this first of two roundtables dedicated to campus administrators, EMS advisors and medical directors present, NCEMSF Leadership will begin discussing concerns of university officials and address issues that they may be facing on their campuses. This first session is designed as an introductory mixer; grab your coffee and meet your fellow university administrators, advisors and medical directors in attendance. *CME Code: 232B*

Skills Lab: Johnny Is Lost - Introduction to Search and Rescue

Brigade

Steve Lanwermyer

This workshop will allow participants to role play a Search and Rescue scenario in the Rocky Mountains. Learn the basics of managing a search in a remote environment while strategizing rescue plans for a group in the high country of the West. This exercise will take the form of a "choose your own adventure" narrative with participants getting information, making plans, learning the results and then updating their plans for the next phase. At the end of the session, participants will be familiar with the basics of Search and Rescue theory, and will hopefully have found Johnny. *CME Code: 232A*

**** This is the first of the Skills Labs scheduled for the conference weekend. This and all Skills Workshops are LIMITED TO THE FIRST 25 PARTICIPANTS. Sign-ups for these Skills Labs are online (ncemsf.org/skills-labs) only beginning at 7am on Saturday (see page 9 for details)**

Skills Lab: The Art of Suturing

Rivers

Katie Egan, MD, RN, Shannon Tomfohrde, MD, AEMT and Leah Krueger, MD

Ever wonder how the laceration to the face from a glass bottle was treated when the patient got to the ED? Learn the basics of suturing from experts in the field, including resident physicians in Plastic Surgery and Family Medicine. This hands-on workshop will introduce different types of suture material, options for wound closure, and suture techniques. We will also emphasize wound assessment principles which can be utilized in the field. Following a brief introduction to suturing, we will spend the majority of the class with hands-on, guided practice in a variety of suture methods. This workshop is designed for Collegiate EMTs interested in wound care, especially those interested in pursuing careers in medicine, physician's assistant, and nursing. *CME Code: 232J*

Skills Lab: Combat Zone Simulation

Sterlings 1

Mini-Bushmaster at the NCEMSF Conference!

Aaron Saguil, MD, MPH, FAAFP

Bushmaster is the capstone learning experience for students at the Uniformed Services University. Held in the woods of central Pennsylvania over the course of five days, students stay in barracks and tents while engaging in medical simulation exercises. These exercises teach students medical teamwork while also helping them learn to lead themselves and one another through increasingly difficult adaptive medical challenges. These challenges require students to administer medical care while dealing with the resource constraints of an austere deployment environment. We are happy to bring a version of this Bushmaster training to the NCEMSF Conference. While with us, you will learn how to triage combat casualties, provide ATLS level care, and understand some of the principles in providing the best medicine possible in a resource constrained setting. *CME Code: 232D*

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

Postpartum Emergencies

Grand Ballroom 3

Chris Ebright

Postpartum emergencies often include hemorrhage, eclampsia, infection, heart failure, and emboli formation. Failure to recognize and treat these conditions can lead to disastrous consequences for the patient, including stroke, permanent brain damage, or death. This presentation will discuss the various types of emergencies to be aware of and how to manage these patients in the pre-hospital environment. *CME Code: 233H*

Sliding Lungs & Shifting Fluid: Indications for Pre-hospital US

Grand Ballroom 4

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

The use of ultrasound (US) is gaining momentum in pre-hospital EMS systems. Improvement in technology has contributed to more widespread use of ultrasound by EMS providers. Review the existing literature on ultrasound and discuss how it could be integrated into existing protocols. Explore limitations of ultrasound and consider how it can complement your physical assessment skills. *CME Code: 233L*

Conference Schedule - Saturday, February 23, 2019

Sense & Sensitivity:

Commonwealth 1

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 the latest research within forensic sexology on the mind's response to trauma. *CME Code: 233K*

Love Hurts: When Sex Broke More Than Just My Heart!

Commonwealth 2

Alan Heckman

This 'adults only' class will explore emergencies originating in the bedroom. When injuries occur to someone's "happy place," EMS is sure to get called. By learning the "ins-and-outs" of this type of trauma, this class is guaranteed to leave you completely satisfied! *CME Code: 233G*

Recruitment and Retention in EMS

King's Garden 1

Peter Melan

Having recently represented the National League of Cities in a forum on recruitment and retention in the volunteer fire service, I felt that the issues faced in EMS are much more severe and critical in nature. Staffing shortages are becoming more prevalent as less people become involved in the industry, in addition to services closing their doors due to lack of funding and staffing. The presentation will outline several key areas that agencies can look at and improve upon in order to successfully recruit and retain EMS providers. *CME Code: 233I*

See One, Do One, Teach One: Finding Your EMS Mentor

King's Garden 2

Amy Eisenhauer

Mentoring has long been a tradition in the medical profession, yet it is an underutilized tool in the EMS arsenal. Many EMS providers feel stagnated and leave the field, taking their passion and skills with them to benefit another industry. Mentoring can inspire providers' passion for EMS again. This presentation will discuss the mentoring relationship and expectations of both the mentor and mentee. Benefits of having a mentor for the individual EMS provider and how to find one will also be reviewed. *CME Code: 233J*

The Art of Writing a Compelling Clinical Narrative

King's Garden 3

Douglas Wolfberg, JD

In this era of electronic PCR documentation, good clinical narrative writing is becoming a lost art. However, the narrative is the central "core" of the PCR for communicating clinical information and reducing provider liability. In this eye-opening session led by Doug Wolfberg, a collegiate EMS alum and nationally-known EMS attorney, we'll give you a whole new way to approach the writing of compelling clinical narratives that serves your patients and protects providers. *CME Code: 233N*

The ABCs of Anaphylaxis

King's Garden 4

Ron Roth, MD

Allergic reactions including anaphylaxis are relatively common complaints in the out-of-hospital setting. The classic case of a rash, throat swelling and shortness of breath after being stung by a bee is easily recognized and anaphylaxis. However, hypotension without a rash or obvious inciting incident is much more challenging. What is the role of antihistamines and steroids in treating acute anaphylaxis? You might be surprised what the latest research suggests. We will review a simple ABC approach to acute anaphylaxis. *CME Code: 233M*

Bringing Stop the Bleed to Your College Campus

King's Garden 5

Scott Spangler, NRP, FP-C

The Stop the Bleed initiative calls for public access to bleeding control kits and training for the lay public on how to recognize and control severe bleeding. Join us to discuss ways you can bring these vital resources to your college campus. *CME Code: 233D*

Body Language for Healthcare Providers

Sterlings 2/3

Koralia Burz, MS

How adept are you at reading body language? Do you know of tools and tricks you can use to help you diffuse an adverse situation just by subtly changing the way you stand? In this talk we will focus on discussing ways of understanding body language better, and how to maneuver subliminal communication. *CME Code: 233C*

Conference Schedule - Saturday, February 23, 2019

Roundtable: Technology

Benedum

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

There's no doubt that technology has become an integral part of EMS in the last decade. From transmitting 12-lead EKGs to a receiving hospital to electronic patient care reports (ePCRs) to social media to overall online presence, technology has become pervasive in all aspects of EMS. What are groups using? How are they implementing it? Who is managing it? What challenges are you facing? This roundtable workshop will discuss some of the current hot topics and dive into areas of interest indicated by the attendees. **CME Code: 233B**

Panel: EMS Research Design & Execution

Duquesne

Nicholas MG Friedman, Editor-in-Chief, Journal of Collegiate EMS

Brittany J. Dingler, Executive Editor, Journal of Collegiate EMS

Michael T. Hilton, MD, MPH, FACEP, FAEMS, NCEMSF Director-at-Large

Research provides an exciting means to contribute to the advancement of knowledge in collegiate EMS and the broader medical field. Conducting research also opens up significant opportunities for travel, networking, and career development. Our goal for this session is to get you started on the path to conducting research and to help you get past some of the challenges. Secondly, the session provides an opportunity for attendees to network with experts. In this panel discussion, we will focus on the major steps of performing a successful research project from start to finish. Talented and successful EMS researchers, many of whom started as collegiate EMS providers, will cover critical topics, including the identification of a research mentor, generation of a research question, study design, the role of institutional review boards, and submission for presentation and publication. The panelists will conclude the discussion with a lively Q&A session to prepare attendees to embark on their research journeys. **CME Code: 233F**

Skills Lab: The Art of Suturing

Rivers

CME Code: 233A

Skills Lab: Combat Zone Simulation

Sterlings 1

Mini-Bushmaster at the NCEMSF Conference!

CME Code: 233E

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

18th 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.

You'll Never Do That Again!:

Grand Ballroom 3

Simulation in Collegiate EMS Education

Victoria Clarke and Daniel Moskowitz

We all know the stereotype: collegiate EMS agencies just babysit the drunks. While it's not entirely true, it is reflective of the narrow case mix and homogenous population with which we often deal. Campus EMS agencies have to fill this gap to ensure providers are prepared to respond to calls that are outside of the norm. Training often times takes the form of isolated simulation; working on a particular skill outside of the context in which it would be encountered--think doing CPR with a knee pad in a wide open space or taking a blood pressure in complete silence. While this is important for initially learning the skill, replicating the dynamic environment under which EMS providers work is a critical and commonly overlooked aspect of simulation. Research suggests the success of full environment simulation (FES) in medical education is attributed to the fact that humans are more likely to remember events with which they associate a strong emotional reaction. We will discuss the research behind this, techniques that we've developed for implementing FES including building a simulated ambulance, and how FES can be used to better integrate campus EMS agencies into the outside community's EMS services. **CME Code: 234I**

Pimps, Prostitutes, and Providers

Commonwealth 1

Lauren Wilson

Human trafficking is a widespread problem that affects persons both locally and globally. Often times EMS providers are the first people to lay eyes on a human trafficking victim. Despite its prominence in our world, there is a lack of education amongst healthcare providers. Research suggests that more than 80% of victims encounter one or more healthcare professionals while they are being trafficked. Of these providers encountered, 60% were emergency personnel. Although emergency personnel have a high rate of interaction with victims, less than 5% of emergency department personnel have received formal training on human trafficking. This lecture will provide a brief overview of trafficking, including the national definition of trafficking, types of trafficking, and vulnerabilities associated with victims. It will also inform emergency medical providers of red flags and warning signs to look for in patients. Attendees will also learn techniques to implement for identification and treatment. To conclude, attendees will

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receive information for national trafficking organizations and resources available for both victims and providers. Furthermore, attendees will be encouraged to find local organizations in their area that do outreach with victims and survivors of human trafficking. *CME Code: 234F*

The Cost of Caring: Compassion Fatigue

Commonwealth 2

Riley Kimball

Trauma workers come into contact with many patients experiencing traumatic events in many ways. This high exposure to trauma leaves workers vulnerable to Secondary Traumatic Stress Disorder (also known as compassion fatigue), a disruptive response that mimics the symptoms of PTSD, but is felt by those who did not directly experience the traumatic event. STSD in EMS is rarely a topic of discussion due to the culture and stigma surrounding mental health, contributing to an increased risk of suicide in EMS providers. It is important to understand how we become upset or traumatized by our exposure to patients. Through understanding the process, EMS workers can alleviate additional, subsequent traumatic stress as well as increase the quality of care for victims. This presentation will cover the difference between PTSD, compassion fatigue, and burn-out, how trauma places special demands on trauma workers and its effect on compassion fatigue, and how to identify and help others suffering from compassion fatigue. *CME Code: 234H*

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

King's Garden 1

Catherine Gibbs

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 may make 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. Community education helps to provide peace of mind when an emergency situation arises. Participants typically respond with little to no hesitation as they have been exposed to the imperative steps needed to save a life. *CME Code: 234A*

From Transports to Triage: Applying Ethics to EMS

King's Garden 2

Mike Komarovsky

As prehospital medical providers, we often overlook ethics, viewing it as a field that belongs only in doctors' offices long after we've transferred care, but ethical issues surround every decision we make as providers. This presentation explores often ignored bioethical concepts in prehospital emergency medicine like the provider-patient relationship, triage considerations, and medical decision-making capacity. First, we will discuss some basic bioethical principles. Next, we will use those principles to uncover and discuss solutions to dilemmas that we face as prehospital healthcare providers. Finally, we will examine case studies to build upon and solidify the ideas we discussed earlier and demonstrate how those ideas can be applied to situations we see on our campuses every single day. *CME Code: 234B*

It's Happening on Your Campus: EMS Response to Sexual Assault

King's Garden 3

Jessica Duggan and Hannah Vigran

Many of us know that sexual assault is prevalent on college campuses, but what can we as EMS organizations do to address and respond to these situations? It is especially important for collegiate agencies to be prepared to treat these types of patients. Calls involving sexual assault victims require specific considerations and treatment different from typical EMS calls. Current protocols are not necessarily equipped to handle these types of emergencies. In our presentation, we will address the prevalence of sexual assault and what we as EMTs can do when responding. We will first discuss the definition of sexual assault and the demographic groups affected. We will next provide strategies for scene management, history taking, and how to treat physical injuries while being mindful of the patient's recent psychological trauma. These skills will then be applied to a case study patient. We will also provide a summary of national resources that work with sexual assault victims and encourage providers to become aware of their university and local services. *CME Code: 234C*

K2, Spice & Everything Nice: How to Identify Patients on Designer Drugs

King's Garden 4

Kathryn Marcon

Although most of the 70,000 deaths associated with illicit drug use each year are due to a few popular substances, there are several less common ingredients playing an increasing role. Synthetic cannabinoids, PCP, Ketamine, and designer drugs are becoming more popular on the streets, leading to large numbers of overdoses across the US over the past year. Despite DEA and local crackdowns, synthetic cannabinoids and other drugs have continued to invade cities, college campuses, and even suburban America. Learn how to identify signs and symptoms of synthetic cannabinoid, PCP, and Ketamine intoxication, as well as

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the physiologic impact on your patients. Discover warning signs for unpredictable behavior and potential decompensation, as well as how to identify patients who have been the victim of laced drugs. *CME Code: 234D*

On the Basis of Gender: A look at Women in EMS

King's Garden 5

Jamie Johar

Women have gained a lot of respect in EMS since the first woman set foot on a firetruck in the 1950s. Unfortunately, EMS is still a largely male dominated field, and very few organizations have an even male and female distribution. In this lecture, we will take an in-depth look at the current gender climate of EMS, why this gender disparity needs to be addressed, and how you can address it within your own organization. This lecture will have helpful tips to mitigate conscious and unconscious gender biases in your organization and in the field, as well as how to encourage the women of your team and your campus to both go out for your team, stay active in the organization, and move up into leadership positions. *CME Code: 234E*

Regional Roundtable Discussions

Grand Ballroom 1

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. *CME Code: 234G*

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 33.

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

H2-Ow!

