

The Largest EMS-Dedicated Event in the World

# YOUR STORY CONTINUES HERE

**EMSWORLD<sup>®</sup>**  
EXPO

In Partnership With  
**NAEMT**



**Mike McDonough, NREMT-P**  
Paramedic Program Director  
Cuesta College

WHAT'S YOUR EMS STORY?  
SHARE IT WITH US!

**#MYEMSSTORY**

Register by June 15  
and save \$75!  
Use promo code  
**PROGRAM18**

**OCTOBER 29 –  
NOVEMBER 2, 2018**

**NASHVILLE, TN**

**[emsworldexpo.com](http://emsworldexpo.com)**

WORKSHOPS . CONFERENCE . WORLD'S LARGEST EXPO . 5,700+ ATTENDEES . 360+ EXHIBITORS . 50+ COUNTRIES . 260+ CEHs

# PATIENT SAFETY IS YOUR FIRST PRIORITY

IndeeLift: The safe way to lift and transport patients

*"Indeelift is the safest way to pick up a patient for the patient and the provider!"*

— Fire Captain/Paramedic, Kurtis Dickey

Visit booth #348 at EMS World Expo for a live demonstration!

Indeelift protects patients and providers by eliminating manual lifting while providing greater comfort and patient dignity for both lift and transfer needs. Being dragged on a tarp is not only humiliating but dangerous for the patient and provider. Give your patients the respect they deserve and do your back a favor at the same time.

The flagship EMS model (HFL-500-E) weighs-in at only 50 lbs. yet comfortably lifts and transports patients weighing in excess of 500 lb.

## IndeeLift; Bridging the gap between ground and gurney!

**IndeeLift®**  
The Human Floor Lift

[www.indeelift.com](http://www.indeelift.com)  
Designed and built in the USA

These products are covered by one or more patents, including U.S. Patent No. 9,808,388 B2



## The Largest EMS-Dedicated Event in the World

**5,700+**  
Attendees

**360+**  
Exhibitors

**50+**  
Countries

**170+**  
Sessions

**100+**  
Speakers

**260+**  
Approved CEHs

### Everyone's EMS story

**is different**, but at EMS World Expo, EMS professionals from all around the world unite to get the training they need to increase the quality of patient care. With a focus on progressive curriculum and technology, EMS World Expo provides solutions that could save a person's life on your very next shift.

This is one of the best investments you can make—for your career and for the lives of your patients. **Register today:** [emsworldexpo.com](http://emsworldexpo.com).

EMS World Expo is hosted in partnership with the **National Association of Emergency Medical Technicians (NAEMT)**.

**If you want to see the newest products, the latest research, and the greatest speakers and offerings, come to Expo. You won't be disappointed."**

**MIKE K., OREGON**

**Amazing training, CE, exhibits, and networking! Everything we need to promote and enhance EMS as an industry."**

**DENNY B., MISSOURI**

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# YOUR EMS STORY CONTINUES HERE



The best part of my time here at EMS World Expo has been meeting all of the different people. There's people from all over the world. Just seeing different people and talking to them about how they do EMS in their countries has been very interesting.

**Babette Bailey, BSN, RN, CCRN**  
Director of Patient Care Services for  
St. Joseph's Children's Hospital  
President of Florida Neonatal Pediatric  
Transport Network Association (FNPTNA)

WHAT IS  
YOUR EMS  
STORY?

Share it with us!

#MYEMSSTORY

Register today:  
**emsworldexpo.com**

## Back by Popular Demand



October 31–November 2

Now in its second year, the Symposium aims to highlight the most important EMS research of the year from around the world, as well as provide a new venue for EMS providers at all levels to present original peer-reviewed posters and oral abstract sessions. **SEE PAGE 32.**

## Prehospital Emergency Care Procedural Cadaver Lab

Refresh low-frequency, high-risk skills. **SEE PAGE 19.**

## Cardiac Dissection Lab

Get hands-on with scalpels and scenarios.

**SEE PAGE 18.**

## EMS World Clinical Challenge

Test your clinical assessment skills in this unique competition in the Exhibit Hall. Teams of two will respond to challenging, award-winning scenarios focused on critical thinking



skills and teamwork. You will be evaluated by a panel of judges, and there will be prizes for the top performers.

**SEE PAGE 12.**

## New This Year!

### REVENUE & REIMBURSEMENT WORKSHOP

October 31, 1:30 PM–5:30 PM

Come find out how to maximize your revenue and learn about new and creative ways to seek reimbursement for your EMS agency. Experts will be available to answer questions after their short presentations on various topics, ranging from revenue integrity to performance measurement and best practices in clinical documentation.

### Ask the Experts at Expo!

October 31–November 2

Have you always wanted to have a one-on-one conversation with the leaders in your field? Perhaps you need some advice specific to your agency about setting up an MIH/CP program, or you have some questions about how to choose the best personnel management software. Now you can sign up for one-on-one time with an industry expert. Time slots will be 30 minutes long and are available on a first-come, first-served basis by signing up online.

### Complex Coordinated Terrorist Attack (CCTA) Workshop

October 29, 1:00 PM–5:00 PM

The world has seen countless terrorist attacks of varying sizes and degrees. First responders have trained extensively to be prepared for these attacks, but are they preparing for the most complex attacks? In this workshop, choose from a variety of roles such as HazMat Tech, Unified Command, or Rescue Task Force and experience a multi-pronged, simultaneous event terrorist attack drill.

### Yoga for First Responders

Pre-Conference Workshop

October 30, 8:00 AM–12:00 PM

Daily Yoga Practice in the MCC

Wednesday–Friday, 7:00 AM–7:45 AM

Workshop attendees will be introduced to the original intention behind the practice of yoga, why it's specifically beneficial for first responders, and how the misconceptions about yoga have isolated the first responder culture from its practice. How can you take these principles from strategic to tactical and apply them to other skills as well as to your training?

# MAXIMIZE YOUR Education Experience

## Event Schedule

### Workshops

**MONDAY, OCTOBER 29**  
8:00 AM–5:00 PM

**TUESDAY, OCTOBER 30**  
8:00 AM–5:00 PM

**Conference Program**  
**TUESDAY, OCTOBER 30**  
5:30 PM–6:30 PM

**WEDNESDAY, OCTOBER 31**  
8:00 AM–5:30 PM

**THURSDAY, NOVEMBER 1**  
8:00 AM–5:30 PM

**FRIDAY, NOVEMBER 2**  
8:00 AM–2:45 PM

### Opening Ceremonies & Keynote

**WEDNESDAY, OCTOBER 31**  
9:30 AM–11:00 AM

### International Scientific Symposium 2018

**WEDNESDAY, OCTOBER 31–**  
**FRIDAY, NOVEMBER 2**

### Exhibit Hall

**WEDNESDAY, OCTOBER 31**  
11:00 AM–4:30 PM

**THURSDAY, NOVEMBER 1**  
11:30 AM–3:30 PM

**FRIDAY, NOVEMBER 2**  
10:00 AM–1:00 PM

## World Trauma Symposium

This one-of-a-kind prehospital trauma event features more than a dozen timely and compelling prehospital trauma topics from experts renowned for trauma care practice and innovation.



## VUMC Trauma Center Tours



Tour Vanderbilt University Medical Center's Emergency Department and LifeFlight Helicopter Program. Vanderbilt University Medical Center (VUMC) is among the nation's premier institutions of academic medicine. Vanderbilt has the only Level 1 Trauma Center in the area, as well as the only dedicated Burn Center. The adult emergency department sees more than 70,000 patients a year. Vanderbilt LifeFlight, the region's only academic medical center-based critical care transport service, transports more than 3,800 patients each year via air and ground, covering more than 464,435 miles. Tour the adult emergency department, the emergency communications center for LifeFlight, and a LifeFlight helicopter (weather- and volume-permitting). Total tour lasts about 50 minutes. You will ride a shuttle bus over. All tour participants will receive a goodie bag and a T-shirt. Please indicate your T-shirt size when registering. You must attend the tour to receive the goodie bag and T-shirt.

## Nashville Fire Department Agency Ridealongs

Ridealongs add another exciting element to your hands-on education and experience at EMS World Expo. Limited time slots with the Nashville Fire Department are available, so schedule your ridealong today!



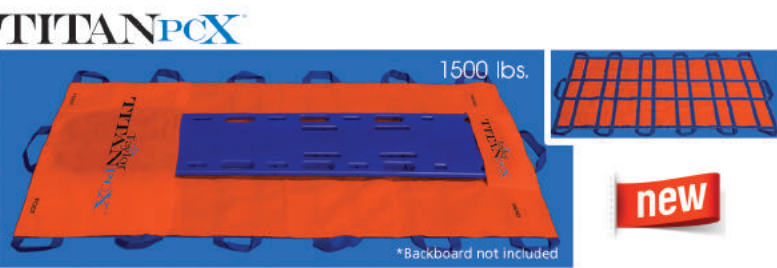
**Taylor**  
Healthcare Products, Inc.

**COLOR CODED  
LIFT CAPACITY™  
STRETCHER SHEETS**



The name to trust...  
the respect every patient deserves.

**TITAN™ Series**



# OPENING CEREMONIES & Keynote

WEDNESDAY, OCTOBER 31  
9:30 AM–11:00 AM

Join us for award presentations followed by our keynote presentations.

## Where Relevant Meets Real-World: An Expert Panel Presents the EMS World Keynote

Moderator: Ed Racht, MD

Our amazing panelists will be revealed in August

Regardless of your role, your organizational affiliation, or your tenure in Emergency Medical Services, one thing is certain: Working in EMS comes with a unique (and sometimes unpredictable) host of risks and new realities that require us to always be prepared. For 2018, EMS World continues its longstanding tradition of covering the most current topics critical to your profession and your practice, and this October, we will bring the latest and most critically important issues to the forefront of the meeting.

In this unique and interactive keynote session, Dr. Ed Racht will moderate a specially hand-picked panel of national experts who will discuss today's hottest and toughest medical and operational topics, including key challenges, top trends, and best practices.

So, who will speak? Panelists will be revealed over four weeks in August. Three hot topics, three of the top experts in our field—this is a must-attend session for every EMS professional looking to stay current. Because being ready is who you are.



## View from the Other Side: A Nurse's Journey Through the Care System

Anne Montera, RN, and Chris Montera, NRP

On the evening of January 3, 2016, RN Anne Montera went to bed not feeling well. When her paramedic husband, Chris, checked on her, Anne wasn't breathing. She had suffered a sudden cardiac arrest. Chris performed CPR, and Anne's daughter called 911. When Anne woke up at the hospital, she was stunned to find that she was being treated for an opiate overdose. Join Anne as she tells the incredible tale of the events surrounding this incident and the lessons learned by all involved. From being belittled by her own medical community and learning how to recover emotionally from the trauma of the event to an incredible twist of fate that put her right back in a similar scenario a year later, you will be riveted by this unforgettable story.



# NASHVILLE, TENNESSEE



STOP BY ZOLL  
BOOTH #601  
TO PICK UP  
YOUR TWO  
FREE DRINK  
TICKETS

FOOD/DRINKS  
LIVE MUSIC  
NETWORKING

# ZOLL SHOCKFEST

WEDNESDAY, OCTOBER 31<sup>ST</sup> 7 P.M.–11P.M.

HARD ROCK CAFÉ  
100 BROADWAY, NASHVILLE

Open to all attendees  
Wear badge for entry

#ZOLLSHOCKFEST

# EXPLORE

the Largest EMS-Dedicated Exhibit Hall in the World

More companies introduce new products and services at EMS World Expo than at any other event. If you buy, specify, or even recommend products for your agency, you need to check out Expo. Nowhere else can you compare so many innovations in one place at one time.

## ACTIVE SHOOTER SIMULATION

**WEDNESDAY, OCTOBER 31**  
12:00 PM–3:00 PM

**THURSDAY, NOVEMBER 1**  
12:00 PM–3:00 PM

Back by popular demand! EMS World Expo is proud to present the 2018 Active Shooter Mass Casualty Incident Demo. Southeast Tactical LLC will give you a crash course in how to mitigate a tactical mass casualty event.

In this Exhibit Hall simulation, participants will have the opportunity to triage and treat multiple patients in a simulated tactical mass casualty event. Participants will first observe proper sift-and-sort procedures with a focus on force protection, then practice those procedures and improve skills in hemorrhage control and tourniquet use, needle decompression, and other wound care methods encountered in this environment. This session will conclude with a short debriefing to discuss challenges encountered while participating in the simulation.

Sponsored by:



### Exhibit Hall Admission includes:

Opening Ceremonies & Keynote Presentation

Free CE in the Exhibit Hall Learning Center

EMS World Expo's Exclusive SimLab

Active Shooter Simulation

ZOLL Shockfest

Ask the Experts at Expo

EMS World Clinical Challenge

### Exhibit Hall Hours

**Wednesday, October 31**  
11:00 AM–4:30 PM

**Thursday, November 1**  
11:30 AM–3:30 PM

**Friday, November 2**  
10:00 AM–1:00 PM

# SIMLAB

**WEDNESDAY, OCTOBER 31**  
12:00 PM–3:00 PM

**THURSDAY, NOVEMBER 1**  
12:00 PM–3:00 PM

**FRIDAY, NOVEMBER 2**  
11:00 AM–1:00 PM



## Get Hands-On in the Exclusive Simulation Lab

Located in the Exhibit Hall, the EMS World Expo Simulation Lab is the go-to place to put your clinical skills to the test and try out the most advanced products and simulators on the market. Work through various scenarios given by the instructor while receiving feedback on your performance. Don't forget to grab your FREE T-shirt for participating!

Sponsored by:



## Ask the Experts at Expo!

One-on-one sessions with an industry expert! Receive advice specific to your agency or get answers to any questions you may have. Time slots will be 30 minutes long and are available on a first-come, first-served basis by signing up online.

**WEDNESDAY, OCTOBER 31**  
11:00 AM–4:30 PM

**THURSDAY, NOVEMBER 1**  
11:30 AM–3:30 PM

**FRIDAY, NOVEMBER 2**  
10:00 AM–1:00 PM

# YOUR EMS STORY CONTINUES HERE



I love the rush of being on the cutting edge of the critical care world and the constant learning that comes with it. EMS is a calling and I'm excited to be one of the few to answer."

Stephanie DeBerry, BSN, RN, CFRN, CEN, CPEN, AEMT



Continue your EMS Story at  
**emsworldexpo.com**

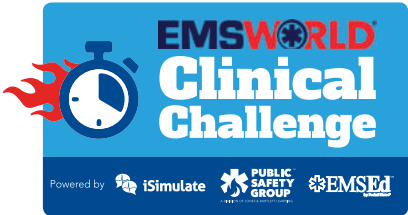
# Are you up to the challenge?

The EMS World Clinical Challenge is a clinical competition where teams of two will respond to challenging scenarios that test clinical knowledge, critical thinking skills, teamwork, communication, and situational awareness. Teams elect to participate in either an ALS or BLS track, depending on their level of certification. A panel of judges will evaluate their performance and provide valuable feedback.

Each participant will receive a 2018 EMS World Clinical Challenge Competitor T-shirt. The top three teams from each track will advance to the finals. The winning team from each track will receive an official award medal and one of the prizes listed below.

- 1st Place:** Travel, lodging, and registration to an international EMS conference in 2019 (value: \$3,000). Location to be announced.
- 2nd/3rd Place:** Apple iPad (value: \$350).

To view rules/regulations or learn more, visit [EMSWorldExpo.com/clinical-challenge](http://EMSWorldExpo.com/clinical-challenge).



**WEDNESDAY, OCTOBER 31**  
12:00 PM–4:00 PM  
Booth #1355  
*Open Competition*

**THURSDAY, NOVEMBER 1**  
12:00 PM–4:00 PM  
Booth #1355  
*Open Competition*

**FRIDAY, NOVEMBER 2**  
10:30 AM–12:30 PM  
Booth #1355  
*Finals with awards to follow*



See the New  
A-390 Camera  
at Booth #1025

## EXHIBIT HALL Free CE in the Learning Center

Sponsored by:  **Gaumard®**  
Simulators for Health Care Education

Enhance your educational experience and earn **FREE CE** when you attend classes in the EMS World Expo Learning Center located in the Exhibit Hall. Classes are open to all conference and Exhibit Hall attendees, but seats are limited and available on a first-come, first-served basis.

### WEDNESDAY, OCTOBER 31

**The One-Minute EMS Preceptor**  
*John Todaro, BA, NRP, RN, TNS NCEE*

**The Future of the EMS Workforce: Hiring, Retention, and Growth**  
*Brian LaCroix; Jay Fitch, PhD*

**Tired of Feeling Like Sleepy the Dwarf? Get a Better Night's Sleep Starting Tonight**  
*Julie Chase, MSED, FAWM, FP-C*

**Can We Talk? EMS Communications in the Age of Social Media**  
*Paul A. Werfel, MS, BS, CIC, NREMT-P*

### THURSDAY, NOVEMBER 1

**So, You Want to be a Rockstar? The Ins and Outs of Creating a Presentation and Submitting to Conferences**  
*Rebecca Valentine, BS, EMT-P, I/C, NCEE*

**Good Documentation + Good Data Collection = Better Patient Care**  
*Brooke Burton, NRP, FACPE*

**How to Keep Caring (and Avoid EMS Toxicity)**  
*Joanne Piccininni, MBA, NRP, MICP*

**Pediatric Pain Management in the Face of an Opioid Crisis**  
*Lisa Drago, DO, FAAP*

### FRIDAY, NOVEMBER 2

**What We Have Here is a Failure to Communicate: Top Communications Tips from Great Leaders**  
*Raphael Barishansky, MPH, MS, CPM*

**Normalization of Deviance: An EMS Leadership Challenge**  
*John Todaro, BA, NRP, RN, TNS NCEE*

**Creative Uses of Capnography in the Out-of-Hospital Setting**  
*W. Scott Gilmore, MD, EMT-P, FACEP, FAEMS*

## Simple to Use. Cutting-Edge.

### Rusch® Airtraq™ SP Video Laryngoscope System

- All-in-one fully disposable laryngoscope blade with guided ETT channel for easy intubation, no stylet needed
- Auto-record capabilities with the Airtraq™ A-390 WiFi Camera allow for download to patient records and playback for training
- Bright LED light and heated anti-fog system for a clear view of the larynx
- Three versatile viewing options include direct view, self-generating WiFi Camera, and SmartPhone Adapter



[teleflex.com/airtraqcamera](http://teleflex.com/airtraqcamera)



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Companies already signed up to exhibit include:

3B Scientific  
5.11 Tactical  
911 Billing Services  
Abbott Point of Care  
ACETECH  
Action Training Systems  
Acuity Link  
Adroit Surgical LLC  
Airon Corporation  
Airspace Monitoring Systems  
Aladtec  
AllCare, Inc.  
AMB - Ambulance Medical Billing  
Ambu  
American Heart Association/  
American Stroke Association  
American Nurses Credentialing  
Center  
Argentum Medical  
ASA Electronics  
Atlantic Safety Products, Inc.  
B-Line Medical  
Benchmade Knife Company  
Binder Lift LLC  
Biomedix-WAI MedSource  
BMK Ventures  
Bound Tree Medical  
Braun Industries, Inc.  
BreakThrough Innovations  
Bridgestone/Firestone Tires  
Butterfly Network  
CAE Healthcare  
Cambridge Sensors USA  
CAPCE  
Cardiac Science  
Cardionics  
Care 2 Innovations  
Center for Domestic Preparedness  
Certa Dose, Inc.  
Check-4-It  
Chinook Medical Gear  
ClorDiSys Solutions Inc.  
Columbia Southern University  
Combat Medical  
CompX Security Products  
Concordance Healthcare Solutions  
Crestline Coach, Ltd.  
CyberLock  
Defibtech  
Demers Ambulances USA  
Digitcare Corporation  
Digitech Computer  
DOD DLA/DPSI  
Dynarex  
Eberspaecher Climate Control  
Systems  
eCore Software Inc.