Grand Ballroom 3

Benjamin Abo, DO, EMT-P, FAWM

Almost 75% of world is covered by water. No matter your latitude, activities happen on or near water. Prepare to see what happens when some people's luck simply runs out as we disrupt natural selection in and near water, and others learn that denial is not just a river in Egypt. *CME Code: 235P*

Masters of Disguise: The Acutely Altered Patient

Grand Ballroom 4

Kathryn Marquis, RN, CEN

It's 2AM, and you're called out for a patient who's slurring their words and stumbling around campus. Could it be alcohol intoxication? Sure. But it could also be something more sinister. Altered mental status is a common chief complaint within emergency medicine, with many potential etiologies, such as neurological, respiratory, metabolic and psychiatric in nature. Put on your best turtle outfit and explore these etiologies at the Masters of Disguise lecture. *CME Code: 235Q*

EMS and Public Health

Commonwealth 1

Gabe Gan, MPH, NREMT, CPHQ

EMS agencies are uniquely positioned to prevent disease and promote health. In this lecture, we will review basic foundations of public health science, discuss the role of EMS in public health, and highlight opportunities for EMS services in engaging communities around health and safety. *CME Code: 235O*

Creating a Protocol for Intoxicated Patients: A DIY Adventure *Commonwealth 2*

Thomas Goode, MS, NREMT and Michael Hilton, MD, MPH

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. *CME Code: 235N*

Volunteer to Paid - The Journey

King's Garden 1

Michael Overmyer

Have you ever thought about going from a volunteer to a paid agency? This lecture explains the process Arizona State University went through to transform from an all-volunteer organization to a paid department

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within the University. The key areas that need to be addressed when deciding if your agency wants to become a paid department will also be highlighted. There are many aspects that need to be accounted for, such as payroll, operating expenses, scheduling, and overhead. The challenges that ASU went through during this process will be explored and broken down. The pros and cons of volunteering vs paid will be examined. Participants who attend this lecture will get an overview and layout on the first steps in transforming from volunteer to paid. *CME Code: 235T*

Russian Roulette - The American Way

King's Garden 2

Chris Ebright

Parents don't know that inhalants - cheap, legal and accessible products, are as popular as marijuana. Even fewer know the deadly effects the poisons in these products have on the brain and body when they are inhaled or "huffed." It's like playing Russian Roulette - the user can die the 1st, 10th or 100th time a product is misused. This presentation will explain the pathophysiology of various gases, nitrites, volatile substances and other information you need to know about this deadly underground problem affecting teens and pre-teens. *CME Code: 235R*

Suicide and Other Psychiatric Emergencies on Campus

King's Garden 3

Ari Rabkin, PhD

High profile incidents involving suicide and psychiatric emergencies at colleges across North America have heightened the concerns of mental health issues among college students. As the first responders on many college campuses, collegiate EMS squads are often called on to deal with the dual nature of psychiatric emergencies-their first concern being the safety and health of the patient; and the second concern being the effect of suicide attempts on EMS providers, especially when patients may be personally known or otherwise familiar (i.e. "he's in my organic chemistry lab section") to EMS students. The purpose of this presentation will be to review the research surrounding psychiatric emergencies on campus; discuss various suicide prevention programs on campus; and provide practical tips both for dealing with immediate nature of psychiatric emergencies and the aftermath of suicide attempts on collegiate first responders. *CME Code: 235S*

Cardiac Trauma: When What You Need Beating Takes a Beating *King's Garden 4*

Chris Wend, NRP, FP-C

Major trauma to the heart can cause detrimental, and often fatal, effects. While not normally taught in EMS curricula, cardiac trauma can present clinically in a wide range of ways, from simple arrhythmias to sudden cardiac arrest. In this presentation, we'll go through the types of blunt cardiac injuries, and possible basic and advanced treatments of these injuries in the field. *CME Code: 235L*

When Lightning Strikes

King's Garden 5

Jeffrey Nusbaum, MD

Whether it be a protest or an intramural sporting event, college campuses host hundreds of outdoor events a year, most occurring rain or shine. As such, EMS providers must be ready to tackle any environmental emergency. Using a recent case of a soccer player struck by lightning a few blocks from CMU as a case study, we will discuss the pre-hospital approach and management of lightning injuries. During the second half of the talk, we will expand more broadly to cover other, more common, electrical injuries. *CME Code: 235U*

The Weight of it All: Surviving Vicarious Trauma

Sterlings 2/3

James Dlutowski, NRP

EMS providers are constantly tasked with bearing the weight of everyone else's trauma, sorrow and grief. Even the moments that seem routine and mundane have a cumulative effect on your mental, emotional and spiritual health. It is important to note that no single person is immune to the effects of vicarious trauma. In this session we review ways to recognize, identify and manage vicarious trauma. *CME Code: 235Z*

Roundtable: Administrative Challenges in Collegiate EMS

Benedum

Raymond Lovell and Shawn Miner

Collegiate EMS agencies face the unique challenge of being composed of staff whose number one priority isn't (or at least shouldn't be) EMS operations. Similarly, and as a result, they also need to function well despite rapid turnover. This roundtable discussion will focus on various administrative challenges such as scheduling, personnel, and training and will address ways we have tackled them and strive to improve our agencies. *CME Code: 235K*

Skills Lab: Combat Zone Simulation

Sterlings 1

Mini-Bushmaster at the NCEMSF Conference!

CME Code: 235M

American Heart Association Training Center Faculty Course

King's Terrace

AHA train the trainer/instructor course. Pre-registration required and additional fee applies.

CME Code: 235J

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Poster Session Walk Rounds

Ballroom Foyer

Nicholas MG Friedman, Editor-in-Chief, Journal of Collegiate EMS, Moderator

Walk through the poster displays and listen as authors discuss their original campus EMS research and unique campus programs. Ask questions of the authors as they stand by their work. 2019 Posters:

1. Thomas Martin - Brown EMS - No IV, No Problem: A Cross-Sectional Analysis of Pre-hospital Antiemetic Therapy
2. Daniel Armstrong - Queensborough Community College - Do EMT Students Enrolled Through a College Course Perform Better in Terms of Course Completion and Exam Success?
3. Elizabeth DeTienne - MIT EMT - SIREN: Schema In-Fill Rendered from Entry Notification
4. Maya Ganeshan - Penn MERT - Integrating Continuing Education Credits with Collegiate EMS Training
5. David Gordon - Penn MERT - Macro-Optimized Scheduling Solutions to Shift Placement
6. Herman Cade - Tulane EMS - Free of Charge: Analysis of an Urban Collegiate EMS Agency
7. Truelian Lee - Crimson EMS - Reducing Barriers to Bystander Intervention: Piloting a Winter Session Program

Tour of Pittsburgh River Rescue

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 which 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. Sign up required and limited to 25 participants like all NCEMSF Skills Labs (see page 9 for sign-up details).

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

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

Grand Ballroom 3

Douglas Hexel

What happens when someone falls while on rope and their belay device functions PROPERLY? How long can they remain suspended after a fall? This presentation focuses on injuries that may occur from falls and suspension while still attached to rope. By assessing the kinematics of trauma; including the fall distance, harness type, attachment point, and hardware factors; determine likely injuries and extraction strategies as well as manage potentially lethal effects of prolonged suspension. *CME Code: 236D*

A Working Diagnosis from Afar: Mechanism of Injury Revisited

Grand Ballroom 4

Mark Forgues, MEd

Often, clues to injuries can be found by looking at the situation and evidence surrounding the patient. Although determining mechanism of injury can be controversial, it remains a valuable and useful tool in determining patient injuries. This program will review motor vehicle crashes, falls, penetrating wounds and other traumatic injuries to demonstrate what physical indications can and cannot be used in your diagnostic decision making. We will examine actual cases and presentations to test your thought process. Bent metal on a car does not necessarily mean a broken patient and a small wound can be lethal... *CME Code: 236E*

Public Access Naloxone

Commonwealth 1

Michael Kaduce, MSP, NRP

Can anyone walk in to a pharmacy and receive naloxone? Should naloxone be as readily available as automated external defibrillators? Should law enforcement and first responders administer naloxone? After administering naloxone isn't the patient going to become aggressive and violent? Can EMS sign refusals on patients following naloxone administration? Is public access naloxone a temporary fix for a bigger problem or a real solution to this epidemic? These are just some of the current dilemmas facing EMS providers who are on the front lines in the fight against opioid abuse. By asking controversial questions and diving head first into the data, the impacts of public access naloxone can be evaluated. *CME Code: 236N*

What EMS Leaders Can Learn From

Commonwealth 2

The Six Boldest Presidential Decisions Ever Made

Douglas Wolfberg, JD

EMS leaders - or those who aspire to be - can draw inspiration from many sources, but few examples of leadership can rival that displayed by American Presidents over our nation's history. Using some of our nation's most trying and difficult presidential decisions as a backdrop, this session will translate those challenges into real-world leadership issues that confront EMS agencies of all shapes and sizes. This entertaining and informative session will inspire the EMS leaders of today - and tomorrow. *CME Code: 236O*

Avengers Assemble! Perspective on Collegiate EMS Leadership

King's Garden 1

J. Dominic Singh, NRP, I/C

Collegiate EMS has a challenge unique to its setting: the turnover of your most experienced members at set intervals. Student leadership is left with a relatively short period of time to vet, train, and integrate new

Conference Schedule - Saturday, February 23, 2019

members. Standards are necessary, but how do you identify someone's strengths? And once identified how do you develop that member into the best technician they can be? Join on a walk through the superhero universe for answers that can be applied to the real-world heroes in your membership. *CME Code: 236F*

Gatekeepers to the Mindset of Mental Wellness

King's Garden 2

Amy Eisenhauer

PTSD and suicide awareness among EMS providers increases by the day, but many providers are stuck in the 'Paramedics don't cry,' mindset. Where did new EMS providers learn they must be unbreakable bastions standing against anything that comes their way? As the entry point to the profession for most providers, educators must acknowledge the difficulties related to caring for others, provide them with tools for mental wellness, and give them permission to be resilient and experience human emotions. Components of the larger picture such as fatigue, moral injury, and work place stress, will be addressed as well as tools to develop and maintain a mental wellness mindset. Common stressors for students and impending suicide indicators will also be discussed. *CME Code: 236J*

Overdosing on Overdoses: I Hate 'Junkies' and You Should Too. *King's Garden 3*

John Ryan, NRP

We all know how to manage an overdose, but what about after? EMS serves as the first contact for many whom are afflicted by addiction. The United States is in the midst of what the NIH dubs the 'Opioid Overdose Crisis,' a true public health disaster. Although pre-hospital providers are trained to appropriately manage and treat the physiologic symptoms of our patients, what impact does it have on us as providers? Let's have a frank discussion on how we can continue to serve our patients when our colleagues so often refer to them as 'addicts' or 'junkies.' Question your view of those afflicted by addiction, and discuss how EMS cultural nuances can actually be long term perils to patient care. Be a patient advocate. Challenge yourself to be better. *CME Code: 236L*

Commotio Cordis

King's Garden 4

Jason Haag, CCEMT-P, CIC

Sudden Death on the athletic field. Learn what happens when an athlete takes a sudden blunt force to the chest at just the right time. Trauma can disrupt the cardiac electrical conduction system. This talk will review the causes, treatment, methods of preparedness and prevention. *CME Code: 236H*

Research Says...

King's Garden 5

Christian Martin-Gill, MD, MPH

How many times have you heard "a new research study says..."? As EMS matures as a medical subspecialty, more of what we do is being guided by scientific evidence showing what prehospital interventions provide the best outcomes for our patients. This session, prepared for the practicing EMS provider, will discuss what you need to know about how evidence-based medicine is changing prehospital care and how evidence-based guidelines impact the protocols you use daily. After this session, you will be able to see how prehospital research will impact what you do in the future, what research to pay the most attention to, and what you should be cautious about accepting. *CME Code: 236C*

Leading Through Mentorship:

Sterlings 2/3

A Collaborative Leadership Approach at College Age

Daniel Burke, NRP and James Weber

College is an exciting time! But leading a group of 18-22 year old peers in the execution of high-quality emergency medicine can be daunting. This session will take an interactive lecture view of how young leaders can utilize mentorship to develop a collaborative approach in leading their EMS organization. *CME Code: 236K*

Roundtable: From Awkward to Awesome-

Duquesne

Turning Difficult Dialogues into Exquisite Exchanges

Eric Garrison, MAEd, MSc

Have you ever resorted to an email or text, because a face-to-face interaction would feel too weird? Before a disciplinary action, do you talk to your crew to figure out what they did wrong above all else? Have you or a member of your crew dated and broken up (or perhaps are still happily dating!) and that has become an uncomfortable situation? Have you left a meeting with campus police or "the administration" feeling like less of a person? Finally, have you avoided any communication whatsoever (or micromanaged the communication), hoping that the problem would just resolve itself? If you answered yes to one of the above, Eric Garrison, an international speaker on healthy relationships, invites you to learn how to craft a more effective communication style. This inspirational program is useful for anyone in collegiate EMS, whether you are a leader (with or without a position), a follower, a mentor, or protégé. *CME Code: 236I*

Roundtable: Fundraising and Financing

Benedum

Matthew Ricci, MPA, David Afienko and Lucas Rappert, NCEMSF Regional Coordinators

For this roundtable discussion, NCEMSF Leadership will moderate a conversation addressing financing and budgeting for campus-based EMS, with a particular focus on fundraising opportunities and strategies. *CME Code: 236A*

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Skills Lab: Prehospital Hocus Pocus - Ultrasound for EMS

Rivers

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

Ultrasound technology has improved to the point where it is becoming increasingly more affordable and portable. Several EMS systems have implemented ultrasound to assess for organ injury, pneumothorax, and other clinical conditions. Demonstrate key ultrasonographic findings on volunteer patients and understand how ultrasound might fit into your prehospital system of care. *CME Code: 236M*

Skills Lab: Combat Zone Simulation

Sterlings 1

Mini-Bushmaster at the NCEMSF Conference!

CME Code: 236G

American Heart Assoc. Training Center Faculty Course Part 2

King's Terrace

CME Code: 236B

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*

Gnarly Injuries and Broken Bones

Grand Ballroom 3

Christian Martin-Gill, MD, MPH

This session will review cases of patients who experienced severe or unusual injuries. We will discuss the prehospital approach to these situations and key points to focus on in the field to stabilize the injured area. We will also review x-rays and other imaging to see what injuries were sustained, as well as follow up on how complex injuries were treated or repaired in the hospital. *CME Code: 237G*

When Once In A Lifetime Calls Become More Common...

Grand Ballroom 4

Benjamin Abo, DO, EMT-P, FAWM

It seems like more and more "once in a lifetime" calls seem to be making their way off overly dramatic TV shows and into real life. Learn first hand learning experiences from a proverbial "fecal magnet" in EMS including building and bridge collapses on college campuses, off-shore mass casualties, field amputations and more. Your jaw WILL drop. *CME Code: 237L*

Which Way is the Right Way for the Airway?

Commonwealth 1

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

Providers have many airway management tools at their disposal. Recent studies have focused on the role of extraglottic airways in the setting of out of hospital cardiac arrest. Are there proven advantages to the use of the King / iGel / supraglottic airway? How has the bag valve mask withstood the test of time? Engage in some literature review and case based discussion about the use of these airway adjuncts. *CME Code: 237M*

Adult Trauma Assessment:

Commonwealth 2

A Systematic Approach to Patient Evaluation

Walt Stoy, PhD, EMT-P

This class is designed for EMS providers seeking to explore methods of performing patient assessment on adult trauma patients. A review of the essentials from scene size up through on-going assessments shall be covered. The goal is to blend the various nomenclatures from past and present to assure the participants gain insight on what other EMS providers might be speaking about with trauma assessment. Walt will share information and demonstrate with the assistance of participants of how to think about evaluation of adult trauma patients. From scene size up, primary assessment, secondary assessment and on-going assessment of patients presenting with traumatic injuries, this session shall speak to matters that affect every provider presented with these types of patient scenarios. This gathering is an opportunity to review situations and gain knowledge and skills on how to approach future adult patient who present with trauma. No power point, just talking, showing and sharing about patients that need to be assessed. *CME Code: 237C*

Followership: Leadership in Disguise

King's Garden 1

Mark Forgues, MEd

Followership is an integral part of Crew Resource Management (CRM). We are recognizing that there is science and experience to promote good followership. This is an active, dynamic role, not a passive one. This theory has been around for many years, but has been slow to catch on in EMS. We will explore the followership concept as part of CRM and validate its usefulness in EMS especially focusing on the goals of the team, not the leader. Additionally, we will give examples of appropriate communication and responsibilities of both the leader and follower to work towards a common goal. *CME Code: 237F*

Scene Safety, Leadership & Communication - It's All Connected

King's Garden 2

Daniel Maas, CEM

Patient care skills take up most of our training time with little emphasis given to topics like scene safety, leadership, and communication. But we must connect and master those topics if we plan to protect ourselves

Conference Schedule - Saturday, February 23, 2019

and ensure positive patient outcomes. Come learn some skills and behaviors that can improve your ability to keep your crew safe and provide better patient care. You'll learn Dan's rules for scene safety and incident management and see a variety of unique hazards and situations that are found on college campuses. *CME Code: 237J*

To Err...Patient Safety in EMS

King's Garden 3

Dylan Morris, MD

Mistakes happen. Systems can promote or defend against errors, human factors can contribute to or mitigate safety lapses and cultural norms can conceal wrong or foster a learning environment. Learn the basics of patient safety and how your organization can help lead a culture change in EMS for patient safety! *CME Code: 237K*

CPR Superheroes Assemble!

King's Garden 4

Overcoming the Barriers of Bystander Initiated CPR

Richard Shok, RN, NRP

The Problem: Bystander CPR is initiated in only 28.6% of cases of out of hospital cardiac arrest despite the fact that victims only have a short window of time to survive this event. Victims depend on the prompt delivery of CPR, defibrillation, and Advanced Life Support. Women and minorities receive bystander initiated CPR at much lower rates than males and white victims of cardiac arrest. Beyond this, bystanders, including ones that have received CPR training, fail to act in situations requiring CPR due to various fears - including that they may hurt the victim. The Solution: Understanding and overcoming the obstacles to bystander initiated CPR through approachable public education. Code One Training Solutions is an AHA Training Center that has approached the barriers to bystander initiated CPR in a very unique way. They recruit CPR Superheroes and empower them with the knowledge and skills to save a life. *CME Code: 237E*

Penetrating Trauma - A Primer

King's Garden 5

Adam Fox, DO, FACS

While the basic approach to all trauma patients should be similar, the patient presenting with penetrating trauma may pose different challenges than those with blunt trauma. This presentation will provide the audience with a basic understanding of penetrating injuries and how they can approach these patients in the pre-hospital setting. *CME Code: 237B*

You Took What? Recognizing Toxidromes

Sterlings 2/3

Joseph M. Grover, MD, NCEMSF Startup Coordinator

Unfortunately, drug ingestions remain a common complaint for collegiate EMS agencies. Little time is spent in most EMT-B courses describing the different toxidromes. The purpose of this lecture will be to break down common toxidromes to give providers a better understanding of how to recognize and treat common drug ingestions. *CME Code: 237N*

Roundtable: Innovative Training Strategies and Debriefing

Duquesne

Joseph Lalor

This hybrid lecture and discussion was given to all skills evaluators and young educators at Stony Brook Volunteer Ambulance Corps (SBVAC) beginning in the Fall of 2014. Its implementation has allowed the corps to innovate its specific style of EMS education. This lecture will help guide collegiate EMS leaders to develop evidence based training practices at their agencies. Derived from the advocacy and inquiry model of debriefing, this Q&A style discussion will engage attendees to challenge their preconceived notions on what education and debriefing means to them in collegiate EMS. From probie to field training officer, this lecture will help provide a framework to adequately debrief anything from simple training cases to the call-gone-awry. *CME Code: 237H*

Roundtable: Engaging Your Alumni Network

Benedum

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

This discussion will focus on sharing ideas to lay the foundation for and build an alumni organization after graduation. Keeping collegiate EMS members in touch far beyond the graduation date is just as important for the group as building the EMS organization in itself. Be prepared to share ideas, generate suggestions and learn from other alumni in what works and what doesn't when it comes to laying the groundwork for a successful alumni group. *CME Code: 237A*

Skills Lab: Presenting and Visualizing EMS Data

Rivers

Gabe Gan, MPH, NREMT, CPHQ, NCEMSF Southeast Regional Coordinator

Data is central to the operational, business, and public health functions of EMS. Campus EMS squads are frequently asked to present statistics and data from their operations to university and local officials, but often are limited in the tools and training they have to do so. This workshop will provide an introduction to creating effective visuals to present and explore EMS data. Using a powerful data visualization software called Tableau, we will use a sample data set to walk through relevant applications. *Please bring a laptop computer to this workshop with Tableau downloaded and installed. Tableau is free for students! *CME Code: 237I*

Conference Schedule - Saturday, February 23, 2019

Skills Lab: Combat Zone Simulation
Mini-Bushmaster at the NCEMSF Conference!
CME Code: 237D

Sterlings 1

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

5 Questions of Conscience and Other Musings on Patient Care and Leadership
Adam Fox, DO, FACS

Reasons for joining a college EMS squad are many. These squads provide a student with unique opportunities to not only practice medicine but also grow in responsibility - both in healthcare as well as in leadership. Utilizing principles espoused by Dr Pryor, this lecture will introduce the participants to a global approach to patient care as well as to general principles of leadership. *CME Code: 238A*

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 by the Sudden Cardiac Arrest Association (SCAA).

Richard W. Vomacka Student Speaker Competition
Collegiate EMS Research Award
Collegiate EMS Week Celebration of the Year
Collegiate EMS Video of the Year
Collegiate EMS Web Site of the Year
Collegiate EMS Advisor of the Year
Collegiate EMS Provider of the Year
Collegiate EMS Organization of the Year
George J. Koenig, Jr. DO NCEMSF Service Award

7:00 pm - 8:30 pm *Alumni Mixer and Networking Event* *Commonwealth 2*

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 33 or consult the Hotel Concierge.

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

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

*Ballroom 2 &
King's Garden 4/5*

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

Hop in the photo booth and create memorable souvenirs of you and your collegiate EMS friends from across the country. Join the rest of your fellow collegiate EMS providers and "gamble", dance and sing the night away with our live DJs. Try your hand at beating the NCEMSF house at your favorite casino games including Black Jack, Poker, Craps, Roulette, etc... Great prizes are available including a plethora of EMS supplies. No worries, there is no penalty for losing and no real money will be exchanged. Play risk free! At the end of the evening, cash your chips out for a chance at winning big. The casino will close at 1:00 am, but the music, by DJ Ju Lee, will continue until 2:00 am, and the room will remain open for an additional while as a place to congregate without disturbing other hotel guests. Please utilize this space. Light refreshments will be served.

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

Schools in Attendance

*At the time of publication, the following 104 universities (1,116 + delegates) had registered:
(information below is from the NCEMSF Database, please see your RC to update your profile)*

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
Albion College	2	MI	Midwest	Startup	
Arizona State University	5	AZ	Central	BLS	QRS
Bard College	12	NY	New York	BLS	QRS
Binghamton University	28	NY	New York	ALS	Ambulance Transport
Boston College	8	MA	Massachusetts	BLS	QRS
Brandeis University	15	MA	Massachusetts	BLS	QRS
Brown University	7	RI	Northeast	ALS	Ambulance Transport
Carnegie Mellon University	16	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	24	OH	Midwest	BLS	Transport
Christiansburg Rescue Squad	3	VA	Mid Atlantic	ALS	Ambulance Transport
Clark University	11	MA	Massachusetts	FR	QRS
Clarkson University	7	NY	New York	BLS	QRS
College of Charleston	6	SC	Southeast	ILS	Ambulance Transport
Columbia University	16	NY	New York	BLS	Ambulance Transport
Cornell University	10	NY	New York	BLS	QRS
Daemen College	8	NY	New York	BLS	
Drexel University	19	PA	Pennsylvania	BLS	QRS
Duke University	11	NC	Southeast	BLS	QRS
Eckerd College	12	FL	Southeast	FR	QRS
Embry-Riddle Aeronautical University	6	FL	Southeast	BLS	QRS
Emmanuel College	12	MA	Massachusetts	FR	QRS
Emory University	3	GA	Southeast	ILS	QRS
Fordham University	15	NY	New York	BLS	Ambulance Transport
Franklin and Marshall College	1	PA	Pennsylvania	BLS	QRS
Georgetown University	26	DC	Mid Atlantic	BLS	Ambulance Transport
Gettysburg College	8	PA	Pennsylvania	EDU	Education
Harvard University	10	MA	Massachusetts	BLS	QRS
Hobart and William Smith Colleges	3	NY	New York	BLS	QRS
John Carroll University	9	OH	Midwest	BLS	QRS
Johns Hopkins University	7	MD	Mid Atlantic	BLS	QRS
Lafayette College	5	PA	Pennsylvania	Startup	
Loyola Marymount University	10	CA	West	BLS	QRS
Macalester College	4	MN	North Central	BLS	QRS
Massachusetts Institute of Technology	15	MA	Massachusetts	BLS	Ambulance Transport
Massachusetts Maritime Academy	2	MA	Massachusetts	BLS	Ambulance Transport
Muhlenberg College	10	PA	Pennsylvania	BLS	QRS
Northeastern University	6	MA	Massachusetts	Startup	
Norwich University	8	VT	Northern New England	BLS	Non-Emergent Transport
Oakland University	2	MI	Midwest	Startup	
Pennsylvania State University	3	PA	Pennsylvania	BLS	Ambulance Transport
Radford University	8	VA	Mid-Atlantic	BLS	QRS
Rensselaer Polytechnic Institute	12	NY	New York	BLS	Ambulance Transport
Rice University	5	TX	Central	ILS	QRS
Rochester Institute of Technology	19	NY	New York	BLS	Ambulance Transport
Rowan University	12	NJ	Northeast	BLS	Ambulance Transport
Saint Anselm College	9	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
Skidmore College	18	NY	New York	BLS	QRS
St. Lawrence University	5	NY	New York	BLS	QRS
Stockton University	5	NJ	Northeast	BLS	QRS
SUNY Canton	7	NY	New York	BLS	QRS

Schools in Attendance (Continued)

<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-Type</u>
SUNY College at Cortland	10	NY	New York	BLS	QRS
SUNY Geneseo	7	NY	New York	BLS	QRS
SUNY Oneonta	11	NY	New York	BLS	QRS
SUNY Oswego	12	NY	New York	BLS	Ambulance Transport
SUNY Stony Brook	16	NY	New York	ALS	Ambulance Transport
Syracuse University	7	NY	New York	BLS	Ambulance Transport
Temple University	6	PA	Pennsylvania	BLS	QRS
Texas A&M University	11	TX	Central	ALS	Ambulance Transport
The College of New Jersey	3	NJ	Northeast	BLS	QRS
The George Washington University	30	DC	Mid Atlantic	BLS	Ambulance Transport
Tufts University	10	MA	Massachusetts	BLS	Non-Emergent Transport
Tulane University	12	LA	Central	BLS	Ambulance Transport
United States Merchant Marine Acad	7	NY	New York	BLS	Ambulance Transport
University of Albany	12	NY	New York	BLS	Ambulance Transport
University of Arizona	5	AZ	Central	BLS	QRS
University of California-Davis	8	CA	West	BLS	QRS
University of California-Irvine	3	CA	West	Startup	
University of California-Los Angeles	4	CA	West	BLS	Ambulance Transport
University of Chicago	6	IL	North Central	FR	Event Standby
University of Dayton	11	OH	Midwest	BLS	Ambulance Transport
University of Delaware	22	DE	Mid Atlantic	BLS	Ambulance Transport
University of Florida	19	FL	Southeast	BLS	QRS
University of Guelph	21	ON	Canada	BLS	QRS
University of Il. at Urbana-Champaign	16	IL	North Central	BLS	Event Standby
University of Iowa	4	IA	North Central	EDU	Education
University of Maryland	1	MD	Mid-Atlantic	BLS	Event Standby
University of Massachusetts Amherst	22	MA	Massachusetts	BLS	Event Standby
University of Massachusetts Lowell	13	MA	Massachusetts	BLS	QRS
University of New England	7	ME	Northern New England	BLS	QRS
University of Ottawa	8	ON	Canada	FR	QRS
University of Pennsylvania	15	PA	Pennsylvania	BLS	QRS
University of Pittsburgh	40	PA	Pennsylvania	EDU	Event Standby
University of Rhode Island	10	RI	Northeast	BLS	Ambulance Transport
University of Richmond	8	VA	Mid Atlantic	BLS	QRS
University of Rochester	12	NY	New York	BLS	QRS
University of San Francisco	4	CA	California	BLS	QRS
University of Southern California	13	CA	West	BLS	QRS
University of Tampa	5	FL	Southeast	FR	
University of Vermont	8	VT	Northern New England	ALS	Ambulance Transport
University of Western Ontario	4	ON	Canada	FR	QRS
Utica College	5	NY	New York	BLS	QRS
Vassar College	10	NY	New York	BLS	Non-Emergent Transport
Vermont Technical College	6	VT	Northern New England	BLS	QRS
Villanova University	10	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Polytechnic Institute	17	VA	Mid Atlantic	ALS	Ambulance Transport
Wake Forest University	20	NC	Southeast	BLS	QRS
Washington University - St. Louis	8	MO	Central	BLS	QRS
West Chester University of PA	6	PA	Pennsylvania	BLS	QRS
Western Carolina University	4	NC	Southeast	BLS	Ambulance Transport
Worcester Polytechnic Institute	6	MA	Massachusetts	FR	QRS
Yale University	4	CT	Northeast	BLS	Event Standby

Conference Schedule - Sunday, February 24, 2019

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

Ballroom Foyer

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

Murder! Responding to Traumatic & Unusual Events on Campus *Grand Ballroom 3*
Blake Topper and Samuel Engel

Fatal incidents can occur anywhere, at any time, on any campus. In April of 2018, a student was brutally stabbed to death in his dorm room on the campus of Binghamton University (NY). As collegiate emergency medical technicians, we seldom receive training that prepares us to respond to an incident of this nature and magnitude. So, what do you do? How do you respond, react, recover? This lecture will review our response to this call, the injuries encountered and how we managed them, and how we dealt with the aftermath, both as an agency and as a community. This lecture will also seek to explore the best practices for debriefing and providing mental health services to leaders and members of your agency following such a traumatic call. *CME Code: 241F*

Sharks! Jellyfish! And Waves! Oh my!

Grand Ballroom 4

Stephen Baumgarten, MPA, MAT

What happens when fun in the sun turns into a trip to the emergency room? Waves crashed the party with a broken neck? Jaws makes a reprise to take a bite out of your beach day? Those pesky jellyfish just won't stop partying in your pineapple under the sea? What should you be thinking about when you're responding to this call? In 2017 over 385 million people attended the beach and it resulted in over 77,000 rescues, over 550,000 medical aides, and 148 fatalities. What is often a day of family fun can quickly turn into a tragedy. We'll examine some case studies to learn what the best practices are when responding to a call on the beach. *CME Code: 241I*

Veterinary Emergencies: A Basic Guide for EMS Personnel

Commonwealth 1

Jacqueline Cavendish and Kellyn McNulty, DVM

Explore the basics of veterinary emergencies. We will review the evaluation of dogs and cats and key clinical indicators of patient instability. We will explore common emergencies such as car accidents, smoke inhalation, heatstroke, and penetrating trauma. Additionally, we will discuss opioid overdoses and marijuana ingestion in dogs. Part of our discussion will include a review of basic emergency procedures such as oxygen administration, CPR, IV placement, and intubation in dogs and cats. *CME Code: 241K*

Who Should Go First? Medical Ethics and Disaster Triage

Commonwealth 2

Avi Dobrusin

You are the first EMT on the scene of a bus crash and expertly triage 12 patients. The first ambulance arrives and can take 2 patients. Which of the 3 red-tagged patients should go first? The doctor? The pregnant patient? The child? Triage patients during an MCI is one of the most distressing and challenging tasks in EMS. Providers are expected to objectively and accurately sort patients utilizing rarely-used algorithms in the midst of a chaotic scene. In reality though, triage algorithms come up short in many situations, leaving providers with the difficult decision of determining who should be treated or transported first. During this session, we will explore the various ethical situations that may present themselves during triage and how they may be addressed. The goal of this session is to begin a conversation that can be continued on your campuses and incorporated into your MCI planning and training. *CME Code: 241L*

National Registry: The Nation's EMS Certification

King's Garden 1

Donnie Woodyard, MA, NRP

National Registry of Emergency Medical Technicians staff will discuss National Certification, including the benefits of certification, the certification process and test development. Additionally, we'll tell you what's new at the National Registry and you'll learn about any important changes to policies and procedures. Following the formal presentation, you'll have the opportunity to share your reactions and viewpoints. *CME Code: 241G*

EMS Planning for Mass Gatherings

King's Garden 2

Michael Overmyer

There are many different types of mass gatherings that can occur on college campuses. Some are preplanned concerts and festivals. Some are not planned such as riots and protests. It is important for EMS to plan and train for both types of scenarios. This lecture will cover the basics of how to plan for both types of events and with what types of resources you should coordinate. We will also ask the question of when should EMS be required to be at an event? Who has the authority to answer that question? We will demonstrate a risk assessment tool used when reviewing a special event. *CME Code: 241D*

Horses and Zebras:

King's Garden 4

Separating Rare from Common Conditions in EMS

Adam Elwood and Mark Tamarin

A 'zebra' is a surprising and rare diagnosis that is much less likely than the actual cause of a patient's symptoms. Often in EMS we read about rare, life-threatening disorders and try to fit our patients to these

Conference Schedule - Sunday, February 24, 2019

syndromes. However, the vast majority of patients don't have these conditions and we have to acknowledge that they more likely have an ordinary diagnosis. EMS is a balance between knowing the common diagnoses while still being wary of the dangers beneath. Join us for a collaborative session working through case studies and the medicine behind the diagnosis. Remember, when you hear hoofbeats, think horses, not zebras. *CME Code: 241E*

Resuscitate the Dying Art of the Physical Exam

King's Garden 5

Jeffrey Rabinowitz

In the field, most EMS providers don't have the luxury of imaging and lab tests. Instead, we rely on our ears, eyes, and hands. You already know the basics, but an in-depth understanding of physical exam findings and maneuvers can narrow down what is wrong with your patient. This presentation will focus on evidence-based physical exam findings and tests that are most relevant to care and transport decisions in the prehospital environment. *CME Code: 241H*

Roundtable: Startup

Duquesne

Joseph M. Grover, MD, NCEMSF Startup Coordinator

Daniel McConnell, NCEMSF Asst. Startup Coordinator

This roundtable discussion will be devoted specifically to aiding new startups in applying all that they learned at this year's conference and helping them determine the next steps in furthering their organizations as they prepare to return to their campuses. *CME Code: 241B*

Roundtable: Administrator/Advisor/Medical Director

Benedum

Michael S. Wiederhold, MD, MPH, NCEMSF Treasurer

In this roundtable dedicated to campus administrators, EMS advisors and medical directors present will again meet formally with NCEMSF Leadership to discuss concerns of university officials and address issues that they may be facing on their campuses. This session is limited to administrators, advisors and medical directors. *CME Code: 241C*

Collegiate Resuscitation Officer Program - Part 1

King's Terrace

Cardiac arrest often strikes seemingly healthy individuals without warning and without regard to age, gender, race, or health status. In this 4 part program, participants will explore the opportunities for implementing cardiac arrest guidelines, innovations and best practices in cardiac arrest systems of care. This immersive program, supported by the Citizen CPR Foundation features a diverse and experienced faculty roster and is designed to give attendees the information, insight and best practices to improve out-of-hospital cardiac arrest resuscitation outcomes in a collegiate setting.