Edan Instruments, Inc.  
Emergency Products & Research  
(EP&R)  
Emergency Reporting  
Emergent Respiratory  
EMS Technology Solutions  
(Operative IQ)  
EMSAR, Inc.  
emsCharts, Inc.  
ESO Solutions  
EverDixie EMS Supply Co.  
EVS Ltd.  
Excellance, Inc.  
Federal Signal  
FERNO  
First Line Technology  
FirstNet Built by AT&T  
FR Ambulance  
Frazer, Ltd.  
Fujifilm SonoSite  
Gaumard Scientific  
GD  
Genesis PULSE  
Genlantis  
Gerber Outerwear  
Golight, Inc.  
Good Earth Products  
GPS Mobile Solutions, Inc.  
Graham Medical  
Guangzhou Landswick Medical  
Technologies Ltd.  
Guardian EMS Products  
Gulfcoast Ultrasound Institute  
H&H Medical Corporation  
Haix North America  
Halyard Health  
Hartwell Medical, LLC  
Health & Safety Institute  
Health Care Logistics  
HealthCall  
Hi-Tec Intervention Inc.  
Horizon Medical Products  
Hospital Corporation of America  
Hurry Products  
IFSTA/Fire Protection Publications  
ImageTrend  
InfuTronix LLC  
Innovative Tactical Training Solutions  
Integra Connect  
Integrated Rental Services  
Intermedix  
Intersurgical  
Intertek Industrial Corp  
Intrepid Networks  
iSimulate  
Itec Mfg.  
Jamar Health Products, Inc.

Jones & Bartlett Learning Public  
Safety Group  
Karl Storz Endoscopy  
Kemp USA  
Koronis Revenue Solutions LLC  
Kussmaul Electronics Co., Inc.  
Laerdal Medical  
Lenco Armored Vehicles  
Leonhard Lang USA  
Life Line Emergency Vehicles  
Life-Assist  
LifeMed Alaska  
LiquidSpring LLC  
Loli-O's LLC  
Luna Innovations  
Masimo  
Master Medical Equipment  
MED Alliance Group, Inc.  
Med-Tech Resource LLC  
Med-Trans  
Medcognition, Inc.  
Medic-CE  
MedicTests.com  
Medix Safe  
Medline Industries  
Medtronic  
Mercury Medical  
MERET Products  
Microflex/Ansell  
Miller Coach Co., Inc.  
Minto Research & Development, Inc.  
Mobile Power  
Mobility Lifter  
Moore Medical, LLC  
NarrativePRO & RightDose  
Nasco Healthcare  
National Domestic Preparedness  
Consortium  
NCE Battery  
Nonin Medical  
North American Rescue LLC  
Nova Biomedical  
O-Two Medical Technology  
OGSI Oxygen Generating Systems, Inc.  
Omnicell  
OnCourse Learning/Distance CME  
One Beat CPR + AED  
Onspot Automatic Tire Chains  
Osage Ambulances  
Pearson/Brady Publishing  
PerSys Medical  
Philips Medical Systems  
Platinum Educational Group, LLC  
Pocket Nurse

PowerFlare Safety Beacons  
Precision Medical Devices, LLC  
Pulmodyne  
Pulsara  
Qinflow  
Quadmed, Inc.  
QuikClot  
REI Corporate Sales  
Res-Q-Jack Inc.  
Rescue Essentials  
RX Fabrication  
S.T.A.T. Medical Devices LLC  
Safe Life Defense  
Safety Vision  
Salter Labs  
SAM Medical  
Sawvik Buying Group  
Sempermed USA, Inc.  
Simulator Solutions, LLC  
Skedco, Inc.  
Southeastern Emergency Equipment  
Southern Illinois University  
SSCOR, Inc.  
Stryker EMS  
Supermax Healthcare/Aurelia Gloves  
Tactical Medical Solutions, Inc.  
Taylor Healthcare Products  
TCF Equipment Finance  
Technimount System  
Tecniq, Inc.  
Teleflex  
TempTime  
Terason  
The Code Green Campaign  
The REV Group  
Thomas EMS  
TOMAR Electronics  
TransLite, LLC  
TraumaSoft  
TruCorp Ltd.  
USSC GROUP/VALOR Seating  
VAIRKKO  
Vanner Inc.  
VFIS  
Water-Jel Technologies  
Weldon/Class 1 Electronics  
Whelen Engineering Company, Inc.  
Wise Company, Inc.  
World Richman Mfg. Corporation  
XSHEAR  
Z & Z Medical, Inc.  
Ziamatic Corp  
ZOLL Medical Corporation

For the most current listing of exhibitors, visit EMSWorldExpo.com.



NEW THREATS –  
NEW SOLUTIONS

Learn from the best at the World Trauma Symposium

October 30<sup>th</sup>, Nashville, Tennessee

Held in conjunction with EMS World Expo

While new threats challenge the practice of prehospital trauma care and jeopardize the lives of our patients, new solutions are being advanced to help patients survive their trauma injuries.

Learn from the top global experts who are delivering these new solutions at the 2018 World Trauma Symposium.

The program incorporates expert presentations, panel discussions, debates, time for participant questions, the latest trauma technology, and opportunities to network with practitioners and physicians from around the world. Breakfast and lunch included.

Provides 8 hours of CAPCE-accredited CE, CME or nursing CE.

Visit [www.naemt.org/events](http://www.naemt.org/events) for more information.

NAEMT Members! Please join us in Nashville, Tennessee for the  
NAEMT ANNUAL MEETING October 29–November 1, 2018

Take part in the sights and sounds of Music City, sample diverse cuisine, and kick up your heels with old friends. The NAEMT Annual Meeting provides ample time to network with colleagues, interact with association leaders, and socialize in a fun and relaxing environment. Held in conjunction with EMS World Expo, the **NAEMT Annual Meeting is an exclusive event and free of charge to NAEMT members.**

Members can attend NAEMT committee meetings, the General Membership Meeting—where National EMS Awards of Excellence presentations are made—and the very popular member reception.

NAEMT committee meetings are open to all NAEMT members. Committee meetings include Advocacy, EMS 3.0, EMS Disaster Preparedness, EMS Workforce, and Membership and Military Relations. Meetings of the NAEMT Board of Directors, Affiliate Advisory Council, NAEMT Foundation, and NAEMT Faculty will also be held. **Visit [www.naemt.org](http://www.naemt.org) for the latest updates.**



EVENT SCHEDULE

MONDAY, OCTOBER 29

8:00 AM–11:00 AM	NAEMT Board of Directors Meeting
5:30 PM–7:00 PM	International Reception (By invitation)

TUESDAY, OCTOBER 30

11:00 AM–2:00 PM	Affiliate Advisory Council Meeting and Luncheon (By invitation)
5:30 PM–6:45 PM	NAEMT General Membership Meeting and Awards Presentation
6:45 PM–8:30 PM	NAEMT Member Reception (By invitation)

WEDNESDAY, OCTOBER 31

8:00 AM–9:30 AM	EMS Workforce Committee Meeting EMS 3.0 Committee Meeting
2:00 PM–4:30 PM	NAEMT Faculty Meeting (for all NAEMT instructors) NAEMT Faculty Reception (for all NAEMT instructors)
4:30 PM–6:00 PM	EMS Preparedness Committee Meetings

THURSDAY, NOVEMBER 1

8:00 AM–9:30 AM	Membership Committee Meeting Advocacy Committee Meeting Military Relations Committee Meeting
9:30 AM–11:00 AM	NAEMT Foundation Board of Trustees Meeting

Dates and times are subject to change.  
All events are open to all NAEMT members unless otherwise indicated.

NAEMT General Membership Meeting and National EMS Awards of Excellence Presentations

TUESDAY, OCTOBER 30 | 5:30 PM–6:45 PM

The General Membership Meeting brings our association family together for a recap from President Dennis Rowe on the successes and activities of our association, as well as our goals for the coming year. This meeting serves as a forum to thank the NAEMT Board and committees, recognize our corporate partners and volunteers, and honor the outstanding efforts of EMS professionals.

NAEMT Member Reception

Sponsored by Columbia Southern University and the National Registry of EMTs

TUESDAY, OCTOBER 30 | 6:45 PM–8:30 PM

NAEMT members are invited to attend the Member Reception and enjoy the company of fellow members and the complimentary hospitality.

NAEMT Faculty Meeting and Reception

Sponsored by JEMS and Jones & Bartlett Learning

WEDNESDAY, OCTOBER 31 | 2:00 PM–6:00 PM

All NAEMT instructors are invited and encouraged to attend the annual gathering of NAEMT educators. The meeting will include NAEMT education program updates, recognition of outstanding faculty achievements, and an open forum. The meeting will be immediately followed by a reception for all NAEMT faculty.

NAEMT WORKSHOPS

Sponsored by Jones & Bartlett Learning and Journal of Special Operations Medicine

OCTOBER 29 | 1:00 PM–5:00 PM

PHTLS 9th Edition Instructor Update



NAEMT's Prehospital Trauma Life Support (PHTLS) is recognized around the world as the leading program for prehospital emergency trauma care. The PHTLS mission is to promote excellence in trauma patient management. Now in its 9th edition, the PHTLS Instructor Update prepares instructors to teach the revised course.

Members of the NAEMT Prehospital Trauma Committee will review the role of the American College of Surgeons' Committee on Trauma (ACS-COT) in the development of the PHTLS 9th edition; discuss the compendium of changes to the PHTLS textbook; review changes to the course modules, schedule, and learning objectives; explain the purpose and content of the new PHTLS student manual; discuss updates to the PHTLS Military Edition textbook; and present changes to the PHT Committee's TECC and TECC-LEO courses. Current PHTLS instructors who attend the Instructor Update will be qualified to teach the 9th edition PHTLS course.

*The update is designed for current PHTLS instructors. Participants will receive 4 hours of CAPCE-approved credit, and the textbook and instructor materials are included.*

OCTOBER 29 & 30 | 8:00 AM–5:00 PM BOTH DAYS

AMLS Basics



Advanced Medical Life Support (AMLS), our gold-standard course for emergency medical assessment and treatment, is now available at the BLS level. This 16-hour classroom course covers the same materials as AMLS and is specifically designed for emergency medical technicians. The course emphasizes the use of scene size-up, history, interactive group discussion on potential treatment strategies, and physical exam to systematically rule out and consider possibilities and probabilities in treating patients' medical crises.

*Participants will receive 16 hours of CAPCE-approved credit, and the textbook is included.*

OCTOBER 30 | 8:00 AM–5:00 PM

All Hazards Disaster Response



NAEMT's All Hazards Disaster Response (AHDR) course teaches students how to respond to many types of disaster scenarios, including natural disasters and infrastructure failings, fires and radiological events, pandemics, active shooter incidents, and other mass casualty events. AHDR educates participants on how to analyze potential threats in their area, assess available resources, and create a

response plan that will save lives. Students will conduct a "hazards vulnerability analysis" to assess features of their environment that pose risk, along with assessing the needs of vulnerable populations, such as assisted-living residents or hospital patients who need special consideration during such an event. The course culminates with a large-scale mass casualty activity.

*Participants will receive 8 hours of CAPCE-approved credit, and the student manual is included.*

OCTOBER 30 | 7:30 AM–5:00 PM

World Trauma Symposium: New Threats, New Solutions



The theme for the 2018 World Trauma Symposium will be New Threats, New Solutions. The Symposium will include presentations on Pediatric Trauma, Prehospital Coagulopathy, Innovations in TBI Management and Detection, Damage Control Resuscitation (including use of TXA), Building Resiliency to Respond to Trauma, and much more.

*Participants will receive up to 8 hours of CAPCE, CME, or nursing credit. Price includes continental breakfast and lunch.*

MONDAY, OCTOBER 29

8:00 AM–5:00 PM		AMLS Basics*
1:00 PM–5:00 PM		PHTLS 9th Edition Instructor Update*

TUESDAY, OCTOBER 30

7:30 AM–5:00 PM		World Trauma Symposium: New Threats, New Solutions*
8:00 AM–5:00 PM		AMLS Basics*
8:00 AM–5:00 PM		All Hazards Disaster Response

\*Registration required through EMS World Expo. Data and times are subject to change.



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SAVE \$125 ON EXPO 3-DAY  
REGISTRATION

**NAEMT Members:** Select the "Three-Day Core Program NAEMT Member Rate" and provide your membership number to receive your \$125 savings.

**Not an NAEMT Member?** Join NAEMT for \$40 during the EMS World Expo registration process to receive the \$125 savings. Once you receive your member ID from NAEMT, check out the benefits available to you through the Member Portal on the NAEMT website ([www.naemt.org](http://www.naemt.org)). Member benefits include more than 30 top-brand products and services that help you achieve professional and educational goals. Benefits include AD&D insurance, discounts on travel, tactical gear, electronics, and more.

**NOTE:** The discount applies to the Three-Day Core Program individual registration fee only. The discount cannot be used with the Agency or Military Discount Rate, or toward workshop registration fees.

Full-Day Workshops

MONDAY, OCTOBER 29  
8:00 AM–5:00 PM

EMS Patient Safety  
Boot Camp

Lee Varner, MS, EMS, CPPS, EMT-P; Eunice Halverson, MS, CPPS; Kathy Wire, JD, MBA, CPHRM, FASHRM, CPPS

This EMS-specific, hands-on workshop educates attendees on patient safety foundations and theories. The program builds the framework of understanding patient safety, concluding with the development of a customized patient safety plan for attendees.

EMS Supervisor Leadership  
Academy 2.0

Ryan Greenberg, MBA, FACPE, NRP, EMD; Rob Farmer, BSM, EMT-P, FACPE

This full-day leadership academy provides aspiring and new supervisors with several critical skills they need in order to perform in their new role. The workshop is broken up into seven parts, each relating to one of the NEMSMA Seven Pillars of EMS Officer Competencies–Supervisor Officer, and uses hands-on group activities from the academy curriculum.

NAEMSP® Medical Direction  
Overview Course™ (MDOC)

Ritu Sahni, MD

This one-day course is designed to provide participants with information regarding the scope of components of medical oversight activities, their implications, and methods of incorporation into decision-making in EMS systems.



TUESDAY, OCTOBER 30  
8:00 AM–5:00 PM

Creating an Evidence-Based  
Practice for EMS in  
Integrated Healthcare

Matt Zavadsky, MS-HSA, NREMT; Dan Swayze, DrPH, MBA, MEMS; Baxter Larmon, PhD, MICP

We have seen a recent increase of mobile-integrated healthcare and community paramedicine (MIH-CP) programs launched by EMS agencies. Many programs that were initially funded by grant monies now need to find ways to be financially sustainable. This workshop will outline research methods, data capture, and useful metrics related to program funding and patient outcomes.

Handtevy Pre-Hospital Pediatric Instructor Course

Peter Antevy, MD

This CAPCE-certified hands-on and lecture course is intended to certify instructors to teach the Handtevy Pre-Hospital Pediatric Provider Course at their department and earn credit. The course uses the basic tenets of ACLS training as the foundation and focuses on the skills needed to rapidly and accurately treat the sick and injured pediatric patient.

**Note:** Prerequisites include instructor-level certification, 3 years of clinical experience, and a valid ACLS card (or equivalent).



The Teaching Course EMS

Part 1: Fighting for the Spotlight  
Part 2: Scene Safe, Sim Safe

Salim R. Rezaie, MD; Tyler Christifulli, CCP, FP-C, NRP; Julie Derringer, MSN, RN, CEN; Ashley Liebig, BSN, RN, CCRN; Ginger Locke, BA, NRP

The focus of workshop is to provide participants with tools to improve their presentations and simulation activities so that their students will **LEARN MORE** and **LEARN MORE EASILY**. Attendees will come away with new ideas, tips, and techniques that they can immediately put into practice.

9:00 AM–5:00 PM

Pediatric Procedures, Practice & Playtime:  
Hands-On Emergency Anatomy and  
Skills Review

Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P; Lisa DeBoer



This one-of-a-kind, hands-on course was developed to help review and reinforce the essentials of pediatric emergency skills and procedural anatomy. Scalpels and scenarios, paired with step-by-step videos and instructor-guided dissections, allow attendees to experience an unforgettable view of medical and traumatic pediatric emergencies.

**Note:** Emergency skills will be practiced on harvested pig organs. No animals were euthanized for the purpose of this course.

Half-Day Workshops

MONDAY, OCTOBER 29  
1:00 PM–5:00 PM

CCTA: Complex Coordinated Terrorist Attack Workshop

Michael Wright, NREMT-P

The world has seen countless terrorist attacks of varying sizes and degrees, and first responders train in preparation for these attacks. Choose from a variety of roles such as Rescue Task Force, HazMat Tech, or Unified Command and experience a multi-pronged, simultaneous event terrorist attack drill, commonly referred to as a “Complex Coordinated Terrorist Attack.”

TUESDAY, OCTOBER 30

8:00 AM–11:00 AM | 1:00 PM–4:00 PM

Teleflex Prehospital Emergency Care  
Procedural Cadaver Lab

Key opinion leaders, nationally-known EMS medical directors, and EMS providers will serve as faculty for this program.



This session will provide a unique opportunity to review relevant anatomy associated with critical care and lifesaving emergency procedures. Under expert instruction, participants will practice procedural skills, such as basic airway management, direct and video laryngoscope intubation, intraosseous access, and various other emergency procedures.

**Note:** This workshop is intended for ALS providers and above.

Half-Day Workshops

TUESDAY, OCTOBER 30

8:00 AM–12:00 PM &  
1:00 PM–5:00 PM

Active Shooter Workshop

Michael Wright, NREMT-P

During this hands-on, scenario-based workshop, participants will learn how to respond during active-assailant incidents. This 4-hour course provides an introduction to Rescue Task Force (RTF) training for an Active Shooter Mass Casualty Incident (AS/MCI) and is designed to show how responders can work together to implement survivor care and removal from an incident scene using RTF principles.

Point-of-Care  
Ultrasound Workshop

Branden Mieseemer, NRP, FP-C; Jason Bowman, MD, MS, CCEMT-P

This hands-on workshop will teach participants the basics of the Rapid Ultrasound in Shock and Hypotension (RUSH) exam. After learning and practicing the exam in the classroom, participants will put their knowledge to work in a series of high-fidelity simulations.

TUESDAY, OCTOBER 30

8:00 AM–12:00 PM

MCI Moulage: Preparing for the Worst

Bobbie Merica

Join moulage expert and author Bobbie Merica in this hands-on workshop of active shooter/MCI moulage and training application inside an instructional setting. Utilizing CORE techniques to overcome training challenges, participants will gain basic and intermediate wound development training and experience in scenario staging an MCI experience.

Processing Stress and Building Resilience  
Through Yoga

Olivia Kvitne, ERYT 500, YACEP

Attendees will be introduced to the original intention behind the practice of yoga and why it’s specifically beneficial to first responders. This course will also focus on Yoga for First Responders Protocol and how to take those principles from strategic to tactical and apply them to other skills as well as in training.

1:00 PM–5:00 PM

Provider Wellness and Mental Health Symposium

Lee Varner, MS, EMS, CPPS, EMT-P; Olivia Kvitne, ERYT 500, YACEP; Pat Songer, NREMT-P, BS, FACPE; Morgan Anderson, MPH; Monique Rose, NREMT-P, AAS; Tania Glenn, PsyD, LCSW, CCTP

Increasing attention has come to the alarming rate of suicide among EMS providers. Join Pat as he explores the role and importance of leadership during some of our darkest hours. His real-life experiences will give leaders the ability to better understand the behavioral processes that may lead to depression and suicide.



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TUESDAY, OCTOBER 30

5:30 PM–6:30 PM	Civilian Mass Shootings: Is Death from Ballistic Wounds Preventable? Babak Sarani, MD, FACS, FCCM	My Colleagues Killed My Sister and Mother: Why are Medical Errors Still Happening? Robert K. Waddell, II, EMT-P (ret.), BS	Sports TBIs in Kids: What Does the Research Say? Christopher Miles, MD
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WEDNESDAY, OCTOBER 31

8:00 AM–9:00 AM	<div><div><b>INTERNATIONAL SCIENTIFIC EMS SYMPOSIUM</b></div><div><b>FACILITATED BY PCRF</b><div><div><b>PREHOSPITAL CARE RESEARCH FORUM</b></div></div><div></div></div><div><b>Best of 2018 Research: Oral Abstracts Session 1</b><div>Heather Davis, EdD, NRP; David Page, MS, NRP</div></div></div>	<div><b>BLS</b><div><b>On Suffering: The Science of Compassion and Non-Pharmacologic Pain Management</b><div>Blair Bigham, MD, MSc, ACPf</div></div><div><b>Patient Assessment: What You Didn’t Know</b><div>Baxter Larmon, PhD, MICP</div></div></div>	<div><b>ALS</b><div><b>Complex Pelvic Fractures: Management from the Field to Discharge</b><div>Babak Sarani, MD, FACS, FCCM</div></div><div><b>Rapid Sequence Intubation: Avoiding Peri-Intubation Hypoxia</b><div>Jeff Jarvis, MD, EMT-P</div></div></div>	<div><b>CRITICAL CARE</b><div><b>It’s OK to Make a Mistake!</b><div>Kevin Collopy, BA, FP-C, CCEMT-P, NRP, CMTE</div></div></div>	<div><b>PEDS/GERI/SPECIAL POP</b><div><b>Ouchies and Owies: Pediatric Pain Management</b><div>Jonathan Lee, Critical Care Paramedic</div></div><div><b>Special Needs, Special Patients: Tips for Assessment, Treatment, and Transport</b><div>Katherine Koch, MEd, PhD, NRP</div></div></div>	<div><b>EDUCATOR</b><div><b>Less Talk, More Walk: Active Simulation in Training and Education</b><div>Christopher Kroboth, MS, NRP, CCEMT-P</div></div></div>	<div><b>MIH-CP</b><div><b>Behavioral Health in MIH: What Worked in Colorado Springs</b><div>E. Stein Bronsky, MD</div></div><div><b>NAEMT Survey: 5 Things to Know About MIH-CP</b><div>Matt Zavadsky, MS-HSA, NREMT</div></div><div></div></div>	<div><b>LEADERSHIP</b><div><b>How are We Doing? Using Data to Track Trends in the EMS Index</b><div>Brent Myers, MD, MPH</div></div></div>	<div><b>OPERATIONS/MANAGEMENT</b><div><b>Drones, AI, and EMS: How New Technologies Can Save Lives</b><div>Andreas Cleve; Nathan Silberman, PhD; Jarvis Saunders; Michael Nolan, MA, CCP(F)</div></div><div><b>Decrease Your STEMI Door to Balloon Time by 15%</b><div>Paul Banerjee, DO</div></div></div>
	9:30 AM–11:00 AM	<b>OPENING CEREMONIES &amp; KEYNOTE</b>		<b>Where Relevant Meets Real-World: An Expert Panel Presents the EMS World Keynote</b> <div>Ed Racht, MD; Panel to be Announced</div>		<b>View from the Other Side: A Nurse's Journey Through the Care System</b> <div>Anne Montero, RN; Chris Montero, NRP</div>			
11:00 AM–12:30 PM	<b>EXHIBIT HALL 11:00 AM–4:30 PM</b>								
12:30 PM–1:45 PM	<b>LUNCH &amp; LEARN</b>		<b>12:30 PM–1:45 PM</b> <div>Integrating Mental Health Awareness into Department Life</div>		<b>SPONSORED BY</b> <div></div>				
1:30 PM–2:30 PM	<b>REVENUE AND REIMBURSEMENT WORKSHOP 1:30 PM–5:30 PM</b>								
2:30 PM–3:00 PM	<div><b>1:30 PM</b><div>Revenue and Reimbursement Workshop: Opening Keynote</div><div><b>1:45 PM</b><div>Revenue Integrity: How to Make Sure You Can Keep What You Get</div><div>Douglas Wolfberg, JD; Chris Kelly, Esq.</div></div><div><b>2:20 PM</b><div>Payment Reform in Community Paramedicine: It Gets Better</div><div>Matt Zavadsky, MS-HSA, NREMT; Chris Kelly, Esq.</div></div></div>	<div><b>BLS</b><div><b>Going Deep: Dive Medicine for the Prehospital Provider</b><div>Scott Smith, EMT-P</div></div><div><b>The Third Degree: Improving Patient Interview Techniques</b><div>Tracey Loscar, BA, NRP</div></div></div>	<div><b>ALS</b><div><b>Double-Sequential Defibrillation: Are Two Shocks Better Than One?</b><div>Kenneth Navarro, MEd, LP</div></div><div><b>I Don’t Remember Learning This in Class: How to Confidently Manage LVAD Emergencies</b><div>Kimberly Pruett, MD</div></div></div>	<div><b>CRITICAL CARE</b><div><b>High-Risk Obstetrics for the Critical Care Provider</b><div>Keith Widmeier, BA, NRP, FP-C</div></div><div><b>Simplifying Cricothyrotomy: Front of Neck Access (FONA) Made Easier</b><div>Kevin High, RN, MPH, MHPE, EMT</div></div></div>	<div><b>PEDS/GERI/SPECIAL POP</b><div><b>Managing Frequent Fallers: A National Guideline for the UK</b><div>Alison Walker, FIMC RCS, DiplMC RCS, FRCES, MBChB</div></div><div><b>Problems for the Postsurgical Bariatric Patient</b><div>Susan Briggs, FNP-BC, APN, EMT</div></div></div>	<div><b>EDUCATOR</b><div><b>Psychomotor Mastery: How to Teach Our Hands to Move</b><div>Ginger Locke, BA, NRP</div></div></div>	<div><b>MIH-CP</b><div><b>ED/Jail Diversion: Can Your Community Support It?</b><div>Michelle Perin-Callahan, MS, QMHP, EMT</div></div><div><b>Triage of Low-Acuity Patients at Dispatch: A Swedish Model</b><div>Hans Blomberg, MD, PhD; Douglas Spangler, EMT, MSc</div></div></div>	<div><b>LEADERSHIP</b><div><b>A Time for Transformation</b><div>Daniel Gerard, MS, RN, NRP</div></div><div><b>Help! This Job is Killing Me!</b><div>Jeremy Hurd, Chaplain, FF/PM, CISM, Peer Supporter</div></div></div>	<div><b>OPERATIONS/MANAGEMENT</b><div><b>They Said What About Us? Understanding Patient Satisfaction Surveys</b><div>Edward Moreland, NRP</div></div></div>
3:15 PM–4:15 PM		<div><b>3:05 PM</b><div>Clinical Documentation: The Missing Revenue Link</div><div>Douglas Wolfberg, JD</div></div> <div><b>3:50 PM</b><div>Show Me the Money: Identifying Your Revenue Cycle Gaps to Optimize Revenue</div><div>Eric Foust</div></div> <div><b>REVENUE &amp; REIMBURSEMENT WORKSHOP</b></div>	<div><b>BLS</b><div><b>Can We Predict Injury Patterns from Trauma? Using New Technology to Assess and Treat Injuries</b><div>Ed Racht, MD</div></div><div><b>Legal Marijuana: Helpful or Harmful?</b><div>William Krost, MD, MBA, NRPD</div></div></div>	<div><b>ALS</b><div><b>Meet the Medical Directors: Part I</b><div>Corey Slovis, MD, FACP, FACEP, FAAEM, DABEMS; Kenneth Scheppke, MD; Peter Antevy, MD; W. Scott Gilmore, MD, EMT-P, FACEP, FAEMS; Paul Pepe, MD, MPH, FACEP, MCCM, MACP, FAEMS; E. Stein Bronsky, MD; Jeff Jarvis, MD, EMT-P; Neal Richmond, MD; Mark Levine, MD, FACP, FAEM</div></div><div><b>Comprehensive Airway Management in the Prehospital Setting</b><div>R. Darrell Nelson, MD, FACEP, FAEMS</div></div></div>	<div><b>CRITICAL CARE</b><div><b>Using Checklists to Prevent Human Errors in Advanced Airway Management</b><div>David Olvera, AS, NRP, FP-C, CMTE</div></div></div>	<div><b>PEDS/GERI/SPECIAL POP</b><div><b>Magical Salty Water: An Overview of Pediatric Fluid Resuscitation</b><div>Jonathan Lee, Critical Care Paramedic</div></div><div><b>The Trials and Tribulations of Terrible Tot Transports and Their Takeaway Tidbits</b><div>Teri Campbell, RN, BSN, CEN, CFRN</div></div></div>	<div><b>EDUCATOR</b><div><b>Death of the PowerPoint: It’s About Time!</b><div>Gary Heigel, BA, EMT-P</div></div></div>	<div><b>MIH-CP</b><div><b>Emerging Systems of Care for Community Paramedics</b><div>Anne Jensen, BS, EMT-P; Dan Swayze, DrPH, MBA, MEMS</div></div><div><b>International Trends in Community Paramedicine</b><div>Michael Nolan, MA, CCP(F)</div></div></div>	<div><b>LEADERSHIP</b><div><b>How EMS and the Media Can Partner to Tell Stories and Save Lives</b><div>Blair Bigham, MD, MSc, ACPf; Rob Lawrence, MCMI</div></div><div><b>So You Want to Create an Internal Leadership Training Academy?</b><div>Rob Farmer, BSM, EMT-P, FACPE; Ryan Greenberg, MBA, FACPE, NRP, EMD</div></div></div>
		<div><div><b>INTERNATIONAL SCIENTIFIC EMS SYMPOSIUM</b></div></div>	<b>FACILITATED BY PCRF</b> <div><div><b>PREHOSPITAL CARE RESEARCH FORUM</b></div></div> <div></div>		<b>3:15 PM–4:15 PM</b> <div>Best of 2018 Research: Oral Abstracts Session 2</div> <div>Heather Davis, EdD, NRP; David Page, MS, NRP</div>				

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WEDNESDAY, OCTOBER 31

4:30 PM–5:30 PM	EXHIBIT HALL 11:00 AM–4:30 PM								
	REVENUE AND REIMBURSEMENT WORKSHOP 1:30 PM–5:00 PM								
	<b>4:45 PM</b> Revenue Cycle Performance Measurement: Monitoring What Matters Douglas Wolfberg, JD  <b>REVENUE &amp; REIMBURSEMENT WORKSHOP</b>	BLS	ALS	CRITICAL CARE	PEDS/GERI/SPECIAL POP	EDUCATOR	MIH-CP	LEADERSHIP	OPERATIONS/MANAGEMENT
		<b>Where Can Your EMS Career Lead You?</b> Matthew Streger, Esq., MPA, NRP; Lisa DeBoer; Raphael Barishansky, MPH, MS, CPM; Carl Cowan, MS, NRP, CCP-C; Blair Bigham, MD, MSc, ACPf  <b>Storytelling in EMS</b> Gary Heigel, BA, EMT-P	<b>Meet the Medical Directors: Part II</b> Corey Slovis, MD, FACP, FACEP, FAAEM, DABEMS; Kenneth Scheppke, MD; Peter Antevy, MD; Mark Levine, MD, FACEP, FAEMS; W. Scott Gilmore, MD, EMT-P, FACEP, FAEMS; Paul Pepe, MD, MPH, FACEP, MCCM, MACP, FAEMS; E. Stein Bronsky, MD; Jeff Jarvis, MD, EMT-P; Ed Racht, MD; Neal Richmond, MD  <b>What Does This Drug Do Again? A Review of Clinical Pharmacokinetics</b> Daniel Hu, BS, PharmD	<b>Death by Ventilator</b> Charles Sheppard, MD, FACEP, FAAEM  <b>Take a Ridealong with a Helicopter Transport Team</b> Kristopher Thompson, BSN, RN, EMT-P, CCRN, CEN, CFRN, FP-C, TCRN	<b>Geriatric Giants: The Concept of Frailty and Other Hot Geriatric Topics</b> Linda Dykes, MBBS (Hons), FRCCEM	<b>The Next Step in EMS Education: Integrating Simulation-Based Education into Continuing Education Courses</b> Jeff Myers, DO, EdM, EMT-P, FAEMS  <b>National EMS Scope of Practice: What’s New?</b> Kathy Robinson, RN, EMT-P	<b>Mobile-Integrated Healthcare for Fire-Based EMS</b> Michael Wright, NREMT-P  <b>Time for a New Direction? Debating the Role of Medical Direction in EMS</b> Matt Zavadsky, MS-HSA, NREMT; Michael Nolan, MA, CCP(F); Geraint Farr	<b>What Do the Feds Do for EMS? A Roundtable Discussion</b> Anne Montera, BSN, RN; Jon Krohmer, MD; Richard Patrick, MS, EFO, CFO, EMT-P, FF; Mike Poynter, EMT-P  <b>Engaging EMS in the Trauma Center Performance Improvement Process</b> Rob Lawrence, MCMI; Lois Collins, MSN, RN, TCRN; Jared McKinney, MD; Eric Clauss, MSN, RN, EMT-P	<b>Imbangukiragutabara: EMS in the Heart of Africa</b> Stephanie Louka, MD, AEMT  <b>Why ROSC Needs to Die, and Other Performance Measures That Do More Harm Than Good</b> Michael Gerber, MPH, NRP