Faculty: Kevin Seaman, MD, Richard Shok, RN, Mark Forgues, MEd, Anjali Misra, Kori Burz, and David Hiltz

Those attending all four program sessions will receive a certificate from the Citizen CPR Foundation and a Resuscitation Officer lapel pin. *CME Code: 241A*

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

Dispelling Myths and Upcoming Topics

Grand Ballroom 3

N. Alex Cutsumbis, NRP

This session will use the current research and evidence available to discuss dual sequence defibrillation, what is it? Does it work? Does a capillary blood sample "really" matter for BGL readings? Are tattoos an acceptable advanced directive in EMS? Does POCUS have a role in EMS? *CME Code: 242D*

The OG OD:

Grand Ballroom 4

Deadly Over-the-Counter and Prescription Overdoses

Zachary Matuzsan, DO

College campuses are full of drugs. While most of us immediately associate illicit substances when talking about drugs, there are plenty of over-the-counter and prescription medications that are readily available and equally (if not more) dangerous. Did you know that a Tylenol overdose can lead to a liver transplant? Or that too much aspirin can result in the need for dialysis? Is activated charcoal a thing of the past or should we still be giving it? In this lecture, we will discuss the symptoms, pathophysiology, and treatment of the most common overdoses that you'll encounter on a college campus. Come join for an entertaining hour of knowledge that you'll be able to use on your next shift! *CME Code: 242L*

Stats, stat!

Commonwealth 1

Leveraging Data to Improve Care, Operations, and Retention

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. However, solutions are possible with the aid of an untapped organizational resource: data. Agencies often possess an unrealized amount of information, from

Conference Schedule - Sunday, February 24, 2019

trends in patient care reports to commonalities among members. This iteration of 'Stats, stat!' broadens the analytic scope to examine how incorporating data analysis in quality improvement processes benefits patient care, clinical performance, and resource allocation. This presentation overviews basic statistical analysis which enables agency leaders to effectively recognize members struggling with clinical skills, identify members likely to leave an organization or applicants likely to join, and forecast call volumes to lend quantitative evidence to the anecdotal suspicion that "tonight will be a bad night." *CME Code: 242K*

Rescue and Resuscitation of a Drowning Victim

Commonwealth 2

Tommy Renner

Drowning takes the lives of an estimated 372,000 people each year, many of whom are children. Even more people suffer from the effects of non-fatal drownings. The good news is that all drownings are preventable. This presentation will look at drowning through an ocean lifeguard and public health perspective. Attendees will learn how improve the outcomes of drowning victims by understanding proven prevention, rescue and resuscitation techniques. TLDR; AHA recommends ABC over CAB for drowning victims. OXYGEN, OXYGEN, OXYGEN! *CME Code: 242J*

European vs American EMS: Two Approaches to the Delivery of High Quality Care

King's Garden 1

Jada Wang

Globally, the goal of EMS is the same: to provide effective and expedient care to those in need in order to prevent mortality and morbidity. The modern EMS system started in the battlefields to help the wounded soldiers; nowadays, EMS has grown so much that it plays a major role in the comprehensive health care system. Starting in the 1960s, two main models of EMS evolved – the Anglo-American and Franco-German model. Currently, virtually all EMS systems around the world vary from those two branches. In this session, the American "load and go" EMS philosophy is compared and contrasted with the European "stay and play" EMS philosophy. *CME Code: 242E*

Going Off-Campus: Emergency Medicine and Technology in International Disaster Response

King's Garden 2

Kyle Kotowick, PhD

This presentation touches on the entire process of international medical deployment, from becoming certified with the World Health Organization, to responding to the mission at a moment's notice, to demobilizing in a way that supports the local population. It will also discuss the key differences in providing care at home to providing it abroad, including improvisation with equipment, dealing with extremely vulnerable populations in foreign languages, and making difficult choices about not providing care to the same standard you're trained to. Other topics include: working with other NGOs/governments, integrating with local medical systems, and the personal toll that these deployments can take. *CME Code: 242F*

Pediatric CBRNE Disaster Preparedness and Response

King's Garden 3

Hendrik Bilek, RN

The NIH has placed pediatric CBRNE (chemical, biological, radiological, nuclear and explosive) disaster response as a priority to both pre-hospital and in hospital providers. These are the worst responses we as EMS professional will have to encounter in our career. We will talk about how pediatric patients are different than adult patient during these events and how this vulnerable population requires a unique response. Is this something that we even need to worry about as responders? Are we prepared as a nation or as an EMS system? Are you prepared as an EMS responder? *CME Code: 242I*

My Oh \$%!& Moments Two Years into ALS Care

King's Garden 4

Kerry McCans

This is a discussion based lecture of my most interesting or head scratching patient cases within the last two years. We will share missteps, anxieties, as well as triumphs experienced. Patient treatments and lessons learned through both blunders and successes will be shared and discussed. Come ready to offer insight, predict injury patterns and physiological processes, and suggest treatments. *CME Code: 242G*

Patient Tracking: Mass Gatherings to MCIs

King's Garden 5

Katherine Kemberling, NRP

New innovations in healthcare technology are quickly reshaping the way providers, administrators, and patients interact with one another. In the age of rapidly developing technologies for healthcare, availability and innovation for EMS can feel lacking. Fortunately, when it comes to patient tracking, there are technological options available for EMS systems to utilize. This session will give an overview of different patient tracking technologies along with the pros and cons of utilization. Previous events that occurred and utilized patient tracking technology will be examined to show how it simplified and streamlined the patient tracking process. *CME Code: 242H*

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Roundtable: Emergency Management & Disaster Preparedness *Duquesne*

Eric Pohl, NRP, NCEMSF Emergency Management Coordinator and

Ryan M. Hay, 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. *CME Code: 242C*

Skills Lab: Splinting Musculoskeletal Injuries in the Outdoors *Rivers*

Steve Lanwermyer

Carrying a pack, hiking long distances, climbing, and paddling can all cause unusable injuries such as fractures. NOLS Wilderness Medicine will introduce participants to treatment for common injuries and decision-making tools for managing these injuries in the outdoors. Attendees will get hands-on practice using common materials on-hand in the wilderness to splint and immobilize these injuries. *CME Code: 242B*

Collegiate Resuscitation Officer Program - Part 2

King's Terrace

CME Code: 242A

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

Can You Hear the Banjos? Lessons Learned in Rural EMS

Grand Ballroom 3

Blaise Loughman, CCEMTP

Your radios aren't working, the closest hospital is forty minutes away, and there are no units available to back you up...what seems like a nightmare scenario to some may be standard operating procedure for others. Many collegiate EMS agencies operate in urban environments with an abundance of resources, but what happens when that is stripped away? We will discuss some of the common problems and unique challenges that rural EMS agencies face, as well as potential solutions. Presented in a case-study based format, this lecture will serve as an opportunity to listen to (and share your own) "war stories", as well as open your mind to what EMS is like once you leave the concrete jungle. *CME Code: 243D*

The Crashing Asthmatic

Grand Ballroom 4

Evan Kuhl, MD

Asthma is a chronic inflammatory respiratory condition affecting 8% of the US population and although most patients can be managed with inhaled medications and steroids, certain patients are at risk for severe attacks requiring invasive therapies. This presentation will focus on the treatment and management of patients with near-fatal asthma. We will review the physiology of asthma and the mechanism of current therapies. The use of positive pressure ventilation, as well as capnography will be covered. Ketamine and delayed-sequence intubation will also be discussed, and ECMO will be introduced as a treatment for crashing asthmatics. This presentation is targeted for those interested in expanding their knowledge and comfort with critically ill patients and will introduce many ALS techniques and treatments for those unfamiliar. *CME Code: 243K*

Hit the 'Lyte: Case Studies in Electrolyte Imbalances

Commonwealth 1

Lucian Mirra, MEd, NRP

Using the lens of case studies, this session aims to review and discuss the presentations, causes and treatments of various electrolyte issues. This course will start with a brief overview of the most common electrolyte imbalances, reviewing the cardinal presentations and possible causes of each. Participants will then engage in several case studies where the examination and treatment of patients with electrolyte issues will be the primary goal. *CME Code: 243J*

Size Matters:

Commonwealth 2

Differentiating Large from Small Vessel Occlusion in Stroke

Kenneth Navarro, MD

Stroke is a nonspecific term that has come to mean a sudden interruption of blood flow to a portion of the brain resulting in loss of neurological function. On average, someone in the United States suffers a stroke every 45 seconds making it the fifth leading cause of death in this country. In this session, we will examine the latest advances in the pre-hospital management of stroke, including the use of mobile stroke units and the management of large vessel occlusion. *CME Code: 243I*

Healthcare Theater and the Future of EMS Simulations

King's Garden 1

C Lombardi, RN

The face of EMS education has been evolving for the past decade, with national level discussions about educational requirements and standards - the scene has been set for an overhaul of how we train new and experienced EMTs. EMS agencies across the country, especially collegiate companies, struggle to find continuing education methods that engage their personnel and make a measurable difference in provider performance and patient outcomes. At the University of Delaware we have partnered with the School of Nursing and the Theater Department to offer high fidelity one hour long scenarios with a video based debriefing to follow. This model has received national attention recently, including a site visit from Press

Conference Schedule - Sunday, February 24, 2019

Ganey and the Leapfrog Group. Each EMS scenario is one 911 call from dispatch to transport complete, utilizing live healthcare performers whenever possible to maintain the highest level of realism. Drawing from current literature in healthcare simulation, we aim to improve provider confidence, competence, and patient outcomes. This presentation strives to start a conversation about high fidelity EMS scenarios - ultimately providing attendees with the tools and information necessary to go back to their own department and implement a similar high fidelity training model. *CME Code: 243F*

Psychological First Aid

King's Garden 2

Steve Lanwermeier

In this presentation, learn to provide psychological first aid and respond with confidence when someone is in need of physical or emotional support. To complement existing medical skills, attendees will be introduced to structured tools for engaging with patients after an extremely stressful incident or during a mental health event: listening, assuring safety and basic needs are met, reducing stress, and helping patients engage with support groups. *CME Code: 243H*

"Is There a Medical Provider on Board?"

King's Garden 3

Medical Emergencies at 30,000 Ft

Adam Tobias, MD, MPH, FACEP

"Ladies and gentlemen: is there a doctor on board?" We will use recordings of real-life in-flight emergency consults to supplement a discussion of common and uncommon scenarios that medical providers may be challenged with during commercial airline travel. We will discuss the unique aspects of patient care in this austere environment, what supplies and resources are available, the medical challenges of taking care of patients at altitude, considerations for aircraft diversion, and how you can help. *CME Code: 243Y*

Pediatric Sepsis

King's Garden 4

Jason Haag, CCEMT-P, CIC

Sepsis in kids is an often-missed clinical presentation that can quickly manifest to a fatal complication. It is often thought that pediatric patients decompensate suddenly. Actually, we just do a bad job of catching subtle cues prior to decompensation. We will discuss ways to determine, early on, if a child is septic and identify ways to treat the patient aggressively before decompensated shock occurs. *CME Code: 243G*

Avalanche Safety, Search & Rescue Techniques and Technology *King's Garden 5*

Jared Ross, DO, FF/EMT-P

Avalanches kill more than 150 people worldwide each year, with about 30 of those deaths occurring in the United States. These numbers have nearly doubled from one decade ago. However, most of these deaths are preventable with proper preparation, training, and equipment. In this session, students will learn how avalanches occur and the risk factors for triggering an avalanche. We will discuss both preparation and response to an avalanche burial. We will also review classic tools as well as new technology used in avalanche safety. *CME Code: 243B*

Roundtable: Training

Duquesne

Zachary Matuzsan, DO, Tom Renner, and Gabe Gan, NCEMSF Regional Coordinators

For this roundtable discussion, NCEMSF Leadership will moderate conversations addressing training issues on college campuses. Discussion will revolve around building an EMS training program that is effective, long lasting, and influential. Learn from each other how to develop curriculum, train on-scene, and create a standardized training module. *CME Code: 243Z*

Skills Lab: All That Elevates isn't a STEMI

Rivers

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

BLS providers are an important link in the chain of cardiac survival. Increasingly, EMTs and first responders are tasked with recognizing time sensitive ECG changes. Dr. Lawner will host a 12 lead ECG workshop and review important indicators of ischemia. Learn about the subtleties of 12 lead ECG interpretation and understand when to pull the trigger on activation of a cardiac cath lab! *CME Code: 243C*

Collegiate Resuscitation Officer Program - Part 3

King's Terrace

CME Code: 243A

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

Heat and Cold Emergencies

Grand Ballroom 3

Jerry Escajeda, MD, FAEMS

In this lecture you will learn appropriate care for prehospital patients with heat and cold emergencies such as hypothermia, frostbite and heat stroke. *CME Code: 244G*

Approaching the Undifferentiated Shortness of Breath Patient *Grand Ballroom 4*

Jared Ross, DO

Shortness of breath or difficulty in breathing is one of the most common complaints that EMS is called for;

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however, it represents a wide array of medical conditions with vastly different treatment. This session will provide both new and experienced providers with tips to differentiate the etiologies of shortness of breath based on patient history, exam findings as well as exploring the use of pre-hospital ultrasound. We will review both mainstay and emerging treatment options for various conditions including asthma, COPD, congestive heart failure, pneumonia, and anaphylaxis. We will also cover less common causes for difficulty in breathing including pulmonary embolism, metabolic disorders, and pneumothorax. Providers will return back to their agencies with a better understanding of the disease processes behind the common EMS chief complaint of difficulty breathing and the knowledge of how to better manage and treat those patients. *CME Code: 244E*

North American Bites and Stings

Commonwealth 1

Steve Lanwermeyer

The presentation will acquaint you with the various critters with sharp, moving parts scattered throughout North America. We will dispel common myths, provide a reality check on beneficial treatment plans, and describe effective prevention for traveling in wild animal territory. Though few of these are mortal threats, none of them are fun! *CME Code: 244J*

Diabetes: The Highs and Lows

Commonwealth 2

Carrie Matuzsan

Think you know diabetes? What about type 1 vs. type 2? The symptoms of the highs versus the low? Come enjoy a review of the basic fundamentals that guide prehospital diabetes care and what signs to watch out for. Learn about diabetes technology including insulin pumps and continuous glucose monitors. See what is coming through the pipeline with new diabetes research and the artificial pancreas. By the end of this lecture, you'll be an expert! *CME Code: 244F*

Developing Students for the Future of Emergency Services

King's Garden 1

Mark Milliron, MS, MPA, MHS

Emergency services have been experiencing a decline in volunteerism and EMS and other emergency services have a workforce shortage that is leaving communities unable to meet the needs for response and protection. Pennsylvania is one state that has traditionally relied on volunteers. The number of volunteer firefighters in the state has declined from about 300,000 in the 1970s to about 38,000 in 2018. In just the past six years, from 2012 to the present, the number of EMTs has dropped by 6,000 and paramedics dropped by 4,000 in the state. The future of emergency services is in question and the state convened a commission through Senate Resolution 6 to study the problem in 2018. Among the recommendations made were consideration of how to engage the next generation in emergency services as volunteers and as a profession. This presentation will look at those recommendations pertaining to students and how they can be adopted to incentivize recruitment and retention, modernize emergency services, and stabilize emergency services in communities that are experiencing decline. *CME Code: 244Z*

Emergency Management: It's More Than Just ICS

King's Garden 2

Daniel Maas, CEM

Emergency Management is a year round activity that starts long before and continues long after an emergency response. NCEMSF has acknowledged the importance of coordinated emergency management programs through development of the EMS Ready Campus recognition program. This session will introduce you to the basic concepts of all-hazard emergency management. We will cover the four phases of emergency management, review some of the EM alphabet soup (such as THIRA, EOP, COOP, HSEEP, IMT, IAEM), and discuss examples of emergency management related activities for EMS squads. *CME Code: 244Y*

Inside The Journal of Collegiate EMS

King's Garden 3

Nicholas M.G. Friedman and Brittany Dangler

Meet the Editors of 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'll 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! *CME Code: 244H*

The Equipment Laden Potentially Spine Injured Athlete

King's Garden 4

Philip Hensler, MS, ATC, LAT, PES

Despite safety advancements in nearly all aspects of ice hockey, injuries occur in all levels of the sport from youth mite groups to backyard pond pickup games to the NHL. Improvements in equipment, game rules, coaching objectives, athlete/family education, and standards of athletic health care have made great strides; however, incidents ranging from seemingly idiopathic aches and pains to potentially catastrophic cervical spinal cord traumas still occur in ice hockey. This presentation addresses causes of spine injuries in hockey and discusses management of the equipment laden athlete hockey athlete on ice prior to transportation to an advance medical facility. *CME Code: 244I*

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Things That Go Boom

Michael Smith, MD, FAEMS

King's Garden 5

In recent years, the escalating frequency of intentional mass violence incidents throughout the USA has been of paramount concern. University campuses have been among the most frequent and most worrisome targets. This lecture is intended to discuss key components of EMS integration into the planning and operational aspects of tactical response. We will review national trends, emerging threats, and the approach we have taken at the University of Illinois to attempt to prepare for such a situation. Key focuses will include equipment and training requirements, logistical considerations, and response integration with patrol, SWAT, and EOD components of law enforcement. **CME Code: 244K**

Skills Lab: MCI Tabletop

Michael Kaduce

Brigade

Have you had the opportunity to participate in a disaster exercise or drill? Here's your chance to become a player in a DIY tabletop exercise utilizing readily available props! You will work together with fellow EMS crewmembers to identify what your actions and decisions would be as if you were on the scene of the job. **CME Code: 244C**

Collegiate Resuscitation Officer Program - Part 4

CME Code: 244B

King's Terrace

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*.