THURSDAY, NOVEMBER 1

8:00 AM–9:00 AM	DATA AND TECHNOLOGY SUMMIT 7:30 AM–1:00 PM								
	AMBULANCE PURCHASING CONCLAVE 9:00 AM–11:15 AM								
9:15 AM–10:15 AM	<div>7:30 AM Data &amp; Technology Summit: Opening Keynote</div> <div>9:00 AM Implementing New Technology: Don’t Forget About the People, Pt. I</div> <div>James Woodson, MD, FACEP; E. Stein Bronsky, MD</div>	<div>BLS</div> <div>Hot Car Deaths: Managing Heatstroke Ken Bouvier, NREMT-P</div> <div>PTSD and the First Responder Bob Baillie, BA (Hon), PCP, ACP</div> <div>How to Stay Awake Through the 12-Hour Night Shift Curtis Olson, BSN, BA, RN, NRAEMT, CEN</div>	<div>ALS</div> <div>The Role of EMS in ECMO Therapy Stuart McGrane, MB, ChB; Leon Eydelman, MD</div> <div>Hands-On Guided Cardiac Dissection Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P; Lisa DeBoer</div> <div>Excited Delirium: Deadly for Patients and Dangerous for Providers Sean Kivlehan, MD, MPH</div>	<div>CRITICAL CARE</div> <div>Tunnel Vision: Managing the Challenging Airway Brad Garmon, BS, FP-C</div>	<div>PEDS/GERI/SPECIAL POP</div> <div>Controversies in Pediatric Prehospital Care: Ask the Experts Peter Antevy, MD; Paul Pepe, MD, MPH, FACEP, MCCM, MACP, FAEMS; Paul Banerjee, DO; Mark Piehl, MD; Curtis Knoles, MD, FAAP</div>	<div>EDUCATOR</div> <div>Training the Limbic System for High Performance Faizan Arshad, MD</div>	<div>MIH-CP</div> <div>"So I Have this Patient...": Complex Patient Stories Anne Jensen, BS, EMT-P; Shawn Percival, EMT-P, CP-C</div> <div>CAHOOTS: A Medical-Mental Health Model Michelle Perin-Callahan, MS, QMHP, EMT</div>	<div>LEADERSHIP</div> <div>Training Citizens for Emergencies: An Expert Panel Teri Campbell, RN, BSN, CEN, CFRN; Mike Papale; Rob Lawrence, MCMI; Scott Goldberg, MD, MPH, FACEP, FAEMS; Jennifer Chap; Rick Chap; Jimm Dodd</div>	<div>OPERATIONS/MANAGEMENT</div> <div>Scoop and Run or Stay and Stabilize: Comparing International EMS Systems Francis Levy</div> <div>The Five Best Ways to Get Sued and End Up in Court (If That’s Your Thing) Douglas Wolfberg, JD</div>
	<div>9:15 AM What Standards Should Be Used to Build Our Next Ambulance? Ken Holland, NREMT- P</div> <div>10:00 AM How to Mitigate the Risks of Emergent Response David McGowan, MA, ASHM</div>	<div>BLS</div> <div>American College of Surgeons: Bleeding Control Basics (2-Hour Session) Scott Harding, BS, NREMT-P, CIC; Lorenzo Paladino, MD, EMT-P; Andrew Bershad, NREMT-P, CIC; Jimm Dodd</div> <div>Hot Topics: Updates in Burn Care Jocelyn Hills, NP</div>	<div>ALS</div> <div>Beyond Rapid Sequence Intubation: Managing Sedation and Analgesia Through the Continuum of Care Daniel Hu, BS, PharmD</div> <div>Replacing What They’re Losing: Low-Tier Group O Whole Blood for EMS Andrew Fisher, MPAS, PA-C</div> <div>The Most Important Recent Practice-Changing EMS Articles for 2018 Corey Slovis, MD, FACP, FACEP, FAAEM, DABEMS</div>	<div>CRITICAL CARE</div> <div>Ultrasound in the Field: Applications, Utility, and Feasibility Benjamin Smith, MD</div>	<div>PEDS/GERI/SPECIAL POP</div> <div>Prehospital Airway Management in the Child: Insights and Implications Robert Nelson, MD, FACEP, FAEMS</div>	<div>EDUCATOR</div> <div>Conquering the World of Medical Education with FOAMed Salim Rezaie, MD</div>	<div>MIH-CP</div> <div>A Unique Approach to Community Paramedicine on the Reservation Kimberly Pruett, MD</div> <div>Successes and Challenges of Existing MIH/CP Programs Paul Pepe, MD; Peter Antevy, MD; Jessica Banks, RN, EMT-P; Kenneth Scheppke, MD; Juan Cardona, NREMT-P, MPA, CEMSO</div>	<div>LEADERSHIP</div> <div>EMS 3.0 Transformation Update: What’s New This Year? Matt Zavadsky, MS-HSA, NREMT</div> <div>School for Fire and EMS Radicals Steven Knight, PhD; Ian Womack, AFS, BPA</div>	<div>OPERATIONS/MANAGEMENT</div> <div>Working Where the Road Ends: How Did I End Up in Alaska? Tracey Loscar, BA, NRP, FP-C</div>
<div><div>INTERNATIONAL SCIENTIFIC EMS SYMPOSIUM</div><div><div>PREHOSPITAL CARE RESEARCH FORUM</div><div></div></div><div>9:15 AM–10:15 AM Best International Research Presentations (Winners from Other Conferences) David Page, MS, NRP</div></div>									

THURSDAY, NOVEMBER 1

10:30 AM–11:30 AM	<div>10:35 AM</div> <div>Update on the Federal Specification for Ambulances John McDonald</div> <div>10:55 AM</div> <div>The Future of Transporting Children: Pediatric Restraints and New Federal Standards Mark Roberts</div> <div>AMBULANCE PURCHASING CONCLAVE</div>							
	<div>11:00 AM</div> <div>911 Where There is None: How a Text Message-Based Emergency Dispatching System Improved Emergency Services in the Dominican Republic Jason Friesen, MPH, EMT-P</div>	<div>BLS</div> <div>Cadaver Lab Training That Will Blow Your Mind: Slices and Devices Lorraine Jadeski, BSc, MSc, PhD</div> <div>Technical Rescue Environments: What Every Provider Should Know Jeremy Cushman, MD, MS, EMT-P, FACEP, FAEMS</div>	<div>ALS</div> <div>A Resuscitationist’s Guide to Preox and Apox Faizan Arshad, MD</div> <div>Hands-On Guided Cardiac Dissection Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P; Lisa DeBoer</div> <div>What’s the Future of EMS? Kenneth Scheppeke, MD</div>	<div>CRITICAL CARE</div> <div>Is HEAVEN the New LEMONS? David Olvera, AS, NRP, FP-C, CMTE</div>	<div>PEDS/GERI/SPECIAL POP</div> <div>A Potentially Deadly Miss: The Young, Healthy-Appearing Syncope Patient James Davis, EdD, MBOE, RN, EMT-P</div>	<div>EDUCATOR</div> <div>Students Teaching Students: The Peer-to-Peer Tutoring Approach Ehtesham Shariff, MBBS, MD, MBA; Ahmed Azharuddin, MD</div>	<div>MIH-CP</div> <div>Placing a Paramedic in a "Hospital at Home" Service in the UK Geraint Farr</div> <div>Urban Community Paramedicine Panel Michael Wright, NREMT-P; Anne Jensen, BS, EMT-P; Shane Hardwick, EMT-P</div>	<div>LEADERSHIP</div> <div>Keep Your Friends Close and Your Enemies Closer: Interpreting Sun Tzu for the EMS Leader Raphael Barishansky, MPH, MS, CPM</div>
EXHIBIT HALL 11:30 AM–3:30 PM								
11:40 AM–1:45 PM	<div>DATA AND TECHNOLOGY SUMMIT 7:30 AM–1:00 PM</div> <div>11:40 AM</div> <div>Implementing New Technology: Don’t Forget About the People, Pt. II James Woodson, MD, FACEP; E. Stein Bronsky, MD</div> <div>12:40 PM</div> <div>Things That Make You Go, <i>Hmm...</i>: Finding Signals in the Noise of EMS Data Jeff Jarvis, MD, EMT-P</div> <div>DATA &amp; TECHNOLOGY SUMMIT</div>			<div>LUNCH &amp; LEARN</div>		<div>12:30 PM–1:45 PM</div> <div>Unrecognized Respiratory Compromise: Better Clinical Decisions Using Data Scott Bourn, PhD, RN, EMT-P</div> <div>SPONSORED BY</div> <div>Medtronic</div>		
1:00 PM–3:15 PM	<div>EMS SAFETY OFFICER WORKSHOP 1:00 PM–5:45 PM</div> <div>1:00 PM</div> <div>Suicide and the First Responder Pat Songer, NREMT-P, BS, FACPE</div> <div>1:25 PM</div> <div>Thinking About Thinking: Reducing Medical Error Kevin King, MD</div> <div>2:05 PM</div> <div>EMS Safety: A Response-Based Approach Erik Gaull, NRP</div> <div>2:50 PM</div> <div>Rescuing Our Responders: Reducing Risk for Public Safety Employees Bryan Fass, ATC, LAT, CSCS, EMT-P (ret.)</div>				<div>SPECIAL FOCUS: EVENT MEDICINE 2:30 PM–6:00 PM</div> <div>Alive and Well: The Importance of Event Medical Services Connor Fitzpatrick, AEMT, EMS-I</div> <div>Preparing for When Your Mass Gathering Event Becomes a Mass Casualty Incident Matthew J. Levy, DO, MSc, FACEP, FAEMS, NRP</div> <div>From the Deserts to the Seas: Event Medicine Toxicology You Need to Know Ryan Hodnick, DO, NREMT-P, FAWM, FACEP</div> <div>Can You Manage This?!</div> <div>Cases From the World of Event Medicine Asa Margolis, DO, MPH, MS, FACEP</div> <div></div>			
3:15 PM–4:15 PM	<div>EMS SAFETY OFFICER WORKSHOP</div> <div>3:30 PM</div> <div>Processing Stress and Building Resilience Olivia Kvitne, ERYT 500, YACEP</div> <div>3:50 PM</div> <div>What’s the Hurry? Jennifer McCarthy, MAS, NRP, CHSE; Lee Varner, MS EMS, CPPS, EMT-P</div> <div>4:15 PM</div> <div>Clean Cab: Designing Apparatus Around Provider Safety, Health, and Wellness Frank Babinec, MBA, CFO, EFO; Jeremy Hurd, Chaplain, FF/PM, CISM, Peer Supporter</div>							
4:30 PM–5:30 PM	<div>4:50 PM</div> <div>Crew Resource Management for EMS: It’s Not Just for the Aviation Industry Anthony Guerne, MS, NRP, CHSE; Richard Blanchet, BS, MBA, NREMT-P</div> <div>5:25 PM</div> <div>EMS Educators: Gatekeepers to the Mental Wellness Mindset Amy Eisenhauer, EMT</div>							

FRIDAY, NOVEMBER 2

8:00 AM–9:00 AM	<b>BLS</b> <b>Drug-Seeking Patients: The Biology of Their Behavior and Why They Need Compassion</b> Steven Mountfort, BS, CCEMT-P, NCEE; Robert Brandt <b>Myth Busting LIVE! Answering Your Questions with a Real-World EMS Dataset</b> Jeff Jarvis, MD, EMT-P; Scott Bourn, PhD, RN, EM-P	<b>ALS</b> <b>Forensic Cases in ALS Airway Management</b> Paul Werfel, MS, BS, CIC, NREMT-P <b>Important EMS Research from 2017-2018: Ten Minutes at a Time</b> Kenneth Navarro, MEd, LP	<b>CRITICAL CARE</b> <b>Out-of-Hospital Imaging and Treatment Modalities in Ischemic Stroke</b> Branden Miesemer, NRP, FP-C	<b>PEDS/GERI/SPECIAL POP</b> <b>Back to Basics: Emergency Care of Crashing Kids</b> Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P	<b>EDUCATOR</b> <b>Attitude Determines Outcomes: The Importance of Affective Domain Assessment</b> Jennifer McCarthy, MAS, NRP, CHSE	<b>MIH-CP</b> <b>National Guidance for Community Healthcare Programs from the NFPA</b> John Montes, MA <b>Overcoming Resistance: Motivational Interviewing for the MIH-CP</b> Desiree Partain, MHA, CCP-C, CP-C, LP	<b>LEADERSHIP</b> <b>Disrupters in EMS</b> Ed Racht, MD <b>CPR in Schools: Not as Easy as ABC without Enough 123</b> Teri Campbell, RN, BSN, CEN, CFRN	<b>OPERATIONS/MANAGEMENT</b> <b>Global EMS: Who is Doing What, Where, and Why</b> Rob Lawrence, MCMI; Dov Maisel; Linda Dykes, MBBS (Hons), FRCCEM <b>A Perfect Match: How Uniting EMS and Neurointerventionalists Can Drastically Improve Stroke Outcomes</b> Peter Antevy, MD
	<div><div>INTERNATIONAL SCIENTIFIC EMS SYMPOSIUM</div><div>PREHOSPITAL CARE RESEARCH FORUM</div><div></div></div> <div>8:00 AM–9:00 AM Best Evidence or Best Guess? You Be the Judge David Page, MS, NRP</div> <div>9:15 AM–10:15 AM Research Poster Presentation Roundtable David Page, MS, NRP</div>							
9:15 AM–10:15 AM	<b>BLS</b> <b>Motor Vehicle Collisions: On the Highways and Back Roads</b> Ken Bouvier, NREMT-P <b>Driving EMS Forward: A Rockstar Panel of Women in EMS</b> Carissa Caramanis, EMT-B	<b>ALS</b> <b>Top 10 EMS Myths</b> Sean Kivlehan, MD, MPH; Kevin Collopy, BA, FP-C, CCEMT-P, NRP, CMTE <b>Mechanical CPR: A Deadly Simple Procedure?</b> Michael Levy, MD, FAEMS, FACEP, FACP	<b>CRITICAL CARE</b> <b>Demystifying That Bag of Bottles</b> William Krost, MD, MBA, NRP	<b>PEDS/GERI/SPECIAL POP</b> <b>The Panic Zone: Initial Management of Pediatric Arrest</b> Shaun Fix, NRP, PMD <b>Prehospital Care of Children with Special Healthcare Needs</b> W. Scott Gilmore, MD, EMT-P, FACEP, FAEMS; Mark Levine, MD, FACEP, FAEMS	<b>EDUCATOR</b> <b>Best Practices in Test Item Development</b> Mark Terry, MPA, NRP; Donnie Woodyard, MA, NRP, MAML; Dennis Priebe, MA, CAPM <b>See One, Do One, Teach One: Finding Your EMS Mentor</b> Amy Eisenhauer, EMT	<b>MIH-CP</b> <b>Unique Approaches to the Opioid Epidemic: A Panel Discussion</b> Dan Swayze, DrPH, MBA, MEMS; Robert Brandt; Andres Mercado, EMT-P, MA; Ramos Tsosie, NREMT-P, FPC; Nahum Ip, MA, MEd; Michael Dailey, MD, FACEP, FAEMS <b>A Cry for Help: The Other Side of Community Paramedicine</b> Shane Hardwick, EMT-P	<b>LEADERSHIP</b> <b>Bullies, Bigmouths, and Braggarts: Why a Culture of Intimidation is Holding Your EMS Agency Back</b> Dan Batsie, BA, NRP <b>Supervising Former Peers</b> Matthew Streger, Esq., MPA, NRP	<b>OPERATIONS/MANAGEMENT</b> <b>Up in Smoke: Impact of Marijuana in the Workplace</b> Ronald Thackery, JD; Vance Knapp, JD; Darrell Brown, BA; Cindy Tait, EMT-P, RN, MPH <b>FirstNet Possibilities: Dedicated Public Safety Mobile Broadband is Here for EMS</b> Brent Williams, EMT-P
	<b>EXHIBIT HALL 10:00 AM–1:00 PM</b>							
1:00 PM–1:30 PM	<b>BLS</b> <b>Cardiac Arrest: EMTs Saving Lives</b> Michael Dailey, MD, FACEP, FAEMS <b>Ever Considered Medical School? Here's What's Involved</b> Baxter Larmon, PhD, MICP <b>Fluid Resuscitation Without an IV: EMTs Can Treat Shock</b> Kenneth Navarro, MEd, LP	<b>ALS</b> <b>Atrial Fibrillation: Beyond the Basics and What to Watch Out For</b> Jared Ross, DO, FF/EMT-T <b>Going from Audacious to Sagacious: Managing the Difficult Airway</b> Anthony N. Cascio, MS, NRP	<b>CRITICAL CARE</b> <b>ECMO: Transporting the Critical Patient</b> John W. Krantz, III, CC-P, FP-C	<b>PEDS/GERI/SPECIAL POP</b> <b>When Childbirth Goes Wrong: Managing Complications in Field Delivery</b> Joshua Borkosky, BS, FP-C, NRP <b>When Your Golden Years Begin to Tarnish: Geriatrics and EMS</b> Paul Werfel, BS, MS, CIC, NREMT-P	<b>EDUCATOR</b> <b>The Sims: How Human Patient Simulations Can Affect Your Patient Outcomes</b> Lee McMurray, MSN, RN, CEN, CFRN, CMTE, NRP	<b>MIH-CP</b> <b>Canadian Standards Association: Community Paramedic Standard Development</b> Michael Nolan, MA, CCP(F)	<b>LEADERSHIP</b> <b>An Update on the National Coordinated EMS Personnel Database</b> Mark Terry, MPA, NRP; Donnie Woodyard, MA, NRP, MAML	<b>OPERATIONS/MANAGEMENT</b> <b>EMS and Terror Events: All Hazards are Not the Same</b> Jonah Thompson, NRP, CP-C <b>48-Hour Backcountry Survival Challenge: Got Skills?</b> Nathan Morreale, BS, FP-C, NRP; Deborah Witte, RN, CCRN
1:45 PM–2:45 PM	<b>BLS</b> <b>Check It Off: How to Ensure the Best Patient Care by Using EMS Checklists</b> William Toon, EdD, NRP <b>Kneecap Dislocation or Knee Dislocation? Big Difference</b> Michael Dailey, MD, FACEP, FAEMS <b>The Great ALS vs. BLS Debate</b> Maggie Adams, BBA	<b>ALS</b> <b>A Researcher's Rite of Passage: How to Get Your First Scientific Poster Accepted</b> Linda Dykes, MBBS (Hons), FRCCEM <b>Making a Difference in the Management of Acute Pain</b> Bill Lord, BHLthSc, GDipCBL, MEd, PhD	<b>CRITICAL CARE</b> <b>Intubation Doesn't Stop at the Vocal Cords: Tips and Troubleshooting from Ambulance to ICU</b> Leon Eydelman, MD	<b>PEDS/GERI/SPECIAL POP</b> <b>Tattoos, Tongues, Teens &amp; Trauma: Body Art Myths vs. Research Realities</b> Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P	<b>EDUCATOR</b> <b>60 Top Tips for Educators in 60 Minutes</b> Rommie Duckworth, LP	<b>MIH-CP</b> <b>Community Paramedicine: Overview of the Alameda Project and a Financial Model for Your Program's Success</b> Daniel Gerard, MS, RN, NRP <b>Closing the Value Loop: The Integrated Part of MIH-CP</b> Jonah Thompson, NRP, CP-C	<b>LEADERSHIP</b> <b>Bidding for Your Own EMS Agency</b> Ian Womack, AFS, BPA; Steven Knight, PhD <b>Stop Blaming Volunteers: 10 Public Safety Leadership Pitfalls and How to Avoid Them</b> Dan Batsie, BA, NRP	<b>OPERATIONS/MANAGEMENT</b> <b>Saving Our Providers: Occupational Risks Among EMS Personnel</b> Brian Maguire, DrPH, MSA, EMT-P <b>Can You Hear Me Now? How Current Healthcare Communication Practices Cause Deadly Mistakes and How to Solve Them</b> James Woodson, MD, FACEP; Brandon Means, RN, LP, CFRN, CCRN; Lee Varner, MS EMS, CPPS, EMT-P

Continuing Education Credit/Certificates of Attendance

This continuing education activity has been approved by the Commission on Accreditation for Prehospital Continuing Education (CAPCE). CAPCE-approved classes are accepted by the National Registry of EMTs (NREMT) for recertification requirements. One CE credit is given per one-hour class. Attendees can earn 4 credits while taking while taking the half-day workshops and 8 credits for the full-day workshops. There is no limit on how many CE credits attendees can earn at EMS World Expo. If you have questions or concerns, please



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Attendees can earn critical care CE appropriate for FP-C® for sessions during the 3-day core program and the Pittman course being hosted by IAFCCP from October 29–30. Attendees can earn community paramedic CE appropriate for CCP-C® recertification for sessions during the 3-day core program and the “Creating an Evidence-Based Practice for EMS in Integrated HealthCare” workshop on October 30. If you have questions or concerns, please call 770-979-6372 or email info@iafccp.org.



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CONFERENCE PROGRAM

TUESDAY, OCTOBER 30

5:30 PM–6:30 PM

BLS Civilian Mass Shootings: Is Death from Ballistic Wounds Preventable?

*Babak Sarani, MD, FACS, FCCM*  
Trauma surgeon Babak Sarani draws upon patient cases and his own experiences in the operating room to review the basic principles of ballistics. What are the most common causes of death following civilian public shooting events? Dr. Sarani will review the only study published to date that describes causes of death and the incidence of potentially preventable deaths following these events. Changes in operating procedures and strategies that may mitigate deaths following active shooter events will also be discussed.

OPERATIONS/MANAGEMENT My Colleagues Killed My Sister and Mother: Why are Medical Errors Still Happening?

*Robert K. Waddell, II, EMT-P (ret.), BS*  
In 1982 and again in 2002, medical errors were responsible for the deaths of the presenter's sister and mother. The 20-year separation of occurrences not only reinforced the reality that healthcare providers of all levels are responsible for no less than 90,000 fatalities per year, but that most are preventable. This presentation will address the Institute of Medicine's "To Err is Human" findings, from the actions of providers to the families they devastate.

PEDS/GERI/SPECIAL POP Sports TBIs in Kids: What Does the Research Say?

*Christopher Miles, MD*  
The Childress Institute has been studying youth sports and the incidence and impact of concussions. This session will review current concussion research and its application to athletes who may be cared for by EMS and include discussion of multiple sports, how EMS should manage and evaluate these injuries, and future directions of research and care.

WEDNESDAY, OCTOBER 31

8:00 AM–9:00 AM

MIH-CP Behavioral Health in MIH: What Worked in Colorado Springs

*E. Stein Bronsky, MD*  
This session will teach participants how to launch a multidisciplinary integrated emergency mobile behavioral health unit that has consistently proven to disposition patients from the field to definitive care. Providers will learn how to successfully launch and sustain one of these units and what pitfalls to avoid when implementing one in your community.



ALS Complex Pelvic Fractures: Management from the Field to Discharge

*Babak Sarani, MD, FACS, FCCM*  
Join trauma surgeon Babak Sarani as he leads a discussion of the various presentations, management, and treatments of traumatic pelvic injuries. This session will review the main mechanisms of injury that result in complex pelvic fractures, associated injuries, and the fundamentals of resuscitation and management of these injuries.

OPERATIONS/MANAGEMENT Drones, AI, and EMS: How New Technologies Can Save Lives

*Andreas Cleve; Nathan Silberman, PhD; Jarvis Saunders; Michael Nolan, MA, CCP(F)*  
Project Lifesaver is a community-based nonprofit organization that provides law enforcement, fire/rescue, and caregivers with a program designed to protect and quickly locate people with cognitive disorders who are prone to wandering. This session will provide an overview of the program as well as the introduction and use of our tracking drone to locate individuals and bring them safely home.

OPERATIONS/MANAGEMENT Decrease Your STEMI Door to Balloon Time by 15%

*Paul Banerjee, DO*  
According to the *Wall Street Journal*, if you have a heart attack in a hospital, it's safer to go outside and call 911 from the parking lot. Why? Because there's a process for EMS. Unfortunately, half of STEMI patients come to the hospital by other means. In this session, Dr. Paul Banerjee walks through how one hospital decreased their DTB times by 15%, with greater results on the horizon.

LEADERSHIP How are We Doing? Using Data to Track Trends in the EMS Index

*Brent Myers, MD, MPH*  
California, Washington, and the EMS Compass initiative have all published core measures for EMS agencies and systems to evaluate themselves against. Well, how are we doing? This session will explore performance against a national benchmark group of more than 1,000 agencies and 10 million records. Opportunities for improved data collection will be discussed along with how your agency can see how you measure up.

CRITICAL CARE It's OK to Make a Mistake!

*Kevin Collopy, BA, FP-C, CCEMT-P, NRP, CMTE*  
We have all done it; we made an error! In the era of time-sensitive emergencies, it's important to understand that mistakes occur. This presentation will take you through the time-sensitive emergencies of stroke, STEMI, sepsis, and trauma, and share with you the evidence-based over-triage goals set by the American College of Surgeons, American Heart and Stroke Associations, and several research papers.



EDUCATOR Less Talk, More Walk: Active Simulation in Training and Education

*Christopher Kroboth, MS, NRP, CCEMT-P*  
How does one use simulation and stratified debriefing to help close the loop on foundational paramedic education? This presentation will explain how to help students build their Rolodex of experience through active simulation with real-time metrics and hands-on training. This approach to paramedic education can be applied to any EMS classroom ranging from continuing education and staff meetings to medical director QA/QI remediation.

MIH-CP NAEMT Survey: 5 Things to Know About MIH-CP

*Matt Zavadsky, MS-HSA, NREMT*  
Has your agency considered implementing a MIH-CP program? This session will help you make that decision (or change it). You'll learn the key findings of NAEMT's most recent survey on MIH-CP programs. Important questions are addressed, and this session will walk participants through the results and provide a deep understanding of the implications for the future of EMS.



BLS On Suffering: The Science of Compassion and Non-Pharmacologic Pain Management

*Blair Bigham, MD, MSc, ACPf*  
I always thought I was a compassionate paramedic. Then, I ended up in the back of an ambulance—as a patient. My experience on the other side of the fence led me to study suffering, pain, and the ways we can alleviate both. Psychological research shows there are very specific elements of an interaction that lend authenticity to conveying compassion, which can remarkably reduce a person's suffering—more than morphine and ketamine, in many cases. But with compassion fatigue, paramedics can't be expected to be perfect; however, we can use the science of compassion to appear compassionate even when we're struggling ourselves.

PEDS/GERI/SPECIAL POP Ouchies and Owies: Pediatric Pain Management

*Jonathan Lee, Critical Care Paramedic*  
Prehospital pediatrics can be challenging at the best of times, and no one wants to see a child who hurts. Please join me for a uniquely pediatric approach to assessing and managing pain. Topics include a framework for understanding pain, methods for evaluating pain, as well as narcotic, non-narcotic, and non-pharmaceutical approaches to pain management.

BLS Patient Assessment: What You Didn't Know

*Baxter Larmon, PhD, MICP*  
Primary training only taught you the basics of physical exams. Dr. Larmon has been training medical students' physical exams for years. Many techniques, signs, and symptoms could be easily performed and understood by EMS providers. Come learn something new that will truly change your practice.

The 2018 recipient of the **Dick Ferneau Career EMS Service of the Year Award** will be announced during the Opening Ceremonies. Join us! Wednesday, October 31<sup>st</sup> at the Music City Center from 9:30–11:00 a.m.

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Opening Ceremonies & Keynote

WEDNESDAY, OCTOBER 31  
9:30 AM–11:00 AM

Where Relevant Meets Real-World:  
An Expert Panel Presents the EMS  
World Keynote

Moderator: Ed Racht, MD

Panelists to be announced in August

In this unique and interactive keynote session, Dr. Ed Racht will moderate a specially hand-picked panel of national experts who will discuss today's hottest and toughest medical and operational topics, including key challenges, top trends, and best practices.

So, who will speak? Panelists will be revealed over four weeks in August. Three hot topics, three of the top experts in our field—this is a must-attend session for every EMS professional looking to stay current. Because being ready is who you are.

View from the Other Side: A Nurse's  
Journey Through the Care System

Anne Montero, RN; Chris Montero, NRP

On the evening of January 3, 2016, RN Anne Montero went to bed not feeling well. When her paramedic husband, Chris, checked on her, Anne wasn't breathing. She had suffered a sudden cardiac arrest. Chris performed CPR, and Anne's daughter called 911. When Anne woke up at the hospital, she was stunned to find that she was being treated for an opiate overdose. Join Anne as she tells the incredible tale of the events surrounding this incident and the lessons learned by all involved. From being belittled by her own medical community and learning how to recover emotionally from the trauma of the event to an incredible twist of fate that put her right back in the same scenario a year later, you will be riveted by this unforgettable story.

ALS Rapid Sequence Intubation: Avoiding  
Peri-Intubation Hypoxia

Jeff Jarvis, MD, EMT-P

Rapid Sequence Intubation (RSI) is a common practice in EMS systems across the nation. Most systems are aware that they should be tracking their intubation success rates, but many are unaware of what is happening during the intubation attempts. Recent data has made it clear that there is a high incidence of hypoxia, bradycardia, and even cardiac arrest during paramedic RSI. Dr. Jarvis will explain the data behind these events, their very real clinical consequences, and a bundle of care that has been implemented in his systems to solve these problems.

PEDS/GERI/  
SPECIAL POP Special Needs, Special Patients: Tips for  
Assessment, Treatment, and Transport

Katherine Koch, MEd, PhD, NRP

Whether it's an acute exacerbation of a chronic problem or an unrelated medical or trauma situation that impacts care, patients with long-term special needs and disabilities can pose special challenges. This session will provide an overview of several chronic conditions—including autism, cerebral palsy, language disorders, spina bifida, intellectual disabilities, and sensory deficits—as well as suggestions for facilitating communication with patients and family members.

12:30 PM–1:45 PM

LUNCH AND LEARN Sponsored by **IMAGETREND®**  
Integrating Mental Health Awareness into Department Life

**Note:** Pre-registration is required; additional registration fee of \$10 for 3-day core program attendees.

2:30 PM–3:00 PM

LEADERSHIP A Time for Transformation

Daniel Gerard, MS, RN, NRP

The dawn of a new era of healthcare delivery systems begs for innovative models to couple with the light-speed advances in medical technology. EMS is perfectly positioned but, in many cases, less than perfectly poised to integrate into and support the future of healthcare delivery in the ACO environment. Forward-thinking insight by federal and state leaders, as well as progressive thinking in specific well-positioned EMS agencies, will guide us into the future.

ALS Double-Sequential Defibrillation: Are Two  
Shocks Better Than One?

Kenneth Navarro, MEd, LP

Patients with recurrent or refractory VF represent a challenge for EMS providers in the field. As long as fibrillation is present, terminating resuscitation efforts in the field is inappropriate. Double-sequential or dual defibrillation may offer a therapeutic solution to terminating VF and achieving ROSC when standard defibrillation techniques fail. This presentation will examine the physiology of refractory and recurrent ventricular fibrillation and the latest evidence surrounding double-sequential defibrillation.

MIH-CP ED/Jail Diversion: Can Your Community Support It?

Michelle Perin-Callahan, MS, QMHP, EMT

With more than three decades working with and within public safety, Oregon-based CAHOOTS (Crisis Assistance Helping Out on the Streets) has a wealth of knowledge about the resources and partners available in local communities. These medical/mental health professionals have learned to tap into what their community has to offer while taking the burden of finding these solutions off of public safety. This presentation will assist audience members with designing an outline for identifying their own community resources to support the mission of emergency department and jail diversion.



BLS Going Deep: Dive Medicine for the Prehospital Provider

Scott Smith, EMT-P

This presentation will cover how to evaluate a potentially injured diver with common problems ranging from equipment awareness to minor and major injuries. Barotrauma, immersion pulmonary edema, strains on the heart causing cardiac problems, and decompression illness will all be discussed. This gripping presentation will conclude with real-world case presentations and how to evaluate for a potential dive injury.

LEADERSHIP Help! This Job is Killing Me!

Jeremy Hurd, Chaplain, FF/PM, CISM, Peer Supporter

This session will focus on the stress and trauma faced by first responders and provide a strategy for recognizing the dangers, preventing exposure, and handling the effects of the endured trauma. The presentation will include an open-ended discussion regarding Post-Traumatic Stress and how to turn that into Post-Traumatic Growth. Additionally, there will be a brief overview of how to recognize the issues in ourselves and others and how to get the appropriate level of help based on the needs of the individual.

CRITICAL CARE High-Risk Obstetrics for  
the Critical Care Provider

Keith Widmeier, BA, NRP, FP-C

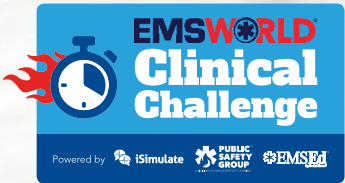
Interfacility obstetric transports can be some of the most high-stress calls seen by critical care transport providers. This course reviews the reasons why patients are transported from one facility to another, the diagnostics that should be evaluated before and during transports, and the pharmacology that is unique to these situations. The risks and benefits of transport and how to manage the high-risk obstetric patient will also be discussed.



ALS I Don't Remember Learning This in Class: How to  
Confidently Manage LVAD Emergencies

Kimberly Pruett, MD

There is an increasing number of patients in our country who are receiving LVAD for heart failure, either as a bridge to heart transplant or "destination therapy." LVADs are most commonly used in a chronically ill patient population, and as EMS providers, we will see more and more of these patients and as well as an increase in LVAD use. This session will present real-world case studies to review the assessment and management of common LVAD emergencies, including hypotension, chest pain, dyspnea, and arrhythmia.



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# 2018 International Scientific Symposium

Facilitated by the Prehospital Care Research Forum at UCLA

**WEDNESDAY, OCTOBER 31**

8:00 AM–9:00 AM & 3:15 PM–4:15 PM  
**Best of 2018 Research: Oral Abstract Sessions 1 & 2**

**THURSDAY, NOVEMBER 1**

9:15 AM–10:15 AM  
**Best International Research Presentations**

3:15 PM–4:15 PM  
**Best of 2018 Research: Oral Abstract Session 3**

**FRIDAY, NOVEMBER 2**

8:00 AM–9:00 AM  
**Best Evidence or Best Guess? You Be the Judge**

9:15 AM–10:15 AM  
**Research Poster Presentation Roundtable**

Attendance included in core program registration.

PEDS/GERI/  
SPECIAL POP

**Managing Frequent Fallers: A National Guideline for the UK**  
*Alison Walker, FIMC RCS, DipIMC RCS, FRCEM, MBChB*  
The UK JRCALC Guidelines are the basis for paramedic training and education in the UK. This presentation focuses specifically on the development of the national guideline on the assessment and clinical management of medical and trauma conditions in the older person.

PEDS/GERI/  
SPECIAL POP

**Problems for the Postsurgical Bariatric Patient**  
*Susan Briggs, FNP-BC, APN, EMT*  
There is growing interest in surgical intervention to help people lose weight, but such procedures can have many postoperative complications. Typically, patients are discharged within 24 hours after surgery. This session will look at the types of surgeries that are on the rise, problems to watch for, and how to care for them when they occur.

EDUCATOR

**Psychomotor Mastery: How to Teach Our Hands to Move**  
*Ginger Locke, BA, NRP*  
Once we've reached psychomotor competence in the lab, how can we be sure we will have peak performance in stressful "wicked" environments? In this session, Ginger Locke will detail how she and her colleagues teach psychomotor skills. Some topics covered include how to develop a task analysis, the neuroscience behind muscle memory, and why prompt expert feedback is essential.

CRITICAL CARE

**Simplifying Cricothyrotomy: Front of Neck Access (FONA) Made Easier**  
*Kevin High, RN, MPH, MHPE, EMT*  
Few procedures in prehospital medicine are as rare, high-consequence, and generate as much angst as cricothyrotomy. This presentation covers the history, indications, and complications of the procedure along with a look at the literature surrounding it. Several methods of cricothyrotomy, including FONA, as well as highlighting the SloMo technique and the pearls/pitfalls of each will be discussed.

BLS

**The Third Degree: Improving Patient Interview Techniques**  
*Tracey Loscar, BA, NRP*  
Incorporating good interview techniques can make a significant difference in treatment decisions. Communication can diffuse potentially violent encounters and improve cooperation with patients, families, and bystanders. The presenter will teach attendees how to tailor their interviews and relate information in a manner that will improve their ability to provide quality care.

OPERATIONS/  
MANAGEMENT

**They Said What About Us? Understanding Patient Satisfaction Surveys**  
*Edward Moreland, NRP*  
Quality, quality, quality: EMS providers and healthcare leaders have been hearing about quality for many years from Medicare. In some cases, quality is measured through patient satisfaction surveys, a tool that has been used by hospitals for many years. Join us for an interactive approach to discover how we can incorporate EMS patient satisfaction into our organizations, and what impact it may have on our systems.

MIH-CP

**Triage of Low-Acuity Patients at Dispatch: A Swedish Model**  
*Hans Blomberg, MD, PhD; Douglas Spangler, EMT, MSc*  
The current clinical practice of nurses working at the EMD centers in Uppsala, Västmanland, and Sörmland regions in Sweden is to triage patients without emergency care needs to alternative forms of healthcare. In a two-year project funded by the Swedish Innovation Agency (Vinnova), models are being developed to predict a number of patient outcomes that can provide dispatch nurses with a nuanced picture of an individual patient's prognosis and necessary level of care. Hans Blomberg, medical director and co-creator of the current decision support system, will provide a high-level overview of the expansive scope and vision of the EMD center as a hub for many types of healthcare resources. Douglas Spangler, project manager at the Uppsala Ambulance Service, will describe the ongoing research and how statistical models can be used to improve the predictive value of triage decisions made at EMD centers.

## 3:15 PM–4:15 PM

BLS

**Can We Predict Injury Patterns from Trauma? Using New Technology to Assess and Treat Injuries**  
*Ed Racht, MD*  
New technologies such as vehicle telemetry data can give EMS a much more complete picture of a crash scene or of injury patterns. In this session, Dr. Racht will help attendees apply knowledge of injury patterns to their treatment of patients and discover how technology can be harnessed to improve patient care.

ALS

**Comprehensive Airway Management in the Prehospital Setting**  
*R. Darrell Nelson, MD, FACEP, FAEMS*  
For years, airway management has been synonymous with intubation, but airway management incorporates the entire sequence from establishing a patent airway to endotracheal intubation. This course will emphasize proper patient positioning as the foundation for proper airway management, including the position a provider should assume relative to the patient. Dr. Nelson will explore all facets of proper pre-oxygenation, including novel uses of the nasal cannula, combinations of masks and other airway adjuncts to increase FiO2, non-invasive positive pressure ventilation, RSI drug-assisted airway, apneic oxygenation, and the use of ketamine.