Continuing Medical Education (CME) Credit Information

Get Continuing Education Credit for the lectures you attend!

All NCEMSF conference sessions are eligible for continuing medical education credit. A maximum of 15 hours of CME are available for those that attend an educational offering every hour of the 2019 conference (Pre-Conference Workshop participants will receive CME 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-NCESMF** (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 CME Records" utility to select your sessions and rate the speakers and topics.

Generating Your CME 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 CME Records" utility. Use that utility to **rate the speaker and topics** you attended and print your CME report after you have completed the post-conference survey. Through May 1, 2019 you can also **correct any errors or add sessions** you attended.
- Print out your personalized PDF document** from the "My CME 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, 2019.** 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.
 - New Jersey EMTs** can receive credit for NCEMSF workshop sessions if they **follow all directions above** by May 1, and maintain a **New Jersey Department of Health EMT Continuing Education Documentation form EMS-28** (available at the Conference Registration Desk) and attach a copy of their personal PDF CME record. Questions about NJ CME should be directed to nc@ncemsf.org.

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)
- 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, Pittsburgh Bike Share 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.

Rideshare: *Uber*, *Lyft* and *zTrip* are just a request away from getting 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 (\$2.75 per ride) or using a ConnectCard (\$2.50 per ride). There are many bus routes through Downtown so use Google Maps app or the Port Authority Trip Planner (<http://www.portauthority.org/paac/>) to find your way. ConnectCards can be purchased at the Downtown Service Center at 623 Smithfield Street. M-F 7:30 AM to 5:00 PM.

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) and the Capitol Limited (Chicago to DC). Union Station is located at 1100 Liberty Ave in Downtown.

Intercity Bus: *Greyhound* departs from the Pittsburgh Greyhound Station at 55 11th street in Downtown. More information can be found at www.greyhound.com. *Megabus* serves New York City, Philadelphia, State College (PA), Washington DC, Harrisburg (PA) and Morgantown (WV). Buses depart 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 \$35. 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** is offering a 10% discount to NCEMSF conference attendees for reservations made with the SuperShuttle app or Web site using the code BTRSW.

Host Facility:

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

(412) 391-4600

NCEMSF

(877) NCEMSF-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 party at the **NCMSF Club & Casino!**

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 NOLA on the Square, Dunkin' Donuts, Starbucks, Moe's Southwest Grill, The Simple Greek, Original Oyster House, Las Velas, DiBella's Subs, Pizzaiola Prima, Subway, Winghart's, and City Works gastropub.

North Shore (0.6 miles/12 min): A string of restaurants on the North Shore includes Jerome Bettis' Grille 36, Burgatory, Tequila Cowboy, Bar Louie, Southern Tier Brewery, and McFadden's. Alongside PNC Park is Steel Cactus. Enter Point State Park and take the Fort Duquesne Bridge pedestrian path to The North Shore.

Station Square (1 mile/20 min): This development across the Monongahela River has Texas de Brazil, Hard Rock Cafe, The Melting Pot, Joe's Crab Shack, Crazy Mocha, Buca di Beppo, Grand Concourse, Gandy Dancer Saloon, Kiku Japanese, Buckhead Saloon, 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: Tako, Meat and Potatoes, Ten Penny, Pork and Beans, Butcher and the Rye, Sienna Mercato and The Commoner. 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: Gaucho Parilla Argentina, Smallman Galley, Kaya, Luke Wholey's Wild Alaskan Grille, Casa Reyna, Edgar's Tacos, Osteria 2350, Cioppino, 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)

Fort Pitt and named it after British Secretary of State William Pitt. He named the surrounding land Pittsborough. 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, FAWM

Prior to joining UF and with an undergraduate degree in Emergency Medicine from the University of Pittsburgh, he went on to graduate from medical school at Touro University in California. With almost 20 years of international emergency medicine/EMS experience, Ben remains active in research, education, speaking engagements, and consulting. His strong interest in international emergency medicine has lead him to a career as an EM and EMS physician, and he finished his residency in emergency medicine at Mount Sinai in Miami Beach & Ryder Trauma Center. Currently, Ben serves as Assistant Medical Director for Hallandale Beach Fire Rescue, Medical Director of City College Miami EMS programs, Medical Director of Gator Emergency Medical Response Unit (GEMRU), and is one of the only four instructors for the Wilderness EMS Medical Directors Course. Clinically beyond residency, Ben has remained active with FL-5 DMAT disaster team, Miami Dade Fire Rescue Urban Search & Rescue (USAR) Task Force 1 & Miami Beach Fire Rescue, Carolina Wilderness EMS Externship, and Burke County Emergency Services in North Carolina. Ben is also the executive director of iSES (International Institute of Sustainability in Emergency Services), and co-founder of FLoWMA (Florida Wilderness Medical Association). Ben's research interests include anything EMS, EMS for children, international EM/EMS, mentorship, resiliency in EMS, disaster medicine, wilderness/austere medicine & technical rescue practices. Ben is the very proud recipient of NCEMSF 2013 EMS Provider of the Year for Heroism & Valor.

Stephen Baumgarten, MPA, MAT

An alumnus of Harpur's Ferry Ambulance, Stephen is a social studies teacher who spends the summer lifeguarding on the South Shore of Long Island and the winters in the back of the ambulance wishing it was summer.

Hendrik Bilek, RN

Hendrik is a registered nurse and certified pediatric trauma nurse and board certified national disaster healthcare professional at the Children's Hospital of Philadelphia's emergency department which sees over 90,000 patients every year. Hendrik is a team leader on the HERT team for the hospital which includes in-hospital emergencies and decontamination of incoming patients. 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 captain and chief. Hendrik has been involved in Fire and EMS since 2010. He is a Connecticut native.

James Boomhower, NRP

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

Daniel Burke, NRP

Dan is a recent graduate of Franklin and Marshall College in Lancaster, PA, where he served as a Lieutenant, Captain, and the Director of Operations. Since graduation, Dan has obtained his paramedic certification and is on track toward a second degree in nursing. Dan continues to volunteer as a supervisor with F&M EMS in addition to chairing their successful committee on new vehicle purchase. Dan also continues to function as a paramedic with Lancaster EMS and a Volunteer Lieutenant in Baltimore County, MD at Hereford EMS.

Koralia Burz, MS

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

Jacqueline Cavendish

Jacqueline Cavendish has been involved with collegiate EMS since 2013 as an EMT with Case Western Reserve University EMS in Cleveland, Ohio. During this time Jacqueline served as a Crew Chief, Supervisor, and Assistant Chief for CWRU EMS. A recent graduate of CWRU with degrees in Chemical Biology and Evolutionary Biology, Jacqueline performs research in Emergency Medicine and serves as an AHA BLS CPR instructor. She hopes to pursue a career as a physician in the fields of Critical Care or Emergency Medicine.

Anthony Colantoni, RN, NRP

Anthony is an EMT/Paramedic/Paramedic Supervisor with Baldwin EMS in PA. He is an RN in the Trauma ICU/ER, Mercy Hospital, Pittsburgh, PA. He is a Flight Nurse/Chief Flight Nurse, STAT MedEvac, Pittsburgh, PA. He is also a Supervisory Special Agent, FBI, National Tactical Medical Operations Manager, Hostage Rescue Team.

N. Alex Cutsumbis, NRP

Alex is a graduate of the SHRS Emergency Medicine Program and has been involved in EMS for 11 years. After initially having a career in Information Technology he volunteered with the Red Cross during hurricanes Katrina and Rita. He has worked as a field medic, EMS supervisor and Operations Director. He currently is the clinical coordinator and instructor for the University of Pittsburgh and Center for Emergency Medicine paramedic education programs.

James Dlutowski, NRP

James began his EMS career in high school just north of Pittsburgh. 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. Upon graduation, he returned to the Pittsburgh area and has worked in field, teaching and management positions throughout the region. Today, he is a crew chief at the City of Pittsburgh Bureau of EMS at Medic 3.

Avi Dobrusin

Avi Dobrusin is currently a medical student at Central Michigan University College of Medicine. He graduated from Emory University in 2015 with a BS in Anthropology & Human Biology. While a student, he volunteered for Emory EMS, where he served as field training officer, shift supervisor, and Chief of Operations. He also has experience working for urban and rural EMS agencies in Georgia and Michigan.

Chris Ebright

Chris Ebright is an EMS Education Coordinator with the National EMS Academy in Covington, Louisiana. He has been a Nationally Registered paramedic for over 24 years, providing pre-hospital emergency care ranging from primary EMS response to critical care transportation by land and air. Chris has also educated first responders, EMTs, paramedics, nurses and doctors for over 23 years. He holds Bachelor of Education degree from the University of Toledo in Toledo, Ohio and is currently an annual presenter at local, state, and national EMS and public safety conferences.

Amy Eisenhauer

Amy Eisenhauer is a dynamic presenter at EMS conferences nationwide, raising awareness on topics such as provider suicide, response to hoarding events, and career development for EMS professionals. As a certified EMT, she has served the New Jersey EMS community as a volunteer and career provider since 1995. In addition to providing high quality medical care, Amy has taken on challenging roles as an EMS educator and training officer. Most notably, Amy is a contributing author for EMS World magazine and also hosts an interactive blog on EMS

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at TheEMSsiren.com, committed to improving the EMS community as a whole.

Adam Elwood

Adam graduated from Muhlenberg College in 2016, earning his BS in Neuroscience. He is an alumnus of Muhlenberg College EMS and the former President. He is now in his third year of medical school at Drexel University College of Medicine, completing his rotations at Allegheny Health Network in Pittsburgh, PA. He would like to specialize in OB/GYN after medical school.

Samuel Engel

Sam Engel is a graduate student currently attending Binghamton University for a Master of Arts in Biological Sciences. Serving as the 1st Asst. Chief and Deputy Director of Harpur's Ferry SVAS last year, he oversaw all administrative duties, as well as an expansion of squadroom space and the implementation of a third ambulance to the fleet. After graduating, Sam hopes to attend medical school to pursue a career as a physician in critical care medicine. He currently serves as the Captain of Hightstown First Aid Squad in Hightstown, NJ.

Jerry Escajeda, MD, FAEMS

Dr. Escajeda is an EMS Medical Director and Emergency Medicine Physician practicing in Pittsburgh.

Mark Forgues, MEd

Mark Forgues has more than 30 years of EMS experience in municipal, hospital-based, volunteer, private, fixed-wing, collegiate and fire-based EMS agencies. He is Executive Director of Medical Resources Group, LLC, an education and consulting firm; and Technical Advisor of the Massachusetts Institute of Technology Emergency Medical Services.

Adam D. Fox, DO, FACS

Dr Adam D Fox is an Assistant Professor of Surgery and Section Chief of Trauma in the Department of Surgery at Rutgers University-New Jersey Medical School and faculty in the Division of Trauma Surgery and Critical Care. He also holds the title of Associate Trauma Medical Director of the New Jersey Trauma Center at University Hospital, Associate Medical Director of the NorthSTAR aero medical program and Vice Chair of the NJ Committee on Trauma. Dr Fox joined the Rutgers faculty in 2011 after practicing in the divisions of Trauma/Critical Care and Emergency Surgery at the University of Pennsylvania and Penn State University. Dr Fox is an instructor and course director for multiple trauma and critical care related courses. He is an active member of The International Medical Surgical Response Team (IMSuRT) and Mobile Acute Care Strike Team (MAC-ST) of the National Disaster Medical System (NDMS). He has also provided surgical care on multiple medical missions around the world. Additionally, he provides medical care and education to the Newark FBI SWAT Team. Dr Fox was also featured in several episodes of the second season of NY Med, a docudrama on ABC. Dr Fox sits on the editorial board of several journals, is the author of multiple journal articles and has presented at conferences both nationally and internationally. His interests include leadership in trauma, education, and global trauma and disaster response.

Eric Garrison, MAEd, MSc

An international speaker on Title IX, sexual assault, and trauma-informed response, Eric also chairs both the Sex Counselor Certification Committee of AASECT and the Virginia Campus Task Force to End Gender-Based Violence. As a current Assistant Director of Health Promotion at William & Mary, Eric also served the historic university as its sexual assault prevention specialist for five years and as the instructor for its first course in Masculinity Studies. Over three decades, Eric has trained EMS providers, police, firefighters, doctors, medical students, Greek Letter Organizations, and NCAA teams from around the corner to around the globe - from Oxford, Mississippi, to Oxford University. As a world-renowned author and sexologist (both clinical and forensic), Eric also presents

on sexuality and healthful relationships to countless universities with NCEMSF membership. Because of his outstanding reputation as a dynamic speaker and his consistently high evaluations with our attendees, Eric is back again for multiple sessions this year at his 16th consecutive NCEMSF conference. You can reach Eric over the weekend and in the future at 800.814.1969 or at www.ericmgarrison.com

Thomas Goode, MS, NREMT

Tom Goode is a statistical analyst at the RAND Corporation with a broad interest in public safety and national security. His current tasks are in support of the US Air Force, Department of Defense, Department of Homeland Security, and the Department of Health and Human Service's Centers for Medicare & Medicaid Services. While earning his bachelor's and master's degrees in statistics at Carnegie Mellon University, he conducted prehospital care research investigating new methodology for forecasting ambulance demand with CMU statistics faculty, visualizing cardiac arrest treatment with faculty at the University of Pittsburgh's Department of Emergency Medicine, and exploring the impact of continuing education on patient care with administrators at the City of Pittsburgh Bureau of EMS. Tom is also an EMT in the Pittsburgh area with clinical and incident management experience, and served in various leadership positions with Carnegie Mellon University EMS during his undergraduate and graduate studies.

Lauren Gorstein

Lauren graduated from Skidmore College in 2017 with a Bachelor of Arts in Health & Exercise Sciences and Sociology. She also served as Training Officer and an EMT-B Crew Chief for Skidmore College Emergency Medical Services (SCEMS). During her time at Skidmore and in SCEMS, she was committed to improving her agency's response to relationship violence and sexual assault. She designed, coordinated, and presented an original 2-hour training for CME credits on the topic, and partnered with a local domestic violence agency to deliver this same training to EMS providers throughout the Greater Capital Region. In recognition of her work in SCEMS, and for her work on this training, she was awarded the Periclean Scholar Award, the Presidents Award, and the Rodney D. Andrew's Prize for "cheerful unobtrusive and unselfish service." After graduation, she worked for 2 years as a domestic violence and sexual assault victim advocate. Today, she continues to study and develop original research on sexual assault on college campuses, including EMS sexual assault response. Additionally, she currently serve as a member of the Editorial Board for the Journal of Collegiate Emergency Medical Services.