EDUCATOR

**Death of the PowerPoint: It's About Time!**  
*Gary Heigel, BA, EMT-P*  
It's easy to talk about "flipping the classroom," but how do we break from our usual approach and change what happens in our classrooms? Classroom dynamics have been studied for decades, but how does that apply in EMS education? EMS instructors are experts in understanding what works with our students, and this interactive session will tap into our collective experiences of what works to improve the performance of your students.

MIH-CP

**Emerging Systems of Care for Community Paramedics**  
*Anne Jensen, BS, EMT-P; Dan Swayze, DrPH, MBA, MEMS*  
Community paramedics (CPs) need to navigate their patients through more than just the healthcare systems. Based on the successful evaluations from last year's conference, CP pioneers Anne Jensen and Dan Swayze return to introduce three new systems of care that community paramedics need to understand: drug and alcohol recovery, food security, and income subsidy programs.

LEADERSHIP

**How EMS and the Media Can Partner to Tell Stories and Save Lives**  
*Blair Bigham, MD, MSc, ACPf; Rob Lawrence, MCMI*  
Storytelling regained prominence in medical education with the establishment of problem-based learning (PBL), but the role of storytelling can expand beyond PBL and onto the laptop and smartphone screens of those we seek to reach—learners, patients, or the public. This session describes the foundations of a good story, and participants will leave with an introduction to interacting with media, including interview tips, how to brainstorm story ideas, and how to pitch a story to local media.

MIH-CP

**International Trends in Community Paramedicine**  
*Michael Nolan, MA, CCP(F)*  
This presentation will overview the current landscape of Community Paramedic initiatives around the globe, with a particular focus on program design and best practices.

BLS

**Legal Marijuana: Helpful or Harmful?**  
*William Krost, MD, MBA, NRP*  
Marijuana occupies a strange place in our society. It is an illegal recreational drug (in most states), and a unique herbal medication believed by many to hold great potential benefit for treating of a variety of illnesses. We will also discuss the role of EMS and medicine in the ever-changing marijuana movement.

PEDS/GERI/  
SPECIAL POP

**Magical Salty Water: An Overview of Pediatric Fluid Resuscitation**  
*Jonathan Lee, Critical Care Paramedic*  
Several years ago, my practice changed to strictly pediatrics. Before that happened, my view of pediatrics was that children were little adults. In this session, I will share what I do differently now and answer questions, including: What are the pediatric-specific indicators of perfusion and volume status? What are some of the special considerations in fluid resuscitation? When is fluid harmful?

ALS

**Meet the Medical Directors: Part I**  
*Corey Slovis, MD, FACP, FACEP, FAAEM, DABEMS; Kenneth Schepke, MD; Peter Antevy, MD; W. Scott Gilmore, MD, EMT-P, FACEP, FAEMS; Paul Pepe, MD, MPH, FACEP, MCCM, MACP, FAEMS; E. Stein Bronsky, MD; Jeff Jarvis, MD, EMT-P; Neal Richmond, MD; Mark Levine, MD, FACEP, FAEMS*  
Join EMS medical directors from around the nation for a discussion of critical issues impacting clinical and operational practice. This panel presentation will be led by Dr. Paul Pepe, host and program coordinator of the "Gathering of Eagles" conference, which has become one of the most progressive and important EMS educational events worldwide. Dr. Pepe will provide an update on the hottest topics discussed at this year's meeting, plus new trends in prehospital medicine that will impact your practice tomorrow. Bring your questions for this exclusive chance to address some of the most progressive clinical leaders in the country.

LEADERSHIP

**So You Want to Create an Internal Leadership Training Academy?**  
*Rob Farmer, BSM, EMT-P, FACEP; Ryan Greenberg, MBA, FACPE, NRP, EMD*  
This course will discuss how to set up your own leadership training academy and identify some of the key components to consider when creating a course outline. We will discuss the importance of integrating different departments when training your new leaders and the benefits of creating a hands-on program. We will also cover some of the obstacles you may face during development and where to find resources to help ensure your program's success.

PEDS/GERI/  
SPECIAL POP

**The Trials and Tribulations of Terrible Tot Transports and Their Takeaway Tidbits**  
*Teri Campbell, RN, BSN, CEN, CFRN*  
Quite frankly, we need to learn from the mistakes of others because we simply won't live long enough to make them all ourselves! Come to this fast-paced, humbling, funny, and sometimes tragic lecture to learn how failed assessment and management leads to pediatric pitfalls.

CRITICAL CARE

**Using Checklists to Prevent Human Errors in Advanced Airway Management**  
*David Olvera, AS, NRP, FP-C, CMTE*  
Endotracheal intubation in the prehospital setting is often challenging and stressful. Evidence-based research tells us that in non-operating room settings, the stress of intubation and addition of human factors leads to a significant increase in risk of failure during intubation. Implementing a simplified, single algorithm will help to decrease errors related to human factors, increase knowledge, confidence, and first-pass success, and manage potential complications that may arise.

OPERATIONS/  
MANAGEMENT

**Whistleblowers, Medicare Fraud, and the Office of the Inspector General**  
*Anthony Minge, EdD*  
Dealing with whistleblowers is increasingly complex, particularly in public safety and EMS. EMS is a high-priority target for Medicare fraud. Local governments have unique obligations in addressing whistleblower allegations and are being held liable for penalties. In this session, you will learn risks, effective prevention, and mitigation strategies in the event that your agency experiences this issue.

CRITICAL CARE

**Death by Ventilator**  
*Charles Sheppard, MD, FACEP, FAAEM*  
This presentation will discuss the dangers of the peri-intubation and post-intubation time for your patients. Dr. Sheppard will explain the "physiologically difficult airway," the dangers of peri-intubation hypotension/hypoxia and how to prevent them, the dangers of breath stacking, and the risk of intubating acidotic patients. You will also learn what you can do to prevent VAP and ICU delirium after intubation.

PEDS/GERI/  
SPECIAL POP

**Geriatric Giants: The Concept of Frailty and Other Hot Geriatric Topics**  
*Linda Dykes, MBBS (Hons), FRCEM*  
Elderly patients are uniquely challenging, often presenting with multiple morbidities, complex medication regimes, and higher expectations than ever before. The elderly frequently develop problems from drug side-effects and interactions and can be seriously injured from apparently minor falls. And yet not all elderly people are ailing and weak. Frailty is often the main difference between such patients. This presentation will cover a broad selection of topics in GeriEMS, with specific emphasis on the syndrome of frailty.

OPERATIONS/  
MANAGEMENT

**Imbangukiragutabara: EMS in the Heart of Africa**  
*Stephanie Louka, MD, AEMT*  
In 1994, the small African country of Rwanda suffered a genocide that killed one million of its citizens. The country's healthcare system was left in shambles, and mortality rates increased sharply. Visionary government leaders set goals to improve healthcare for all, and in particular, establish ambulance services throughout the country. Armed with no formal EMS training, select nurses and nurse anesthetists took to the streets, providing prehospital care to those in need. In January 2018, a team of educators from VCU Health in Richmond, VA, traveled to Rwanda to teach the country's first formal prehospital trauma course. Told through real stories, photos, and videos, this session will highlight the journey of Rwanda's EMS system and teach us all something about the human potential for resilience and growth.

LEADERSHIP

**Engaging EMS in the Trauma Center Performance Improvement Process**  
*Rob Lawrence, MCMI; Lois Collins, MSN, RN, TCRN; Jared McKinney, MD; Eric Clauss, MSN, RN, EMT-P*  
Trauma centers use the performance improvement process to drive meaningful outcomes for patients. Join panelists from various trauma centers and their EMS counterparts as they discuss the partnerships that they've established. This presentation will describe what EMS providers and agencies can and should expect from their trauma centers as it relates to performance improvement.

REVENUE &  
REIMBURSEMENT  
WORKSHOP



WEDNESDAY, OCTOBER 31  
1:30 PM–5:30 PM

Billing properly and with integrity is central to every EMS agency’s survival and success. This intensive workshop will provide the information and strategies you need to ensure success and compliance in your revenue and reimbursement practices.

Revenue Integrity: How to Make Sure You Can Keep What You Get

Douglas Wolfberg, JD; Chris Kelly, Esq.

Payment Reform in Community Paramedicine: It Gets Better

Matt Zavadsky, MS-HSA, NREMT; Chris Kelly, Esq.

Clinical Documentation: The Missing Revenue Link

Douglas Wolfberg, JD

Show Me the Money: Identifying Your Revenue Cycle Gaps to Optimize Revenue

Eric Foust

Revenue Cycle Performance Measurement: Monitoring What Matters

Douglas Wolfberg, JD

LEADERSHIP What Do the Feds Do for EMS?

A Roundtable Discussion

Anne Montera, BSN, RN; Jon Krohmer, MD; Richard Patrick, MS, EFO, CFO, EMT-P, FF; Mike Poynter, EMT-P

This session couples a comprehensive look at FICEMS (the Federal Interagency Committee on Emergency Medical Services) and NEMSAC (the National Emergency Medical Services Advisory Council as well as the FBI’s Infragard partnership with the private sector. Join an interactive roundtable discussion about what’s happening at the federal level in EMS. Attendees will be able to ask questions of agency officials engaged in daily EMS topics.

ALS Meet the Medical Directors: Part II

Corey Slovis, MD, FACP, FACEP, FAAEM, DABEMS; Kenneth Schepke, MD; Peter Antevy, MD; Mark Levine, MD, FACEP, FAEMS; W. Scott Gilmore, MD, EMT-P, FACEP, FAEMS; Paul Pepe, MD, MPH, FACEP, MCCM, MACP, FAEMS; E. Stein Bronsky, MD; Jeff Jarvis, MD, EMT-P; Ed Racht, MD; Neal Richmond, MD

Join EMS medical directors from around the nation for a discussion of critical issues impacting clinical and operational practice. This panel presentation will be led by Dr. Paul Pepe, host and program coordinator of the “Gathering of Eagles” conference, which has become one of the most progressive and important EMS educational events worldwide. Dr. Pepe will provide an update on the hottest topics discussed at this year’s meeting, plus new trends in prehospital medicine that will impact your practice tomorrow. Bring your questions for this exclusive chance to address some of the most progressive clinical leaders in the country.

MIH-CP Mobile-Integrated Healthcare for Fire-Based EMS

Michael Wright, NREMT-P

The majority of MIH programs in the U.S. are hospital-based EMS or non-fire-based EMS. This course will provide the fire-based EMS provider a “ground-up” view of why you should understand the impact of MIH on the fire service, as well as how this pertains to you. It will provide insight into one of the most important questions you may never have asked: How do we deliver MIH or CP and also provide fiscal sustainability?



EDUCATOR National EMS Scope of Practice: What’s New?

Kathy Robinson, RN, EMT-P

This presentation will focus on several considerations to revise the 2018 National EMS Scope of Practice Model, including the difference between certification and licensure, use of evidence-based research to advise practice decisions, the need for state oversight and medical direction, as well as the process used to determine the level of education, credentialing, and licensure needed to perform select EMS interventions.

BLS Storytelling in EMS

Gary Heigel, BA, EMT-P

Throughout history, cultures have been defined by the stories passed down through generations. With a vibrant culture of its own, EMS is no different. In this entertaining presentation, we will examine the stories, discuss the reasons that we feel compelled to share, analyze the risks and benefits, and consider the impact that storytelling has on the EMS culture we create every day.

CRITICAL CARE Take a Ridealong with a Helicopter Transport Team

Kristopher Thompson, BSN, RN, EMT-P, CCRN, CEN, CFRN, FP-C, TCRN

Take a ridealong with a helicopter critical care transport team and choose the appropriate management for critical patients encountered at referring hospitals and in the back of an ambulance. Attendees will be provided with history and physical assessment findings and then choose the best course of treatment via a webpage on their cell phone or mobile device.



EDUCATOR The Next Step in EMS Education: Integrating Simulation-Based Education into Continuing Education Courses

Jeff Myers, DO, EdM, EMT-P, FAEMS

Simulation-based education (SBE) provides students with authentic learning that is as close to in-context learning as possible. However, the challenge for many educators is integrating SBE into their continuing education (CE) program. In this interactive session, we discuss the principles of SBE and CE and how to lay down a road map to help guide integration of SBE into your CE program.



MIH-CP Time for a New Direction? What is the Best Medical Direction Model for the New EMS Role?

Matt Zavadsky, MS-HSA, NREMT; Michael Nolan, MA, CCP(F); Geraint Farr

For 50 years, emergency medical service agencies have primarily sought emergency medicine physicians for clinical oversight of emergency care providers. However, most data analyses reveal that very few patients are suffering a true medical emergency. As EMS evolves to providing expanded roles in the community, is the exclusive use of emergency medicine physician oversight the correct model? Should there be a balance between emergency medicine and general practitioner oversight? This presentation will discuss some of these concepts.

ALS What Does This Drug Do Again?

A Review of Clinical Pharmacokinetics

Daniel Hu, BS, PharmD

It’s vital for EMS providers to have a strong foundation in clinical pharmacokinetics. Since toxicology and drug therapies rest on the principles of pharmacokinetics, this course will take attendees through a working and applicable knowledge of fundamental concepts, such as drug absorption, distribution, metabolism, and elimination.

OPERATIONS/ MANAGEMENT Why ROSC Needs to Die, and Other Performance Measures That Do More Harm Than Good

Michael Gerber, MPH, NRP

ROSC (return of spontaneous circulation) and other commonly-used metrics need to be retired and buried. This session presents an evidence-based, patient-centered look at EMS performance measures and what you should—and shouldn’t—be measuring now.

BLS Where Can Your EMS Career Lead You?

Matthew Steger, Esq., MPA, NRP; Lisa DeBoer; Raphael Barishansky, MPH, MS, CPM; Carl Cowan, MS, NRP, CCP-C; Blair Bigham, MD, MSc, ACPf

Listen to a panel of EMS providers who have used their foundation in EMS as a starting point for interesting and varied career choices. Panelists will discuss the paths their careers have taken, give advice for successfully navigating into other fields, and answer questions about training, education, and job experience.

THURSDAY, NOVEMBER 1

8:00 AM–9:00 AM

MIH-CP “So, I Have This Patient...”: Complex Patient Stories

Anne Jensen, BS, EMT-P; Shawn Percival, EMT-P, CP-C

When Community Paramedics talk to each other between conference sessions, you often hear them exchanging advice about complex patients they are currently managing. “I have this patient who...” is a phrase you are almost certain to hear in the MIH hallway of the Expo! In this session, Community Paramedics have the opportunity to present difficult cases and trade insight with fellow Community Paramedics.



MIH-CP CAHOOTS: A Medical-Mental Health Model

Michelle Perin-Callahan, MS, QMHP, EMT

The successful Crisis Assistance Helping Out on the Streets (CAHOOTS) mobile crisis response team for Springfield and Eugene, Oregon, has been operating in various capacities since 1989. Each CAHOOTS van is equipped with medical equipment appropriate to handle BLS calls within the scope of the medical professional on-board. This free response is available for a broad range of non-criminal crises, and non-emergency medical care, first aid, and transportation services are also provided. CAHOOTS is a cost-effective, integrated agency that allows police and fire/EMS professions to remain in-service to handle true emergencies.



PEDS/GERI/ SPECIAL POP Controversies in Pediatric Prehospital Care: Ask the Experts

Peter Antevy, MD; Paul Pepe, MD, MPH, FACEP, MCCM, MACP, FAEMS; Paul Banerjee, DO; Mark Piehl, MD; Curtis Knoles, MD, FAAP

What are the most important factors facing EMS providers who care for pediatric patients? Join a panel discussion of pediatric emergency physicians as they discuss the latest trends, share the latest pediatric research, and debunk long-held myths in pediatric care.

ALS Excited Delirium: Deadly for Patients and Dangerous for Providers

Sean Kivlehan, MD, MPH

Have you encountered a violent and agitated patient, tachycardic and diaphoretic, who is unable to be controlled? With the explosion of designer drugs, excited delirium is becoming increasingly common the in U.S. and carries a 10% mortality rate. This presentation will define excited delirium and discuss both the controversial history behind it and the current thoughts on its pathophysiology. Most importantly, it will discuss treatment options as well as how to keep your patient and team safe on-scene and during transport.

ALS Hands-On Guided Cardiac Dissection

Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P; Lisa DeBoer

This one-of-a-kind, hands-on course was developed to help review and reinforce the essentials of cardiac anatomy from the inside-out. Scalpels and scenarios, paired with step-by-step videos and instructor-guided dissections, allow attendees to experience an unforgettable look into medical and traumatic cardiac emergencies.

**Note:** Emergency skills will be practiced on harvested pig organs. No animals were euthanized for the purpose of this course.

Maximum of 40 attendees for each session to allow for adequate hands-on time with dissections and instructors. Additional registration fee of \$40 for 3-day core program attendees.

BLS Hot Car Deaths: Managing Heatstroke

Ken Bouvier, EMT-P

It happens, on average, once every nine days in the United States, and it’s devastating: a child dies of heatstroke after being left in a parked vehicle. Although there have been cases in which parents are charged with purposely abandoning their child in the backseat on a hot summer day, most of the time, well-meaning and loving caregivers just make an honest mistake. Learn ways to manage the chaos of one of these calls, treat heatstroke, and even prevent this from happening in the first place.

BLS PTSD and the First Responder

Bob Baillie, BA (Hon), PCP, ACP

This TED-style talk will explore the issues and ramifications of developing PTSD on the job. During Bob Baillie’s recent tenure with York Region, he developed significant job-related PTSD. As a result of his illness, his employment was terminated. A union appeal, followed by legal arbitration, resulted in him regaining his employment. In this session, Baillie will provide a unique insight into the world of first responders developing, suffering from, and coping with PTSD.

OPERATIONS/ MANAGEMENT Scoop and Run or Stay and Stabilize: Comparing International EMS Systems

Francis Levy

Emergency prehospital healthcare delivery is classified around two main models with distinct features: the Anglo-American “scoop and run” model, and the Franco-German “stay and stabilize” model. This session will examine in detail the organization of the coverage of emergencies in significant European countries and study the convergences and differences with EMS in the Anglo-American sphere.

BLS How to Stay Awake Through the 12-Hour Night Shift

Curtis Olson, BSN, BA, RN, NRAEMT, CEN

Working overnight presents special challenges to the night-shift EMS provider. Performing complex skills at a time of night when you should be asleep puts the healthcare shift worker at unique risk for making errors. This session takes the audience through a 12-hour night shift with a dozen mini-lectures exploring the physiology of sleep and waking, the unique qualities and hazards of night shifts for nurses and their patients, and methods to stay awake and alert when the rest of the world is sleeping.

OPERATIONS/ MANAGEMENT The Five Best Ways to Get Sued and End Up in Court (If That’s Your Thing)

Douglas Wolfberg, JD

Nationally-known EMS attorney Doug Wolfberg brings decades of experience from the field and the courtroom to illustrate some of the top ways EMS providers have found themselves in legal hot water. This session will provide concrete recommendations on how to avoid your turn in the EMS litigation sausage grinder and promises to be entertaining, scary, practical, and eye-opening at the same time.

ALS The Role of EMS in ECMO Therapy

Stuart McGrane, MB, ChB; Leon Eydelman, MD

This presentation will review the history and basics of Extracorporeal Membrane Oxygenation (ECMO) and delve into EMS applications of this technology. Current hospital-based ECMO strategies seen in the United States will be discussed, with a focus on the EMS contribution to remote cannulation and transportation. This will be contrasted by examining the European experience, which often features prehospital ECMO initiation. Finally, novel indications for ECMO will be explored, with particular attention to how EMS can take ownership and guide development of this therapy.

LEADERSHIP Training Citizens for Emergencies: An Expert Panel

Teri Campbell, RN, BSN, CEN, CFRN; Mike Papale; Rob Lawrence, MCMI; Scott Goldberg, MD, MPH, FACEP, FAEMS; Jennifer Chap; Rick Chap; Jimm Dodd

CPR and AED education in schools has been mandated in 35 of 50 states. One of the most difficult barriers is addressing the unfunded mandate. Many states are struggling financially to provide students with the basics to support core subjects. How can challenged school systems find the resources to meet state mandates? Come to this fun, proactive lecture to learn how your state can successfully provide schools and educators with the educational and financial support they need to make CPR in schools a success.

EDUCATOR Training the Limbic System for High Performance

Faizan Arshad, MD

Humanity has existed for more than 2 million years, evolving to adapt to the demands of the environment. Only over the last several hundred years have we gained modern conveniences such as electricity, supermarkets, and urban dwellings with climate control. These conveniences alter our perception of dangers interpreted by our midbrain (the limbic system) to generate often inappropriate reflexive defenses such as fight, flight, or freeze responses. Gaining a greater understanding of the limbic system is necessary in order to become an ideal resuscitator and stay poised when faced with adrenergic responses in caring for critically ill and injured patients.

AMBULANCE  
PURCHASING  
CONCLAVE

THURSDAY, NOVEMBER 1  
9:00 AM–11:15 AM

Opening Keynote

Michael Berg, MPA, NRP

What Standards Should Be Used to Build Our Next Ambulance?

Ken Holland, NREMT-P

How to Mitigate the Risks of Emergent Response

David McGowan, MA, ASHM

Update on the Federal Specification for Ambulances

John McDonald

The Future of Transporting Children: Pediatric Restraints and New Federal Standards

Mark Roberts, World Expert on Pediatric Transport/Standards for Emergency Medical Vehicles

CRITICAL CARE Tunnel Vision: Managing the Challenging Airway

Brad Garmon, BS, FP-C

Advanced airway management is an invasive procedure that requires skill, control, and significant knowledge of anatomy and physiology. Difficult airway scenarios present themselves to local EMS providers every day. Come fight tunnel vision and break down this procedure into its microelements, advancing skill by reinforcing the basics of airway management.



9:15 AM–10:15 AM

MIH-CP A Unique Approach to Community Paramedicine on the Reservation

Kimberly Pruett, MD

The Pueblo of Laguna, a rural New Mexico community, is implementing a team-based approach to community paramedicine. Local paramedics from the fire department work with community health nurses and representatives to provide comprehensive care to community members, resulting in fewer trips to the hospital and improvements in overall patient and population health.



BLS American College of Surgeons: Bleeding Control Basics (2-Hour Session)

Scott Harding, BS, NREMT-P, CIC; Lorenzo Paladino, MD, EMT-P; Andrew Bershad, NREMT-P, CIC, Jimm Dodd

The ACS Bleeding Control program provides the knowledge and skills to stop life-threatening bleeding. While you will encounter patients with traumatic wounds in regular settings, the nation is also in an era of increasingly frequent mass shootings and terrorist attacks, making it critical for providers to know and practice the proper techniques for rapid intervention in bleeding control. This session will give providers and providers who wish to be prospective trainers the first steps needed to teach this lifesaving course to their students.

**Note:** Maximum of 40 attendees; must pre-register online.

ALS Beyond Rapid Sequence Intubation: Managing Sedation and Analgesia Through the Continuum of Care

Daniel Hu, BS, PharmD

In this session, you will learn how to manage patients following rapid sequence intubation and understand the different treatment modalities following the continuum of care from prehospital through the emergency department and into the critical care unit.

LEADERSHIP EMS 3.0 Transformation

Update: What's New This Year?

Matt Zavadsky, MS-HSA, NREMT

The role of EMS continues to evolve. Agencies and practitioners are implementing new services that enhance the value EMS bring to patients, payers, hospitals, home care, and hospice agencies. This session will provide an overview of programs implemented over the past year and how they are generating value to key stakeholders.



BLS Hot Topics: Updates in Burn Care

Jocelyn Hills, NP

Treatment of burn patients is an ever-evolving science that has progressed exponentially in recent years, improving outcomes and decreasing mortality. This session will explore the treatment of cyanide toxicity preemptively with cyanocobalamin and investigate these updates and treatments, providing the attendee with a more comprehensive understanding of the emergent treatments and ongoing advances that save lives.

PEDS/GERI/ SPECIAL POP Prehospital Airway Management in the Child: Insights and Implications

R. Darrell Nelson, MD, FACEP, FAEMS

Responding to sick or injured children evokes an emotional response in even the most seasoned providers. This session will explore the differences—and more importantly, the similarities—in airway management of pediatric and adult patients, and how those differences can be helpful in our planning and intervention.

ALS The Most Important Recent Practice-Changing EMS Articles for 2018

Corey Slovis, MD, FACP, FACEP, FAAEM, DABEMS

This session will discuss the most important recent articles that advanced providers should be familiar with, such as recent data on the use vs. non-use of epinephrine in cardiac arrest and dosing intervals in VF vs. non-shockable rhythms; current literature on advanced pre-hospital airways; and whether morphine should still be used or replaced by fentanyl. Additional topics will be added as new articles appear in the literature.

ALS Replacing What They're Losing: Low-Tier Group O Whole Blood for EMS

Andrew Fisher, MPAS, PA-C

Death due to hemorrhage is a potentially survivable event. To address the 20% potentially survivable death rate, along with hemorrhage control, there needs to be an aggressive resuscitation strategy. Low-tier group O whole blood (LTOWB) offers advantages over crystalloids, colloids, and component therapy and restores the functionality of blood to normal. Now is the time to bring LTOWB to ground EMS.

LEADERSHIP School for Fire and EMS Radicals

Steven Knight, PhD; Ian Womack, AFS, BPA

Anyone who wants to bring about change has to be ready to break the rules. But the art of rocking the boat, while staying on it, is something that no one has been able, or willing, to teach you—until now. This session will outline key issues, strategies, and successes to help you change culture, operational capabilities, and employee engagement.

CRITICAL CARE Ultrasound in the Field: Applications, Utility, and Feasibility

Benjamin Smith, MD

As ultrasound technology becomes more compact and less expensive, it will become more prevalent and increasingly utilized by EMS. This lecture will cover the more common uses of ultrasound in the emergency department, how they can be applied to the prehospital environment, and what research is currently available to guide field use.



MIH-CP Successes and Challenges of Existing MIH-CP Programs

Paul Pepe, MD, MPH, FACEP, MCCM, MACP, FAEMS; Peter Antevy, MD; Jessica Banks, RN, EMT-P; Kenneth Schepke, MD; Juan Cardona, NREMT-P, MPA, CEMSO

This session will analyze and review existing MIH programs and suggest different models and future directions for programs from the perspective of experienced providers. Topics of discussion will include the pros and cons of hospital- and ACO-based programs, focusing on hospice programs, Telehealth, medical home monitoring, medication-assisted therapy, and transitional programs.



OPERATIONS/ MANAGEMENT

Working Where the Road Ends: How Did I End Up in Alaska?

Tracey Loscar, BA, NRP, FP-C

After a quarter of a century working in one of the most violent cities in one of the most densely populated states, I found myself working in a place where there are more caribou than people. The culture, risks, and resources are vastly different between these two regions, except for the fact that people still call 911. Managing resources for a coverage area the size of West Virginia provides a unique set of challenges.

EDUCATOR Conquering the World of Medical Education with FOAMed

Salim Rezaie, MD

Through social media and internet sharing, Free Open Access Medical Education (FOAMed) has come into the mainstream of medical education in the EMS, prehospital, and critical care worlds. FOAMed has allowed a community of healthcare professionals to have online conversations about current research and ideas in patient care, regardless of geography or time zone. This session discusses the reasons you should use online platforms to keep up with the influx of publications in order to stay current and improve patient care.

10:30 AM–11:30 AM

PEDS/GERI/ SPECIAL POP

A Potentially Deadly Miss: The Young, Healthy-Appearing Syncope Patient

James Davis, EdD, MBOE, RN, EMT-P

The death of young, healthy-appearing patients leaves many asking why. Yet frequently there are symptoms leading to the event that include syncope and near-syncope. This lecture will address the most common causes of sudden death in the young, with the hope of leaving participants with a deeper understanding of how important the assessment of syncope is in these patients.

ALS A Resuscitator's Guide to Preox and Apox

Faizan Arshad, MD

In dealing with the critically ill, some will require an advanced airway. Many of these patients will be challenging to oxygenate and ventilate. The ideal approach to pre-oxygenation and denitrogenation has been controversial. Using standard equipment in tandem to optimize our patients' hemodynamics has also been controversial and not universally accepted. In this lecture, we will review the protocols and various application techniques, study the objective evidence behind these practices, and discuss best practices for our patients to optimize the airway prior to laryngoscopy.

ALS What's the Future of EMS?

Kenneth Schepke, MD

This will be a fast-paced interactive summary of some of the timeliest EMS topics covered at the annual "Gathering of Eagles" and other late-breaking advances in EMS. Join Dr. Schepke as he covers some of the cutting-edge trends in EMS from 2017 and 2018 and discusses the future of EMS. Topics covered will include the latest in cardiac arrest resuscitation, the clinical impact of EMS bypassing primary stroke centers, the latest tools to combat the opiate crisis, and others.

BLS Cadaver Lab Training That Will Blow Your Mind: Slices and Devices

Lorraine Jadeski, BSc, MSc, PhD

Anatomists at the University of Guelph in Ontario have developed cadaveric-based educational tools in the form of high-quality digital images, videos, and modules. These high-quality specimens show the anatomy of the body during procedures and treatments in a way EMS has never seen. Watch a panel of educational experts and anatomists discuss the ways educators could use these models to teach EMS providers and give them the "a-ha!" moment they deserve.

DATA & TECHNOLOGY  
SUMMIT

THURSDAY, NOVEMBER 1  
7:30 AM–1:00 PM

Implementing New Technology: Don't Forget About the People, Pt I

James Woodson, MD, FACEP; E. Stein Bronsky, MD

Good Documentation + Good Data Collection = Better Patient Care

Brooke Burton, NRP, FACPE

911 When There is None: How a Text Message-Based Emergency Dispatching System Improved Emergency Services in the Dominican Republic

Jason Friesen, MPH, EMT-P

Implementing New Technology: Don't Forget About the People, Pt II

James Woodson, MD, FACEP; E. Stein Bronsky, MD

Things That Make You Go, Hmm...: Finding Signals in the Noise of EMS Data

Jeff Jarvis, MD, EMT-P

**Note:** Pre-registration is required; additional registration fee of \$10 for 3-day core program attendees.

Sponsored by: OPERATIVE IQ

OPERATIONS/ MANAGEMENT

Clean Cab: Designing Apparatus Around Provider Safety, Health, and Wellness

Frank Babinec, MBA, CFO, EFO; Jeremy Hurd, Chaplain, FF/PM, CISM, Peer Supporter

A clean cab apparatus is designed to facilitate a clean, healthy, and safe environment by reducing the exposure to contaminants associated with occupational exposures found in firefighting activities. Join Chief Babinec as he explains how the Coral Springs-Parkland Fire Department has been the change needed in fire service for preventing job-related exposures, not only on the fireground, but also through health and wellness initiatives and medical testing.

OPERATIONS/ MANAGEMENT

EMS Agenda 2050: Making It Real

Jon Krohmer, MD

Last year, the EMS community came together to create EMS Agenda 2050, a vision for what EMS should look like in the U.S. three decades from now. Now it's time to think about what it will take to make EMS Agenda 2050 a reality. In this session, EMS leaders involved in its development will lead a discussion about moving EMS forward and the community-wide effort it will take to build better systems for patients, communities, and caregivers.

ALS Hands-On Guided Cardiac Dissection

Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P; Lisa DeBoer

This one-of-a-kind, hands-on course was developed to help review and reinforce the essentials of cardiac anatomy from the inside-out. Scalpels and scenarios, paired with step-by-step videos and instructor-guided dissections, allow attendees to experience an unforgettable look into medical and traumatic cardiac emergencies.

**Note:** Emergency skills will be practiced on harvested pig organs. No animals were euthanized for the purpose of this course.

Maximum of 40 attendees for each session to allow for adequate hands-on time with dissections and instructors. Pre-registration is required; additional registration fee of \$40 for 3-day core program attendees.



## EMS SAFETY OFFICER WORKSHOP

THURSDAY, NOVEMBER 1  
1:00 PM–5:45 PM

The EMS Safety Officer Workshop, sponsored by the National EMS Safety Council, offers safety-related continuing education content relevant to the EMS industry. After completion of the workshop, attendees will receive a certificate of attendance endorsed by the National EMS Safety Council.

### Suicide and the First Responder

Pat Songer, NREMT-P, BS, FACPE

### Thinking About Thinking: Reducing Medical Error

Kevin King, MD

### EMS Safety: A Response-Based Approach

Erik Gaull, NRP

### Rescuing Our Responders: Reducing Risk for Public Safety Employees

Brian Fass, ATC, LAT, CSCS, EMT-P (ret.)

### Processing Stress and Building Resilience

Olivia Kvitne, ERYT 500, YACEP

### What's the Hurry?

Jennifer McCarthy, MAS, NRP, CHSE; Lee Varner, MS EMS, CPPS, EMT-P

### Clean Cab: Designing Apparatus Around Provider Safety, Health, and Wellness

Frank Babinec, MBA, CFO, EFO; Jeremy Hurd, Chaplain, FF/PM, CISM, Peer Supporter

### Crew Resource Management for EMS: It's Not Just for the Aviation Industry

Anthony Guerne, MS, NRP, CHSE; Richard Blanchet, BS, MBA, NREMT-P

### EMS Educators: Gatekeepers to the Mental Wellness Mindset

Amy Eisenhauer, EMT

### CRITICAL CARE Is HEAVEN the New LEMONS?

David Olvera, AS, NRP, FP-C, CMTE

This presentation will go over the use of the HEAVEN criteria for difficult airway assessment and when to use videoscopic intubation or direct laryngoscopy. We will dive into the research related to validating the HEAVEN criteria as well as look at past ideas to determine a difficult airway.



### LEADERSHIP Keep Your Friends Close and Your Enemies Closer: Interpreting Sun Tzu for the EMS Leader

Raphael Barishansky, MPH, MS, CPM

There was no greater leader and strategist than Chinese military general Sun Tzu. His seminal text, *The Art of War*, is considered a masterpiece of strategy that presents a philosophy for managing conflicts and winning battles. The lessons of Sun Tzu have stood the test of time and taught generations of leaders the fundamentals of being an effective leader. This session will review these lessons, assist you in defining expectations of leadership, and live up to your own leadership potential.

### MIH-CP Placing a Paramedic in a "Hospital at Home" Service in the UK

Geraint Farr

The main hands-on clinicians in the Hospital at Home service in Wales were initially Advanced Nurse Practitioners with some support from GPs (Family Practitioners). In 2017, the team was expanded with the appointment of its first Advanced Paramedic Practitioner (APP) clinician, a very experienced paramedic with both rural and urban clinical experience and a strong management portfolio. In this presentation, APP Geraint Farr will analyze the Anglesey Hospital and Home service from a paramedic and management perspective.



### EDUCATOR Students Teaching Students: The Peer-to-Peer Tutoring Approach

Ehtesham Ahmed Shariff, MBBS, MD, MBA; Ahmed Azharuddin, MD

Peer tutoring is an effective educational strategy for classrooms of diverse learners because it promotes academic gains as well as social enhancement. With administrative support and professional development, peer tutoring can help instructors cope with challenges such as limited instructional time and multiple curricular requirements. Peer tutoring is particularly advantageous because it allows instructors to address a wide range of learning needs and engages all students simultaneously.

### BLS Technical Rescue Environments: What Every Provider Should Know

Jeremy Cushman, MD, MS, EMT-P, FACEP, FAEMS

Ninety-five percent of critical medical care necessary in the technical rescue environment lies within the scope of the BLS provider, yet many of the simplest and effective interventions to improve patients' survival are either forgotten or never learned. This presentation will share these essential medical management considerations for patients encountered across all technical rescue disciplines as well as pearls to help keep our responders safe.

### MIH-CP Urban Community Paramedicine Panel

Michael Wright, NREMT-P; Anne Jensen, BS, EMT-P; Shane Hardwick, EMT-P

Urban Community Paramedicine (UCP) can help communities address complex issues that impact the safety net and community, but there has been little discussion or training about it. This presentation will lay out principles and a framework for Community Paramedic operations in the urban setting.



12:30 PM–1:45 PM

### LUNCH AND LEARN

#### Unrecognized Respiratory Compromise: Better Clinical Decisions Using Data

Scott Bourn, PhD, RN, EMT-P

Performance improvement programs are designed to transform care for our patients through both provider and system improvements. But implementing and deciphering data can often be a challenge. We'll explore the concept of care bundles, identify ways to incorporate those and other factors into your quality improvement program, explore the challenges of measuring up to national performance benchmarks, and share best practices to enhance provider feedback through hospital outcome information.