Jason Haag, CCEMT-P, CIC

Jason comes with more than 15 years of fire and EMS experience. He started as an EMT in 2003 and advanced to the paramedic level in 2006. While studying for his paramedic certification, he earned his EMD certification and worked as a dispatcher for Finger Lakes Ambulance. In 2008, Jason studied at the University of Maryland Baltimore College to obtain a certification in critical care transport. Jason has experience transporting critically ill patients utilizing ventilators, IV pumps, advanced pharmacology and RSI. He was promoted to Lieutenant in 2010 at Finger Lakes Ambulance. In 2014, Jason began work towards reaching his goal of becoming a NYS certified instructor (CIC). His commitment to training and education was met with enthusiasm by Finger Lakes Ambulance when they promoted him to Clinical Educator. Since that time, Jason has successfully earned his CIC certification and teaches classes nationwide. He also speaks at conferences, hosts CME classes and reviews texts for Jones and Bartlett Learning. Jason continues his EMS advocacy through his active involvement with Finger Lakes Regional EMS Council, NY SEMSCO, Wayne County ALS, AHA instructor (ACLS, PALS, CPR) and NAEMT. His involvement on various government committees; Boy Scouts, the Free and Accepted Masons, Rotary International and Ducks Unlimited will occupy his days after his daily family time with his wife Jami and son Gavin.

Alan Heckman

Alan Heckman is a board certified physician assistant who is also a nationally certified paramedic and EMS educator. He

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has over 20 years of experience in healthcare, specializing in EMS, Family Medicine, Emergency Medicine, Cardiothoracic Surgery, and Critical Care. Alan has served as Administrator of the EMT and Paramedic training programs in Lehigh County, PA and still serves as an advisor to both programs. He works full time as an Assistant Professor in the Physician Assistant Program at DeSales University and continues to practice Cardiothoracic Surgery on a regular basis. Alan is also the owner of EMS Education Solutions, an EMS training institute specializing in innovative teaching strategies. Alan has a Bachelor's degree in Secondary Education / Communications from Kutztown University and a Master's degree in Physician Assistant Studies from DeSales University. He has presented at local, state, and national conferences. In addition, Alan has served as lead author and contributing author to almost a dozen EMS textbooks.

Philip Hensler, MS, ATC, LAT, PES

Philip earned his Bachelors in Athletic Training from Duquesne University in 2006 and Masters in Exercise Science from California University of Pennsylvania in 2008. He has worked as Venue Manager for the NBC Dew Tour Competition and Various Redbull Programming where he oversaw medical coverage for sports such as FMX, BMX, Skateboarding, Skiing, and Snowboarding. He is currently employed as the ATII Floater for UPMC Sports Medicine where he oversees long term staff coverage at 44 high schools, 7 universities and 5 professional teams. Philip also leads the UPMC's Athletic Training and EMS outreach committee which provides education to EMS on how to safely work with the "Equipped" athlete and to foster positive inter-professional relationships between local EMS and athletic trainers. Philip also is a lead ATC for regional Taekwondo competitions and Core AT Staff for USA Team Taekwondo National/International Competitions.

Trent Herrod

Trent Herrod has been in the field of public safety for more than 25 years. He currently serves as a Battalion Chief of the Sugar Land Fire Department overseeing Field Resources. He served in the role as a SWAT Medic for 10 years. He has taught the EMT and AEMT curriculum at RICE University for the past ten years.

Douglas Hexel

Doug Hexel has been in Emergency Services since 2004; working for private, commercial, and municipal agencies from the Bronx to Saratoga County, NY. He currently serves as a professional Firefighter for the City of Schenectady, Rescue Specialist for New York Urban/Technical Search and Rescue Task Force 2 (NY-TF2), Paramedic Instructor at the State University of New York at Cobleskill, and Shift Commander at the Albany County Sheriff's Office EMS Division. He is a New York State Certified Instructor Coordinator (CIC) and hold Technician Level Certifications in multiple rescue disciplines. Over a decade in Fire/EMS, Doug has progressed through numerous direct care, supervisory, administrative, and educational positions. His professional passion is educating paramedics and paramedic students in all realms of EMS and technical rescue, as well as removing the stigma of "FireMedics" among all providers.

David Hiltz

David Hiltz is Director of Quality and Training at Code One Training Solutions, LLC. In this position, he works to ensure responders are ready, willing and able to act when faced with a medical emergency. He also helps organizations improve their systems of care for cardiac arrest and heart attack. David has an extensive background in cardiac arrest systems of care through his work at Code One and 17 years with the American Heart Association where he was responsible for education, implementation, strategy development, and helping responders and systems achieve improved outcomes.

Megan Hollern, MA, RN, NRP

Megan Hollern is the Certification Analyst at the National Registry of EMTs (NREMT) with responsibilities for continued competency, recertification processes, and organizational and Board policies and procedures. She has over 15 years of

experience in the field of emergency medical services as an EMT/Paramedic and got her start on a campus EMS team. Megan has a master's degree in Management and Leadership from Webster University and bachelor's degrees from Ursinus College in Exercise Sports Science and the University of Cincinnati in Nursing.

Michael Kaduce, MSP, NRP

Michael Kaduce is the EMT Program Director at the UCLA Center for Prehospital Care. Michael began his EMS career in Iowa where he received his EMT certificate from Mercy College of Health Sciences in 2006 and worked as a Patient Care Technician at St. Luke's Hospital while obtaining his Bachelor's of Science in Biology from Mount Mercy University. Michael completed his paramedic course work at Mercy College of Health Sciences and worked for the Urbandale Fire Department as a Firefighter/Paramedic for four years. He was then the EMT and Paramedic coordinator for 2 years at the University of Iowa. Michael graduated from Pennsylvania State University where he completed his Masters of Professional Studies in Homeland Security in 2016.

Arthur Kellermann, MD, MPH

Dr. Kellermann became Dean of the F. Edward Hébert School of Medicine at the Uniformed Services University of the Health Sciences, on September 7, 2013. The unique program is the country's only federal medical school. Dr. Kellermann's distinguished career is anchored in academic medicine and public health. Prior to joining USU, he held the Paul O'Neill-Alcoa Chair in Policy Analysis at RAND, a non-profit research organization. He was a professor of emergency medicine and public health and associate dean for health policy at the Emory School of Medicine in Atlanta. He founded Emory's Department of Emergency Medicine and served as its first chair from 1999 to 2007. He also founded the Emory Center for Injury Control, a World Health Organization Collaborating Center. A two-term member of the board of directors of the American College of Emergency Physicians, Dr. Kellermann was subsequently given the College's highest award for leadership. He also holds "excellence in science" awards from the Society for Academic Emergency Medicine and the Injury Control and Emergency Health Services Section of the American Public Health Association. Elected to the Institute of Medicine in 1999, he co-chaired the IOM Committee on the Consequences of Uninsurance. He currently serves on the IOM's Governing Council. A clinician and researcher, Dr. Kellermann practiced and taught emergency medicine for more than 25 years in public teaching hospitals in Seattle, Memphis, and Atlanta. His research addresses a wide range of issues, including health care spending and emergency care and disaster preparedness.

Katherine Kemberling, NRP

Katherine is an alumna of the University of Pittsburgh Emergency Medicine program. She has been an EMS provider for 7 years and has educational and work experience in urban, rural, and frontier EMS systems. Currently, Katherine works as the system Emergency Management Coordinator for the Geisinger Health System while also working part time for a local ambulance company.

Kyle Kotowick, PhD

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

Evan Kuhl, MD

Evan Kuhl is a chief resident in emergency medicine at the George Washington University. Evan began working in EMS when he turned 18, and started the first collegiate EMS program in the state of Kentucky at Bellarmine University. Evan completed his medical degree at the University of Louisville, and is looking forward to continuing his education in an EMS fellowship.

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Joseph Lalor

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

Steve Lanwermyer

Steve earned a BA in International Political Economy from the University of Puget Sound. He now teaches for NOLS Wilderness Medicine. Previously, he has punched his work and fun clocks as the medic for a group of university students on a year-long trip across Asia, as Education Director for field studies programs in island ecology and marine biology, and as a designer/installer of renewable energy systems in Ecuador and throughout coastal Alaska. In 2012, he worked on a project to install solar powered electrical systems for lighting, communications equipment and chlorine generating units used to disinfect contaminated water at seven health clinics across rural Nicaragua. Either behind the oars or up front with his fly rod, he's happiest when floating downstream somewhere.

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

Dr. Benjamin Lawner is the Medical Director of Prehospital Care Services for Allegheny General Hospital. He provides medical oversight to a critical care transport program (LifeFlight), EMS education, and ground based EMS services. He has been involved in emergency medical services since his initial certification as an EMT in 1994. He has worked with Alachua County (Florida) Fire Rescue as a firefighter paramedic. At the University of Maryland Medical System, he completed a residency in emergency medicine and a fellowship in emergency medical services. Formerly, Dr. Lawner served as the Deputy Medical Director for the Baltimore City Fire Department. He remains active in medical student, physician and prehospital education.

C Lombardi, RN

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

Blaise Loughman, CCEMT-P

A Pittsburgh native, Blaise has served in many capacities in both collegiate and "real-world" EMS agencies over an eight-year career in EMS. He is a graduate of the University of Pittsburgh's Undergraduate Program in Emergency Medicine. Blaise joined Carnegie Mellon EMS in 2010, became Captain in 2013, and was appointed to a staff position overseeing the organization in 2016. He now serves as a Paramedic and Supervisor for EMS Southwest, a rural agency responsible for a large area south of Pittsburgh. He instructs for the University of Pittsburgh EM Program, as well as the Center for Emergency Medicine of Western Pennsylvania.

Raymond Lovell

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

Daniel Maas

Dan Maas is Emergency Manager with the Cornell University Office of Emergency Management and serves as advisor of the Cornell University Emergency Medical Service, a student run, all volunteer BLS first response agency serving the Cornell

campus in Ithaca, NY. Dan is a member of the New York State Southern Tier Regional Incident Management Team and also works as Communications Branch Director with the New York Road Runners during major races such as the New York City Marathon. Dan has been involved in emergency services and response for over 37 years with extensive experience in EMS, fire, technical rescue, hazardous materials, and emergency management. Dan has been a volunteer firefighter-EMT with the Ithaca Fire Department for the last 30 years and is a member of the Central New York Medical Reserve Corps. Dan has been recognized as a Certified Emergency Manager by the International Association of Emergency Managers.

Christian Martin-Gill, MD, MPH

Christian Martin-Gill is an EMS provider, educator, medical director, and researcher with over 20 years of experience in EMS. He is Associate Medical Director of STAT Medevac and UPMC Prehospital Care, where he oversees 17 air medical bases and 40 ALS EMS agencies. He has published over 65 manuscripts related to EMS research. He continues to work in the field as an EMS Physician performing ground EMS response and as a Flight Physician / Certified Flight Paramedic with STAT MedEvac.

Carrie Matuzsan

Carrie Matuzsan, LSW, MS is a social worker who has both a personal and professional background in diabetes. She was a member of the Hopkins Emergency Response Organization from 2008 to 2012 during which time she served as its training officer. After graduating from college, Carrie earned a masters in psychology from Drexel University and a masters of social work from the University of Pennsylvania. She spent time working directly with children with diabetes at the Children's Hospital of Philadelphia and then as a case manager at Grand View Hospital. She subsequently received her Certified Diabetes Educator and now works for Livongo, a company specializing in promoting health in diabetics and people with other chronic health conditions. Carrie works with both type 1 and type 2 diabetics when they are having diabetes-related complications in addition to helping pre-diabetics prevent the progression of their disease.

Kerry McCans

Kerry is a recent graduate of the University of Pittsburgh Emergency medicine program with a Chemistry Minor. She is originally from Philadelphia, but currently lives in the Pittsburgh area. This May she will celebrate two years as a paramedic with Ambulance and Chair Service in Washington County.

Kellyn McNulty, DVM

Kellyn McNulty is a veterinarian at a 24-hour general and emergency hospital outside of Pittsburgh, PA. Her duties at the hospital include seeing routine appointments, triaging and treating emergencies, and managing inpatients. She received her BS in Biology from St. Vincent College and her DVM from Tufts Cummings School of Veterinary Medicine. While her primary interests are preventative care and internal medicine, she also has a passion for education and recognizes the need for human first responders to have a basic understanding of veterinary emergencies.

Peter Melan

Currently, Peter serves as an at-large councilperson in the City of Easton, overseeing public safety. He has been an EMT for 22 years and continues to remain involved with groups related to public safety.

Jacob Miller, CCRN, EMT-P

Jacob Miller is a Certified Nurse Practitioner and Clinical Nurse Specialist with background in flight, critical care transport, and emergency nursing. Jacob received his Master of Science in acute care from the University of Maryland's Baltimore campus and post-master's certificates in family practice and advanced practice flight nursing from Case Western Reserve University in Cleveland. In addition to his nursing career, Jacob is also a Nationally Registered Paramedic with volunteer, commercial, and aeromedical EMS experience. Jacob currently works as a

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flight nurse practitioner at the Cleveland Clinic, and remains an active alumni EMS provider with Case Western Reserve University EMS.

Mark Milliron, MS, MPA, MHS

Mark Milliron has over 35 years of experience in EMS including 17 years with Penn State EMS, has volunteered on a wilderness search and rescue team, and with a regional Incident Management Team. A life member of NCEMSF, Mr. Milliron served on the NCEMSF Board of directors from the Board's inception in 1995 to 2011 as Chairman, Treasurer, and Director -At-Large. Mr. Milliron is currently employed as a Public Health Program Administrator by the Pennsylvania Department of Health and is an adjunct professor in the Fire and Emergency Management program at Purdue Global University.

Shawn Miner

Shawn Miner joined the University of Rhode Island Emergency Medical Services in 2010 and became a licensed EMT-Basic in 2011. Aside from EMS, Shawn has experience in Student Affairs, Event Management, and Facility Operations. Shawn has experience in both collegiate and private EMS. Shawn currently serves as the Captain of Administration and Personnel at URI EMS and works in Operations and Events at the Student Union.

Lucian Mirra, MEd, NRP

Lucian has been involved in EMS since high school and earned his EMT certification in 2004. He completed paramedic training at Tidewater Community College and his Bachelor's in Political Science from Christopher Newport University. After several years working as a firefighter/paramedic in northern Virginia, he earned a Master of Education from the University of Virginia in 2014 and has served as UVA's Emergency Management Coordinator since then. He maintains active practice as a paramedic and EMT instructor in Albemarle County, Virginia.

Dylan Morris, MD

Dylan Morris got his start in medicine as a volunteer EMT in Hoboken, NJ. He was bitten by the EMS bug, and changed careers. He continued to volunteer as an EMT first with Radnor Fire Company in Pennsylvania, then with Henrietta Ambulance in Rochester, NY. He attended medical school at the University of Rochester, then Emergency Medicine residency at OHSU in Portland, OR. He worked as an assistant medical director and EM attending before pursuing EMS fellowship at UPMC here in Pittsburgh. He now is an EM attending, Assistant Medical Director for Pittsburgh EMS and flight physician with STAT MedEvac.

Brendan Mulcahy, DO

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

Kenneth Navarro, MD

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

Jeffrey Nusbaum, MD

Jeffrey Nusbaum earned his BS in Biochemistry from Haverford in 2008 and his MD from Georgetown University School of Medicine in 2014. He completed his residency in Emergency Medicine at Mount Sinai / Elmhurst Hospital in 2018 and is currently in his EMS Fellowship at UPMC.

Clayton Ondrizek

Clayton is an Operations Supervisor/Tactical Paramedic/Rescue

Technician for North Huntingdon EMS/Rescue. He has 20+ years experience in EMS. He is a past Training Officer and Events Supervisor for Penn State EMS.

Michael Overmyer

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

Mark Pinchalk, MS, EMT-P

Mark Pinchalk is the Assistant Chief City of Pittsburgh EMS. In his position, Mark oversees clinical operations, training and quality improvement programs. He has been involved in EMS for over 30 years and has an extensive background in special operations, research and education. He serves as a Tactical Medic for Pittsburgh EMS/SWAT 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.

Jeffrey Rabinowitz

Jeffrey Rabinowitz is a second year medical student at CWRU School of Medicine. He has been involved with CWRU EMS for six years, where he served as Chief, Assistant Chief, and continues to serve as a field supervisor. After graduating with a BS in Chemistry and before starting medical school, Jeffrey worked as a dispatcher for campus public safety resources. While he is keeping an open mind about specialties, he has a strong interest in emergency medicine.

Ari Rabkin, PhD

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

Jared Ross, DO

Jared Ross is an Emergency Physician with over 16 years of experience as an EMT, paramedic, firefighter and EMS educator. Jared started his EMS career in high school and continued his involvement in college with Carnegie Mellon University EMS. He served as assistant medical education director for the Detroit Fire Department EMS and assistant medical director for the Henry Ford College Paramedic program. Jared has worked in numerous EMS systems across 7 states. He is actively involved in Emergency Medicine and EMS research and has presented at numerous local, state, and national conferences. Jared completed his emergency medicine training at St. John Hospital in Detroit and is pursuing a fellowship in EMS and tactical medicine at Washington University in St. Louis. He is currently assistant medical director for Christian Hospital EMS, a service with 40,000 annual calls. His research interests include respiratory emergencies, chemical sedation, law-enforcement EMS integration and pre-hospital ultrasound application.

Ron Roth, MD

Ron Roth is a Professor of Emergency Medicine and Chief, Division of EMS in the Department of Emergency Medicine at the University of Pittsburgh. He serves as an attending physician in the UPMC Presbyterian Hospital Emergency Department and in 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

Presenter Bios

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 an Emergency Medicine consultant for the Pittsburgh Penguins and University of Pittsburgh Football team. During his undergraduate studies at Penn State, he served as an EMT on the University Ambulance Service.

John Ryan, NRP

Developing his passion for Emergency Services while in high school, John was driven to further his education to better serve his patients. Upon completing his undergraduate education at the University of Pittsburgh, John was fortunate enough to serve as a Firefighter / Paramedic in the District of Columbia and Assistant Chief of Operations of an ALS agency, an EMS Instructor and Police Officer. John currently resides in Delaware County, Pennsylvania where he works as both a Paramedic and Law Enforcement Officer, serving on various organizational committees.

Aaron Saguil, MD, MPH, FAAFP

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

Cynthia Sanchas, CFRN, MSN

Cynthia is a certified flight nurse with 29 years of experience with Allegheny General Hospital Life Flight.

Richard Shok, RN, NRP

Richard Shok is the Owner and Director of Code One Training Solutions, LLC. As an American Heart Association Training Center, the Code One team has taught thousands of people to save lives over the past ten years. At our six locations through CT, MA, SC and GA Code One trains individuals in resuscitation, emergency cardiovascular care, EMS and other health-related programs. Code One currently consists of seven full time staff and 25 part-time and per diem instructors and trained nearly 10,000 people to save lives last year.

J. Dominic Singh, NRP, I/C

Dominic has been engaged in EMS for 21 years and is the current staff advisor to UMass Amherst EMS. He is also the Chief of Operations for Spencer EMS and a career firefighter/paramedic for Amherst Fire (both in Massachusetts). Prior to these positions he worked in private, municipal, and non-profit settings in both rural and urban environments, and continues to be active in EMS event management, training, and field response.

Michael Smith, MD, FAEMS

Michael Smith is the EMS Medical Director for Carle Regional EMS System, Illini EMS at the University of Illinois, METRO SWAT and UIPD, Champaign County Illinois. He is a combat veteran, US Army Medical Department, Operation Iraqi Freedom. He is also a member of the Rest Writing Committee, National Registry of EMT's. He is a Board Certified Subspecialist in EMS.

Scott Spangler, NRP, FP-C

Scott is the ALS Operations Supervisor with Johns Hopkins

Lifeline Critical Care Transport Team and the advisor for the Johns Hopkins University Collegiate EMS Squad HERO.

Walt Stoy, PhD, EMT-P

Dr. Walt Stoy is a practicing paramedic with a PhD in Instructional Design. His EMS career started in the early 1970's working with both ground and air EMS systems. Since 1981, he has been at the University of Pittsburgh teaching EMS and Emergency Medicine to members of the lay public and practicing physicians. In the 1990's he served as the Project Director or Principal Investigator on curriculum for the four levels of EMS. He has over 60 publications including textbooks and ancillary instructional materials. In 1998, he led a team in the creation of the bachelor's degree program in Emergency Medicine at the University of Pittsburgh. He is the Founding President of the National Association of EMS Educators. He has received two life time achievement awards from NAEMT and NAEMSE.

Mark Tamarin

Mark graduated from Muhlenberg College in 2016, earning his BS in Neuroscience. He is an alumnus of Muhlenberg College EMS and the former Captain. He is now working in New York as an EMT for FDNY EMS. He is planning on furthering his Fire career and possibly starting Physician Assistant school.

Adam Tobias, MD, MPH, FACEP

Adam Tobias is an Assistant Professor of Emergency Medicine at the University of Pittsburgh School of Medicine. He is board-certified in Emergency Medicine and in Emergency Medical Services. He serves as Assistant Program Director the Pitt EM Residency. He has extensive experience in EMS.

Blake Topper

Blake is a graduate student currently attending Binghamton University pursuing a Master of Arts in Biological Sciences. He graduated undergraduate from Binghamton in 2018 with a Bachelor's of Science in Integrative Neuroscience. Blake has been involved in EMS for about four years now, serving in both private ambulance companies as well as volunteer. Blake served as the Equipment Officer for Harpur's Ferry SVAS for one year and then served his remaining two years of undergrad as the Second Asst. Chief and Director of Operations. After graduating, Blake hopes to attend medical school.

Rebecca Valentine

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

Jada Wang

Jada is a candidate for the Accelerated Master's program in Biology and Society (Bioethics, Policy, and Law) at Arizona State University (ASU), planning on graduating with her master's degree in May 2019. Jada has been involved with ASU EMS since 2014, and has previously served as the EMS Coordinator for the organization. Outside of ASU, Jada has successfully completed a vehicular internship with Phoenix Fire Department, and is now working as a paramedic in Scottsdale.

James Weber

James has been in public safety for nearly 20 years, he is currently an Advanced EMT in the Harrisburg, Pennsylvania area. James has directed his career toward education where he has trained, mentored and developed over 1,800 new EMS professionals. James pioneered blending learning programs within the public safety industry, developing and launching a blended AEMT/EMT/EMR program that has graduated almost 600 certified EMS providers.

Presenter Bios

Leonard Weiss, MD

Lenny Weiss is an Emergency Physician in the Department of Emergency Medicine at the University of Pittsburgh School of Medicine. He is an Assistant Professor on faculty in the Division of Emergency Medical Services specializing in out of hospital care and emergency management, holding board certifications in emergency medicine and emergency medical services. Dr. Weiss has been in the department for 6 years now, completing his residency and fellowship training at University of Pittsburgh. His Doctor of Medicine was earned at Indiana University. Dr. Weiss serves as the Medical Director of Carnegie Mellon University EMS and is an attending emergency physician at UPMC Mercy Hospital. He serves as a flight physician and is the Assistant Medical Director of STAT MedEvac as well as a Medical Command physician for UPMC Prehospital Care and the City of Pittsburgh EMS. He is Associate Director of the Prehospital Physician Response program at the University of Pittsburgh Emergency Medicine Residency. Dr. Weiss is co-director of University of Pittsburgh Resuscitation Logistics and Informatics Venture (ReLIVE).

Chris Wend, NRP, FP-C

Chris is currently a paramedic and firefighter in Bucks County Pennsylvania. He was previously a paramedic with the Johns Hopkins Lifeline Critical Care Transport team and was both Captain and Stop the Bleed coordinator for HERO, the collegiate EMS service for Johns Hopkins University. He is still involved in HERO through education and is an active lieutenant.

Douglas Wolfberg, JD

Doug Wolfberg is a nationally-known EMS attorney and a co-founder of Page, Wolfberg & Wirth. He was a longtime former EMS practitioner, and a county EMS director and federal EMS administrator prior to attending law school. He is an alum of University Ambulance Service at Penn State ('87).

Donnie Woodyard, MA, NRP

Donnie Woodyard is a paramedic and has a Master's in Management and Leadership from Liberty University. The Operations and Stakeholder Relations Team, led by Chief Operations Officer Donnie Woodyard, is responsible for stakeholder relationships, registrant services, information technology, communications and marketing. The core mission of this team is proactive communications to support the EMS community. He previously served as a State EMS Director, and led international EMS system development projects.

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Richard W. Vomacka Student Speakers Bios

Victoria Clarke

Victoria Clarke is a junior at Vassar College, where she studies Science, Technology, and Society and Biology. She has been an active member of her college's EMS agency since August 2016, serving as the public relations officer from May 2017 to October 2018 and as a crew chief since April 2018. Victoria has also been an academic intern for Vassar College's EMT course since August 2017. Most recently, Victoria interned in the Simulation Lab at Touro College of Osteopathic Medicine, where she learned first-hand about the importance of simulation in medical education.

Jessica Duggan

Jessie is a junior at Tufts University studying Biochemistry and Psychology. She serves as the Executive Director of Tufts EMS and has been an EMT since sophomore year of high school. Outside of TEMS, she works for STOMP (Student Teacher Outreach Mentorship Program), teaching engineering and science to 5th grade students.

Catherine Gibbs

Catherine is an Advanced Emergency Medical Technician from Chester County Pennsylvania. She is a Senior Neuroscience major at Temple University in Philadelphia, PA and the Director of Operations for the on-campus EMS organization, TUEMS. Catherine is an EMS Instructor who is passionate about community education and engagement. She has designed EMS summer camp programs for children, a 'Teddy Bear Hospital', and is currently piloting a tiered First-Aid and CPR program for primary school students.

Jamie Johar

Jamie is from Fort Collins, CO and is the Team Leader of the Eckerd College Emergency Response Team and has been an EMT for 4 years. She is a Biology major and plans to go into nursing following graduation. Jamie is also a Communication Specialist for Tampa General Hospital and loves advocating for Gender Justice in the workforce. As the daughter of two physicians, Jamie has grown up around medicine, and is excited to start her own path into medicine, carrying with her the lessons she has learned from her parents.

Riley Kimball

Riley Kimball is a senior at the University of Pittsburgh originally from Stroudsburg, Pennsylvania. He will be graduating in December with a BS in Nursing Program and a minor in Gender, Sexuality, and Women's Studies. Throughout his time at Pitt he has served as the Secretary and current president of Pitt Student EMS. Riley is currently a Patient Care Tech at UPMC Presbyterian on a neurosurgery unit.

Mike Komarovskiy

Mike Komarovskiy, Case Western Reserve University class of 2021, is pursuing a BA in Physiology as well as minors in Biology, Chemistry, and Psychology. Mike currently serves as a Crew Chief, Stop the Bleed Instructor, and Training Director with CWRU EMS as well as an EMT with private agencies in Cleveland and Chicago. In addition to his work as an EMT, Mike

does orthopedics research with University Hospitals Cleveland Medical Center and works as an Orientation Leader for CWRU. His future plans include becoming a physician and medical school professor.

Kathryn Marcon

Kathryn is a senior undergraduate student pursuing a BS in Exercise Science at The George Washington University. She has over 5 years experience working in the emergency medical response system and health care industry. Her current interests include early detection of disease, pre-hospital care in the clinical setting, and social determinants of health. She hopes to further her career as a Physician Assistant following graduation.

Daniel Moskowitz

Daniel Moskowitz is a senior at Vassar College, where he studies Hispanic Studies and Economics. He has been involved with campus EMS since September 2015, acting as the recruitment coordinator, training officer, and senior crew chief. Daniel has been an academic intern in Vassar's EMT course since August 2016. Daniel is also a volunteer at the New Paltz Rescue Squad and in his hometown of Baltimore with the Baltimore County Fire Department (BCoFD). Most recently, Daniel worked for BCoFD in developing a comprehensive documentation guide to be used by the over 3,000 career and volunteer responders of the department.

Hannah Vigran

Hannah is a junior at Tufts University studying Biology and Studio Art. She serves as the Director of Training and Quality Assurance and an EMT-Preceptor at Tufts EMS. Hannah has also worked as an emergency room technician and teaching assistant for an EMT-B certification course.

Lauren Wilson

Lauren Wilson is pursuing degrees in biomedical science and global health. She hopes to obtain a master's degree in global health and continue to work on health communication disparities between healthcare providers and human trafficking victims. She proudly serves the ASU community as an EMT. When Lauren isn't busy saving lives she enjoys long walks with her dogs, a nice latte, and perusing the shelves of local bookstores.

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.



NCESMF Leadership Bios

NCESMF EXECUTIVE BOARD

George J. Koenig, Jr., DO

George Koenig, NCESMF 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. 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 NCESMF 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, NCESMF 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. Scott remains active in both EMS administration and operations. He is Chair of the Board of Directors of Whitemarsh Ambulance, a 4,000 call-per-year ALS squad in the Philadelphia suburbs. He is also a per diem event EMT for Lehigh Valley Health Network at the PPL Center in Allentown.

Joshua A. Marks, MD

Joshua Marks, NCESMF Secretary, is an Assistant Professor of Surgery in the Division of Acute Care Surgery: Trauma, Surgical Critical Care and Emergency General Surgery of Sidney Kimmel Medical College at Thomas Jefferson University. He is the Program Director for the Surgical Critical Care Fellowship and Associate Program Director for the General Surgery Residency as well as the Surgical ICU Medical Director at Jefferson. He is Board Certified in surgery and surgical critical care and is a Fellow of the American College of Surgeons. He completed his fellowship in trauma and surgical critical care at the Hospital of the University of Pennsylvania and his general surgery residency at Jefferson. He received his MD from Jefferson Medical College in 2007, and his BA in Economics in 2003 from Columbia University. He has been involved with EMS since 1998, as a member of Narberth Ambulance and has served on Narberth's Board of Directors for fourteen years as the Corps' Treasurer, Secretary, Membership Chair, and BLS Training Coordinator and Assistant Medical Director. While at Columbia, Josh served as the Chief Medical Officer and Executive Director of Columbia University EMS. Joshua became involved with NCESMF 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 NCESMF Collegiate Provider of the Year Award as well as the recipient of the American College Health Association's Lewis Barbato Award.

Michael S. Wiederhold, MD, MPH, MS

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

Michael T. Hilton, MD, MPH

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

Yoni Litwok, MD

Yoni Litwok, NCESMF Director-at-Large, graduated from Brandeis University in 2007 with a degree in Economics. Prior to graduation, he was Clinical Supervisor and Director of Operations of the Brandeis Emergency Medical Corps. After graduating he worked for an investment firm before deciding to pursue a career in medicine. Yoni completed his post-baccalaureate studies at Rutgers University and then graduated from Rutgers New Jersey Medical School. Yoni completed an Internal Medicine residency as well as a Chief Resident year at Northwell Health (North Shore - Long Island Jewish). He is currently a Cardiology fellow at the same institution. Prior to becoming a Director-at-Large, Yoni was the Northeast Regional Coordinator.



NCEMSF Leadership Bios

NCEMSF DIVISION COORDINATORS

Karolina A. 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 program manager.

Stephen J. Lanieri

Stephen Lanieri, NCEMSF National Coordinator, graduated from Daniel Webster College in 2008 with a BS in Aviation Management. As a freshman, he founded DWC EMS, a student-run state-licensed EMS service. Steve held the position of Chief/President all 4 years. Steve began his EMS career at 16, volunteering as a cadet on the Branchburg Rescue Squad in his hometown in NJ, and later became an EMT-B. He has become certified in Swiftwater Rescue, Vehicle Extrication, Airplane/Helicopter Rescue, and many levels of ICS, and continues to serve as a Life Member of the volunteer rescue squad. Steve has also been a National Ski Patrolroller since 2004 at Pats Peak Ski Area in Henniker, NH. Steve has worked as a Communication Specialist/EMT with Boston MedFlight, and at Boston Logan International Airport's Operations Center where he managed logistics for airport operations, security, and emergency responses with Airport Fire/Rescue. In his current role, he is a manager of airport operations, maintenance, and emergency response/preparedness in the field. He 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, Associate EMS Fellowship Director, and Medical Director of Orange County (NC) Emergency Services. He completed his emergency medicine residency at the University of Virginia in 2014, and an EMS fellowship at the University of North Carolina in 2016. He earned his Bachelor's degree and MD from Case Western Reserve University (CWRU) where he co-founded Case Western Reserve University EMS as an undergraduate. Starting in high school, he served as a volunteer with the Kensington Volunteer Fire Department (KVFD), where he attained life membership. Prior to his current position as startup coordinator, he served for 8 years as the Midwest Regional Coordinator with NCEMSF.

Daniel McConnell

Daniel McConnell, NCEMSF Assistant Startup Coordinator, is a MD/MBA candidate at Columbia University College of Physicians and Surgeons and Business School. He worked as the Clinic Coordinator for the Asylum Clinic providing medical examinations in support of refugees seeking asylum in the United States. He graduated from Columbia College in 2014 with an AB in Biology. As an EMT with Columbia University EMS (CUEMS), Daniel served as Director, where he worked to change how the corps interacted and was viewed by school administration. He has a strong interest in administration, organization policy, and school integration. During his time at Columbia, he re-founded the volunteer CPR agency that provides CPR and first aid training at a reduced cost to organizations.

Joshua E. Glick, MD

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

Jeffrey J. Bilyk, ACP(f)

Jeffrey 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. He also works in the Quality department of his Regional Base Hospital Program providing quality assurance and education to nine local Paramedic Services. In addition to his EMS work, Jeff owns a successful health and safety consulting company. He has always been a strong advocate for campus based EMS in Canada and endeavours to continue to grow the number of Canadian campuses with CBEMS teams.

Eric Pohl, NRP

Eric Pohl, NCEMSF Emergency Management Coordinator, is a Federal On Scene Coordinator for the United States Environmental Protection Agency, Region 5 Emergency Response Branch based in Cleveland, Ohio. He is a volunteer Paramedic for the City of Hudson (Ohio) 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 where he was responsible for managing a breadth of emergencies including toxic chemical releases and CBRNE/Weapons of Mass Destruction incidents. In 2007, Eric earned a Bachelor of Science degree in Chemical Engineering from Columbia University where he also served as a Crew Chief with the campus ambulance service. Eric obtained his paramedic from St. Vincent's Hospital - Manhattan in 2008 and has provided 911 services in NY & NJ. Eric's professional interests include CBRN Consequence Management, radiological emergencies, spill control and enforcement, and environmental sustainability. He is the former NCEMSF NY Regional Coordinator.

Timothy J. McMichael, NRP

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

Jennifer D. Shoemake, MSN, CRNP

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

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

NCEMSF Leadership Bios

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

Katie Egan, MD, RN

Katie Egan, NCEMSF Human Resources, graduated from the University of Wisconsin with a BSN in 2011 and an MD in 2016. She is currently a Plastic and Reconstructive Surgery Resident at The University of Kansas Medical Center in Kansas City, KS and plans to pursue a career in microsurgical reconstruction. Katie formerly was a Registered Nurse in the Pediatric Intensive Care Unit at the American Family Children's Hospital in Madison, WI. Katie became involved in EMS while in 2006, when she joined her hometown department, the Hazel Green Area Rescue Squad, as an EMT-Basic. Katie founded the University of Wisconsin Police Department First Responders, which began operating as an event response team in 2009. Katie served as Director of the UWPD First Responders from 2009-2011 and worked to advance the service level to a First Responder / Non-transport service.

Nicholas M.G. Friedman

Nick is the Editor-in-Chief of The Journal of Collegiate Emergency Medical Services, the first scholarly publication dedicated to leadership, clinical excellence, and original research in campus-based EMS. A recent graduate of Skidmore College, Nick served as Director of Skidmore College EMS for three years. He has conducted research on the cardiovascular health of first responders and is currently conducting research on clinical care and operations in collegiate EMS. Nick is passionate about promoting evidence-based practice in collegiate EMS and aspires to pursue a career in emergency medicine.

Brittany J. Dingler

Brittany is the Executive Editor for The Journal of Collegiate Emergency Medical Services. She is currently a student in Drexel University's Physician Assistant program (Class of 2019), where she is investigating the role of PAs in mass gathering events as part of her Master's thesis project. She plans to pursue a career as an emergency medicine PA while conducting research in both EMS and emergency medicine. Brittany previously served as both an officer and crew chief for Skidmore College EMS (Class of 2015).

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 now works towards a degree in Medicine from New York Medical College.

Laura Hanson

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

David Afienko

David Afienko, NCEMSF Massachusetts Regional Coordinator, began his collegiate EMS career with Massachusetts Maritime Academy's EMS organization. In 2012, David co-founded MMA EMS and assumed the role of chief. David graduated from MMA in 2013 with a degree in emergency management. He chose to continue his education at the University of Massachusetts-Dartmouth, where he completed a certificate in pre-medical studies. David carries prior experience as an EMS field supervisor, part-time faculty at Northeastern University, and as an ER technician at Tufts Medical Center. He currently attends Touro College of Osteopathic Medicine in New York where he is pursuing his osteopathic medical degree.

Zachary Matuzsan, DO

Zach Matuzsan, NCEMSF Mid-Atlantic Regional Coordinator, began his EMS career in 2007 as a volunteer EMT with the East Windsor Rescue Squad District II in New Jersey. In 2008, as a freshman at Johns Hopkins University, he joined the Hopkins Emergency Response Organization. Zach served as the Equipment Lieutenant in 2010 and as the Operations Lieutenant in 2011. He graduated with a degree in Public Health Studies in 2012 and began medical school at Rowan University's School of Osteopathic Medicine (formerly UMDNJ-SOM) in Stratford, New Jersey. Zach earned his Doctor of Osteopathic Medicine (D.O.) in May of 2016. He is currently an Emergency Medicine resident at the Lehigh Valley Health Network in Allentown, PA.

Lex Martin, RN

Lex Martin has been involved with collegiate EMS since 2012 as 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 with previous experience in Cardiothoracic Surgery and Medical ICU nursing. She also is active on UW Health's Special Pathogens Team and as an American Heart Association CPR instructor for the hospital's Emergency Education Center. She continues to be involved in EMS as a volunteer paramedic for Deer-Grove EMS in Dane County, Wisconsin.

Matthew D. Ricci, MPA

Matt Ricci, 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 has 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 worked in the emergency department at UW Hospital, was a 911 dispatcher, and as a Medicolegal Investigator with the Dane County Medical Examiner's Office. Currently, Lucas is working on his Master's degree in biomedical sciences. In his free time, he enjoys training for triathlons, reading up on the latest medical research, and attending outdoor music events.

NCEMSF Leadership Bios

Kate Marquis, RN, CEN

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

Ryan M. Hay, RN

Ryan Hay, NCEMSF Pennsylvania Regional Coordinator, is a board-certified emergency manager and emergency nurse currently working as the Director of Emergency Preparedness for Lehigh Valley Health Network. He is a Pre-Hospital registered nurse for the City of Bethlehem EMS and serves as a Captain on the Lehigh County Special Operations Team. Ryan graduated with degrees in Political Science and Nursing from DeSales University in 2011 and 2012 respectively. While at DeSales, Ryan co-founded DeSales University EMS, serving as its Director for three years. He is currently pursuing a graduate degree in Population Health Nursing and Emergency Management at Jacksonville State University in Alabama.

Gabe Gan, MPH

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

Tom Renner

Tom Renner, NCEMSF West Regional Coordinator, started his EMS career as an Ocean Lifeguard in Laguna Beach, CA. He later began his collegiate EMS career during his freshman year in 2012 at Johns Hopkins University on the Hopkins Emergency Response Organization (HERO). While on HERO, Tom served as the Equipment Lieutenant and later as the Operations Lieutenant. In 2016, He graduated with a degree in Public Health and a minor in psychology. Tom now attends California State University San Marcos' Post-Bac Pre-med program with hopes of one day becoming an Emergency Physician. Tom also is a member of the International Surf Lifesaving Association (ISLA) and has lifeguarded around the world.



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Schedule Summary

Sunday, February 24, 2019

7:30 AM - 8:30 AM	Continental Breakfast	Ballroom Foyer
8:00 AM - 9:00 AM	Workshop Session 9 (Page 25) Murder! Responding to Traumatic and Unusual Events on Campus Sharks! Jellyfish! And Waves! Oh my! Veterinary Emergencies: A Basic Guide for EMS Personnel Who Should Go First? Medical Ethics and Disaster Triage National Registry: The Nation's EMS Certification EMS Planning for Mass Gatherings Horses and Zebras: Separating Rare from Common Conditions in EMS Resuscitate the Dying Art of the Physical Exam Roundtable: Administrator/Advisor/Medical Director Roundtable: Startup Collegiate Resuscitation Officer Program - Part 1	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 4 King's Garden 5 Benedum Duquesne King's Terrace
9:10 AM - 10:10 AM	Workshop Session 10 (Page 26) Dispelling Myths and Upcoming Topics The OG OD: Deadly Over-the-Counter and Prescription Overdoses Stats: Leveraging Data to Improve Care, Operations, and Retention Rescue and Resuscitation of a Drowning Victim European vs American EMS Going Off-Campus: EM and Technology in International Disaster Pediatric CBRNE Disaster Preparedness and Response My Oh \$%!& Moments Two Years into ALS Care Patient Tracking: Mass Gatherings, MCI, and Everything in Between Roundtable: Emergency Management and Disaster Preparedness Skills Lab: Splinting Musculoskeletal Injuries in the Outdoors Collegiate Resuscitation Officer Program - Part 2	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Duquesne Rivers King's Terrace
10:20 AM - 11:20 AM	Workshop Session 11 (Page 28) Can You Hear the Banjos? Lessons Learned in Rural EMS The Crashing Asthmatic Somebody Hit the 'Lyte: Case Studies in Electrolyte Imbalances Size Matters: Differentiating Large Vessel from Small Vessel Occlusion Healthcare Theater and the Future of EMS Simulations Psychological First Aid Medical Emergencies at 30,000 Feet Pediatric Sepsis Avalanche Safety, Search and Rescue Techniques and Technology Roundtable: Training Skills Lab: All That Elevates isn't a STEMI Collegiate Resuscitation Officer Program - Part 3	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Duquesne Rivers King's Terrace
11:30 AM - 12:30 PM	Workshop Session 12 (Page 30) Heat and Cold Emergencies Approaching the Undifferentiated Shortness of Breath Patient North American Bites and Stings Diabetes: The Highs and Lows Developing Students for the Future of Emergency Services Emergency Management: It's More Than Just ICS Inside The Journal of Collegiate EMS Management of the Potentially Spine Injured Hockey Athlete Things That Go Boom Skills Lab: MCI Tabletop Collegiate Resuscitation Officer Program - Part 4	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Brigade King's Terrace
12:30 PM - 01:00 PM	Conference Wrap-Up	King's Garden 5

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See You Next Year!
February 28-March 1, 2020
Boston, Massachusetts

Schedule Summary

Saturday, February 23, 2019 (Continued)

1:30 PM - 2:30 PM	Workshop Session 6 (Page 16) H2-Ow! Masters of Disguise: The Acutely Altered Patient EMS and Public Health Creating a Protocol for Intoxicated Collegiate Patients Volunteer to Paid - The Journey Russian Roulette - The American Way Suicide and Other Psychiatric Emergencies on Campus Cardiac Trauma: When What You Need Beating, Takes a Beating When Lightening Strikes The Weight of it All: Surviving Vicarious Trauma Roundtable: Administrative Challenges in a Collegiate EMS Agency Skills Lab: Combat Zone Simulation -Mini-Bushmaster American Heart Association Training Center Faculty Course Poster Session Walk Rounds Tour of Pittsburgh River Rescue	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Sterlings 2/3 Benedum Sterlings 1 King's Terrace Ballroom Foyer Lobby
2:40 PM - 3:40 PM	Workshop Session 7 (Page 18) What's on the Line? Fall and Suspension Injuries on Rope A Working Diagnosis from Afar: Mechanism of Injury Revisited Public Access Naloxone What EMS Leaders Can Learn From Six Boldest Presidential Decisions Avengers Assemble! A Perspective on Collegiate EMS Leadership. Gatekeepers to the Mindset of Mental Wellness Overdosing on Overdoses: I Hate 'Junkies' and You Should Too Commotio Cordis Research Says... Leading Through Mentorship: A Collaborative Leadership Approach Roundtable: From Awkward to Awesome: Difficult Dialogues Roundtable: Fundraising and Financing Skills Lab: Prehospital Hocus Pocus- Ultrasound for EMS Skills Lab: Combat Zone Simulation -Mini-Bushmaster American Heart Association Training Center Faculty Course Part 2	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Sterlings 2/3 Duquesne Benedum Rivers Sterlings 1 King's Terrace
3:40 PM - 3:55 PM	Snack Break	Ballroom Foyer
3:55 PM - 4:55 PM	Workshop Session 8 (Page 20) Gnarly Injuries and Broken Bones When Once In A Lifetime Calls Become More Common... Which Way is the Right Way for the Airway? Adult Trauma Assessment - A Systematic Approach Followership: Leadership in Disguise Scene Safety, Leadership & Communication - It's All Connected To Err...Patient Safety in EMS Overcoming the Barriers of Bystander Initiated CPR Penetrating Trauma - A Primer You Took What? Recognizing Toxidromes Roundtable: Building an Alumni Network Roundtable: Innovative Training Strategies and Debriefing Skills Lab: Presenting and Visualizing EMS Data Skills Lab: Combat Zone Simulation -Mini-Bushmaster	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Sterlings 2/3 Benedum Duquesne Rivers Sterlings 1
5:00 PM - 6:00 PM	Plenary Session - Major John P. Pryor, MD Memorial Lecture 5 Questions of Conscience on Patient Care and Leadership	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 - 9:30 PM	Alumni Social and Networking Event	Commonwealth 2
10:00 PM - 2:00 AM	Club NCEMSF and Casino	Kings Garden 4/5

(Sunday on Previous Page)

Schedule Summary

Friday, February 22, 2019

3:30 PM - 10:00 PM	Registration	Ballroom Foyer
5:00 PM - 10:00 PM	Stryker EMS Skills Classic	Ballroom Foyer
5:30 PM - 6:00 PM	How to Make the Most of the Conference Experience	King's Garden 3
6:00 PM - 7:00 PM	Workshop Session 1 (Page 7) It's All Full Underneath the Rug. Click. Click. Boom! A Review of Explosive and Blast Injuries Life Flight Program - A Career Opportunity Funny, You Don't Look Deaf Roundtable: Startup	Grand Ballroom 3 Grand Ballroom 4 King's Garden 4 King's Garden 5 King's Garden 3
7:10 PM - 8:10 PM	Workshop Session 2 (Page 8) Culture Triage: How's Your Agency Doing? Unconventional EMS Support to Law Enforcement Operations Where Does He Get Those Wonderful Toys? Addressing Real Life Fears in Resuscitation Education Panel: Chiefs and Presidents Leadership	Grand Ballroom 3 Grand Ballroom 4 King's Garden 4 King's Garden 5 King's Garden 3
8:20 PM - 9:20 PM	Plenary Session - The Tree of Life Tragedy - What Saved Lives	Grand Ballroom 1
9:15 PM - 1:00 AM	PCOM Welcome Social & Mixer / CPR Challenge	Grand Ballroom 2

Saturday, February 23, 2019

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 - Out of the Crucible: Transforming Combat Casualty Care	Grand Ballroom 1/2
9:25 AM - 10:25 AM	Workshop Session 3 (Page 10) You're Not Progressive, You're Just an Asshole Managing Crashing Patients in the Field - Reducing Mortality <i>SEE ASSOCIATED SPECIAL SKILLS LAB</i> We Need You! Campus EMS Today, Unlimited Opportunities EW! What's That Rash? First Responder Organization (FRO) to Transport Service Fit for Duty Important EMS Research from 2018-2019: Ten Minutes at a Time The Patient Arrested - Evidence-Based Resuscitation in 2019 Throwing Out the Backboard: Evidence-Based Protocols Uberlamps & Ambulyfts: Alternatives to Ambulance Transportation Roundtable: Administrator/Advisor/Medical Director Roundtable: Advertising and Campus Media Skills Lab: Johnny Is Lost: An Introduction to Search and Rescue Skills Lab: The Art of Suturing Skills Lab: Combat Zone Simulation -Mini-Bushmaster	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Sterlings 2/3 Benedum Duquesne Brigade Rivers Sterlings 1
10:35 AM - 11:35 AM	Workshop Session 4 (Page 12) Postpartum Emergencies Sliding Lungs and Shifting Fluid: Indications for Prehospital Ultrasound Sense & Sensitivity: Trauma-Informed Responses to Sexual Assault Love Hurts: When Sex Broke More Than Just My Heart! Recruitment and Retention in EMS See One, Do One, Teach One: Finding Your EMS Mentor The Art of Writing a Compelling Clinical Narrative The ABCs of Anaphylaxis Bringing Stop the Bleed to Your College Campus Body Language for Healthcare Providers Roundtable: EMS Research Design & Execution Panel Roundtable: Technology Skills Lab: The Art of Suturing Skills Lab: Combat Zone Simulation -Mini-Bushmaster	Grand Ballroom 3 Grand Ballroom 4 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Sterlings 2/3 Duquesne Benedum Rivers Sterlings 1
11:45 AM - 12:30 PM	Workshop Session 5 (Page 14) Richard W. Vomacka Student Speaker Competition You'll Never Do That Again!: Simulation in Collegiate EMS Education Pimps, Prostitutes, and Providers The Cost of Caring: Compassion Fatigue Community and Youth Education & Engagement: First-Aid & CPR From Transports to Triage: Applying Ethics to EMS It's Happening on Your Campus: EMS Response to Sexual Assault K2, Spice & Everything: How to Identify Patients on Designer Drugs On the Basis of Gender: A look at Women in EMS Regional Roundtable Discussions	Grand Ballroom 3 Commonwealth 1 Commonwealth 2 King's Garden 1 King's Garden 2 King's Garden 3 King's Garden 4 King's Garden 5 Grand Ballroom 1/2
12:30 PM - 1:30 PM	Lunch On Your Own	

(Continued on Inside Back Cover)