**Note:** Pre-registration is required; additional registration fee of \$10 for 3-day core program attendees.

Sponsored by:

Medtronic

3:15 PM–4:15 PM

### OPERATIONS/MANAGEMENT 396 Days Ago: The October 1 Shooting in Las Vegas

Ed Racht, MD; Jeffery McCollom

The Las Vegas shooting on October 1 happened 396 days ago. AMR was the lead response agency, and they are now ready to publish their findings. Join the chief medical officer and other members of the AMR administration as they present, analyze, and evaluate the event, and learn what you can do to prepare for the unthinkable.

### MIH-CP A New Model for Assessing Patients in MIH-CP Settings

Anne Jensen, BS, EMT-P; Dan Swayze, DrPH, MBA, MEMS

Traditional EMS providers work with well-known assessment algorithms for patient assessments such as the ABCs, SAMPLE history, and OPQRST. Community paramedic pioneers Anne Jensen and Dan Swayze team up again to introduce their new assessment format that is unique to community paramedicine.



### BLS American College of Surgeons: Train-the-Trainer in Bleeding Control (2-Hour Session)

Scott Harding, BS, NREMT-P, CIC; Lorenzo Paladino, MD, EMT-P; Andrew Bershad, NREMT-P, CIC, Jimm Dodd

The ACS Bleeding Control program provides the knowledge and skills to stop life-threatening bleeding. While you will encounter patients with traumatic wounds in regular settings, the nation is also in an era of increasingly frequent mass shootings and terrorist attacks, making it critical for providers to know and practice the proper techniques for rapid intervention in bleeding control. This course will give prospective trainers the tools needed to provide this lifesaving course to their students.

**Note:** Pre-registration is required. Attendees must have Bleeding Control Basic Course certification in order to sign up for the Train-the-Trainer course. Please bring proof of certification to EMS World Expo. Attendees who have completed the American College of Surgeons: Bleeding Control Basic Course (Thursday, November 1, 9:15 AM–11:15 AM) will be granted access to the Train-the-Trainer course. Maximum of 40 attendees.

### CRITICAL CARE Beyond ACLS: Special Topics in Cardiac Arrest

Kristopher Thompson, BSN, RN, EMT-P, CCRN, CEN, CFRN, FP-C, TCRN

ACLS is a set of guidelines for general care, but what do you do with the patient who is refractory to treatment or doesn't fit into the standard ACLS algorithms? Utilizing case studies, this session will look at patients with persistent ventricular fibrillation and tachycardia, toxin-induced arrests, traumatic arrest, and hypothermia and review the latest literature on cardiac arrest resuscitation.



### BLS Bicycles, Bats, Balls, and Trauma Cells

Ken Bouvier, NREMT-P

This session will help attendees better understand sports injuries that occur in neighborhood ballparks involving kids. During this session, attendees will take a look at some of the most common types of sports injuries among children and teenagers, from Little League through high school. Ken Bouvier will discuss how children are often injured while riding bicycles, skateboarding, and playing baseball, football, and soccer, as well as how to handle sports-related trauma calls.

### ALS Can We Reliably Estimate Perfusion Status in the Acutely Injured Patient?

Bill Lord, BHLthSc, GDipCBL, MEd, PhD

Inadequate perfusion associated with trauma is associated with significant mortality and morbidity. Paramedics play an important role in maintaining perfusion until further treatment can be provided, but the use of intravascular volume replacement has been shown to worsen outcomes in some cases. This session will help attendees understand the limitations of vital signs in assessing perfusion status in cases involving hypovolemia and investigate alternate approaches that may improve perfusion assessment.

### ALS Demystifying Pacemakers

Jeff Myers, DO, EdM, EMT-P, FAEMS

We've all had patients who have pacemakers or an AICD. These devices are getting smaller each year and are much more prevalent than they were 15 years ago. But how do they work? What does the magnet really do? What happens when the AICD fires? In this interactive session, providers will explore the inner workings and practical information about pacemakers and AICDs that will be invaluable to your EMS practice.

### ALS Hands-On Guided Cardiac Dissection

Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P; Lisa DeBoer

This one-of-a-kind, hands-on course was developed to help review and reinforce the essentials of cardiac anatomy from the inside-out. Scalpels and scenarios, paired with step-by-step videos and instructor-guided dissections, allow attendees to experience an unforgettable look into medical and traumatic cardiac emergencies.

**Note:** Emergency skills will be practiced on harvested pig organs. No animals were euthanized for the purpose of this course.

Maximum of 40 attendees for each session to allow for adequate hands-on time with dissections and instructors. Pre-registration is required; additional registration fee of \$40 for 3-day core program attendees.

### OPERATIONS/MANAGEMENT Lost in the Black & White Fuzz? Creating a Prehospital Ultrasound Program

Stephanie Louka, MD, AEMT

Interested in setting up an ultrasound program for your agency but unclear where to start? You are not alone. Using the Richmond Volunteer Rescue Squad as an example, this session will outline what it takes to create a prehospital point-of-care ultrasound (P-POCUS) program from start to finish, including finding funding, understanding and choosing hardware, training your people, revising protocols, and conducting Q&A.

### EDUCATOR NASEMSO's National Model EMS Clinical Guidelines: Using Data and Evidence

Carol Cunningham, MD, FAAEM, FAEMS; Richard Kamin, MD, FACEP

Model EMS clinical guidelines promote uniformity in prehospital care, which promotes more consistent practice as EMS providers move across healthcare systems. The inaugural NASEMSO National Model EMS Clinical Guidelines were released in September 2014 and accessed by local, national, and international EMS medical directors, providers, agencies, and administrators. The second edition includes new and updated guidelines based on current research, newly released evidence-based guidelines, and pairing with the National EMS Information System (NEMSIS).

### PEDS/GERI/SPECIAL POP Pediatric High-Performance CPR: A Hands-On Experience with the Experts (2-Hour Session)

Charlie Coyle, EMT-P; Peter Antevy, MD

You always hear about high-performance CPR in adults, but almost never in pediatrics. This session will show you exactly how pediatric high-performance CPR should occur, and each participant will actively practice each of the specified roles. By using this technique, your department will drastically improve outcomes in pediatric cardiac arrest.

**Note:** Maximum of 40 attendees; must pre-register online.

Sponsored by:



### EDUCATOR The CAPCE CE Database: What Can We Learn About EMS Education?

Jay Scott, BS, NRP

All EMS providers need to maintain their continuing education credits, so why not get yours here while learning how it all works? Attendees will find out from CAPCE's very own executive director how data is collected, current trends are analyzed, continuing education may evolve—and what it all means for you as a provider.

### LEADERSHIP Wide-Open Spaces: Lessons in Rural EMS Leadership

Jared Oscarson, NRP; Pat Songer, NREMT-P, BS, FACPE

The struggles of rural EMS and healthcare can be difficult to navigate and overcome. This session will discuss the challenges of rural EMS and provide valuable and tangible information that rural leaders can build upon in their agency. The speakers will offer examples of successes and failures in developing their systems and will discuss the importance of challenging the status quo and building a system around positive patient outcomes and sustainability.

4:30 PM–5:30 PM

### MIH-CP Community Paramedicine and the Opioid Abuse Epidemic: A Social Determinant Approach

Jonah Thompson, NRP, CP-C

The current opioid abuse epidemic is affecting communities across the nation. Public health agencies attempt to divert abusers to rehabilitation programs, and in some areas, employ harm reduction models. This case study will discuss an integrative approach using post-traditional EMS encounter referrals to community paramedics who target Social Determinant of Health (SDoH) barriers to self-management in this population. Lessons learned and program implementation guidelines will be discussed along with recommendations for future public health emergency integrations.



Special Focus:  
Event Medicine



THURSDAY, NOVEMBER 1

2:30 PM–6:00 PM

Alive and Well: The Importance of Event Medical Services

Connor Fitzpatrick, AEMT, EMS-I

Preparing for When Your Mass Gathering Event Becomes a Mass Casualty Incident

Matthew J. Levy, DO, MSc, FACEP, FAEMS, NRP

From the Deserts to the Seas: Event Medicine Toxicology You Need to Know

Ryan Hodnick, DO, NREMT-P, FAWM, FACEP

Can You Manage This?! Cases From the World of Event Medicine

Asa Margolis, DO, MPH, MS, FACEP

MIH-CP Complex Patients: How Can Community Paramedics Best Manage Them?

Dan Swayze, DrPH, MBA, MEMS; Anne Jensen, BS, EMT-P

Community paramedics' patients are often the most challenging patients in the healthcare system. In this presentation, community paramedicine pioneers Anne Jensen and Dan Swayze will review case studies and frameworks for managing complex patients in an MIH-CP setting.



ALS Don't Miss These 5 Things on the EKG of Your Syncope Patient

Kimberly Pruett, MD

Join Dr. Pruett as she reviews five important, and possibly life-saving, findings on EKGs in patients with syncope. Attendees will learn how to recognize findings, such as prolonged QT and left ventricular hypertrophy, that may contribute to syncope and long-term complications.

CRITICAL CARE EMS and the Zombie Apocalypse: Transporting Patients with Challenging Devices in Challenging Situations

Kim Moore, RN, MSN, CCRN

This discussion will review the basics of hemodynamic monitoring and provide a brief description of common cardiac devices used during patient transport. These include the IABP, Impella, VAD, and ECMO, with a brief review of cutting-edge upcoming technology. Common challenges that can occur during transport, along with troubleshooting tips, will also be discussed for each device.



OPERATIONS/ MANAGEMENT Why You Need to Include a Pharmacist in an EMS Quality Management Program

Kevin Collopy, BA, FP-C, CCEMT-P, NRP, CMTE; Daniel Hu, BS, PharmD

Adding a pharmacist to an EMS quality management program improves patient safety by introducing a true pharmacology subject matter expert into the protocol development team. Come hear how one agency added an emergency medicine pharmacist to their Quality Management program and the impact it has had on ensuring patient safety while improving the transition of care between the field and emergency department.

BLS I Survived a Sudden Cardiac Arrest: Come Hear My Story!

Mike Papale

In this presentation, Mike Papale will share how his sudden cardiac arrest changed his life. Growing up with aspirations to play basketball in college, he was forced to stop playing following his cardiac arrest at age 17. Papale will share how he altered his passion for playing basketball to coaching, eventually making it his mission to prevent death from sudden cardiac arrest and Hypertrophic Cardiomyopathy. He will also discuss the mission and development of his foundation, In A Heartbeat.

ALS Managing Critically Ill 'Crashing Patients' in the Field: Strategies to Prevent Post-EMS Contact Cardiac Arrest

Mark Pinchalk, MS, EMT-P

Prehospital providers often encounter critically ill patients in the field. Taking a "load and go" rapid transport approach can be unsafe and allow for the continued progression of negative physiology, leading to increased morbidity and mortality. This program advocates an evidence-based bundle of care strategy when caring for these patients to reduce mortality by managing life-threatening issues and negative physiology on-scene.

EDUCATOR Self-Evaluation to Improve Student Performance: "Take 10"

Christopher Kroboth, MS, NR-P, CCEMT-P

Come explore the stratified debriefing system we use to help students drive their learning with facilitator guidance. Using a 20-10-20 format for scenario deployment, student-guided self/group debrief, and instructor debrief, we incorporate visual aids to help close the debrief with a tie back to the learning points. Through an NFL-style video approach to performance, the students will watch their scenarios after completion and fill out a self-evaluation form highlighting key areas of proficiency and deficiency.

EDUCATOR Justify Yourself: Finding the Evidence to Support Your Practice

William Toon, EdD, NRP

This presentation will teach participants how to find the latest scientific evidence to support best practices in the classroom, treatment protocols, and top-notch clinical practice.

PEDS/GERI/ SPECIAL POP Silver Trauma: Are Geriatric Patients Just Old Adults?

Sabina Braithwaite, MD, MPH, FACEP, FAEMS, NRP

Are geriatric patients just old adults? No! Geriatric trauma patients have different mechanisms and patterns of injury, complicated medications and medical problems, and physiologic differences that make them very different from younger adults in both presentation and outcomes from trauma. Differences including cervical spine injury, traumatic brain injury, and shock index will be discussed.

LEADERSHIP System Improvement: Successfully Engaging Stakeholders in Strategic Planning

Bill Bullard, MBA, EMT; Brenda Brenner

Everyone talks about improving EMS delivery, but how do you make it happen? What does that mean? More importantly, how do you get your EMS stakeholders to accept and embrace system changes? Through this workshop, EMS leaders will learn how to engage stakeholders and drive system change. It's not about reinventing EMS innovation; it's about taking proven strategies and testing their local applicability and value. Attendees will leave with a clear approach to bring back to their respective systems to affect change.

BLS The ABCs of LGBT: Creating a Positive Space in the Back of an Ambulance

Michael Kruse, BSc (Hons), AEMCA, ACP

Evidence shows that LGBT people have a history of marginalization and stigmatization that interferes with their access to healthcare. This is sometimes reinforced overtly, but most often, it is the small hetero-normative decisions we make as prehospital care providers that build walls around LGBT patients. This presentation will provide a context for this discrimination, show evidence of harm to the health of LGBT patients, and offer suggestions for ensuring safe and inclusive care within the emergency services.

LEADERSHIP The Importance of Why: Digging into the Real Reasons We Do This Job

Kris Kaull, BS, NRP, CCEMT-P, FP-C

"I'm an ambulance driver." "I don't get paid enough." "People don't know what we do." Though these frustrations permeate nearly every aspect of our industry, they merely scratch the surface of the larger underlying problems centered around job satisfaction, customer service, and career growth. Of course, there's an answer. Do we want to hear it?

OPERATIONS/ MANAGEMENT The Journey to a Zero-Minute Response Time

Robert Luckritz, NRP, Esq.

In recent years, there has been much discussion about the role of EMS response times. However, few will dispute that there are certain life-threatening emergencies that require immediate intervention. This presentation examines the process one agency has taken to reduce the time to first professional medical contact for life-threatening emergencies to less than 3 minutes. Topics of discussion will also include the role of System Status Management, Predictive Modeling, and the use of dynamic deployment.

FRIDAY, NOVEMBER 2

8:00 AM–9:00 AM

OPERATIONS/ MANAGEMENT A Perfect Match: How Uniting EMS and Neurointerventionalists Can Drastically Improve Stroke Outcomes

Peter Antevy, MD

The first and last people to treat a critical stroke patient may be the most important drivers of stroke care in your community. In this presentation, you will learn how EMS professionals and neurointerventional radiologists can unite to create meaningful change in your community. Come and learn how to navigate the politically-charged topic of stroke to affect meaningful change.

EDUCATOR Attitude Determines Outcomes: The Importance of Affective Domain Assessment

Jennifer McCarthy, MAS, NRP, CHSE

EMS providers have to work in environments that are challenging and often require firm behavior to mitigate the various challenges presented during patient treatment. These behaviors can become habits that interfere with effective team communication and patient safety. This session will explore the importance of assessing behaviors during simulation activities and how to assist learners with improving their affective domain.

PEDS/GERI/ SPECIAL POP Back to Basics: Emergency Care of Crashing Kids

Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P

Caring for a critically ill child can cause anxiety and fear in even the most seasoned medical professional. This lecture will review the essential components of a rapid pediatric assessment, along with some "just like adults" treatment tips. Through the use of real-life case studies, attendees will come away with a better ability to assess and provide care for crashing kids.

LEADERSHIP CPR in Schools: Not as Easy as ABC without Enough 123

Teri Campbell, RN, BSN, CEN, CFRN

CPR and AED education in schools has been mandated in 35 of 50 states. One of the most difficult barriers is addressing the unfunded mandate. Many states are struggling financially to provide students with the basics to support core subjects. How can challenged school systems find the resources to meet state mandates? Come to this fun, proactive lecture to learn how your state can successfully provide schools and educators with the educational and financial support they need to make CPR in schools a success.

LEADERSHIP Disrupters in EMS

Ed Racht, MD

There are two main complaints about EMS: "I'm sick and tired of the same old thing," and "I hate change." Any profession or practice of medicine (like EMS) has to continuously evolve based on the understanding of the art and science of healthcare, as well as the impact of external factors we often have no control over. Unlike the past, EMS now has an assigned seat at the healthcare table, and it's the opportunity of a lifetime to shape the future of our EMS practice. Join Ed as he navigates these uncharted waters to respond to the changes driving healthcare in our world.

BLS Drug-Seeking Patients: The Biology of Their Behavior and Why They Need Compassion

Steven Mountfort, BS, CCEMT-P, NCEE; Robert Brandt

Patients with substance use disorders and drug-seeking behaviors make up a large percentage of an EMS clinician's total call volume. This lecture will discuss what happens inside the brain of these patients, as well as the pathophysiology and neurobiology involved in the disease of addiction. Attendees are encouraged to bring their opinions and experiences for an informative and frank talk about this special, but large, patient population.

ALS Forensic Cases in ALS Airway Management

Paul Werfel, MS, BS, CIC, NREMT-P

We all know inserting an endotracheal tube or other ALS airway adjunct is difficult and fraught with risk. But do we really know the risks? What happens when things go terribly wrong? A sane, complete, and comprehensive discussion of the matter is long overdue. Join author and noted standard-of-care witness Paul Werfel as he covers case studies that highlight issues involved from EMS arrival to court decision and disposition.

OPERATIONS/ MANAGEMENT Global EMS: Who is Doing What, Where, and Why

Rob Lawrence, MCMI; Dov Maisel; Linda Dykes, MBBS (Hons), FRCEM

The world of EMS is a relatively small place. Presenters Rob Lawrence (US/UK) and Dr. Linda Dykes (UK) will identify practice profiles and procedures from around the prehospital and paramedic world, from the recognition of paramedics as a profession in both the UK and Australia to the evolution of EMS in South America and the trends of mobile and truly integrated healthcare in the U.S.

ALS Important EMS Research from 2017–2018: Ten Minutes at a Time

Kenneth Navarro, MEd, LP

This presentation will review the results of five research studies published in 2017–2018 that may change the way EMS personnel care for patients in the near future. This session will examine a novel approach to increasing cerebral perfusion for patients receiving chest compressions, IO and IV access in the management of out-of-hospital cardiac arrest, an alternative technique for providing chest compressions to infants, the effect of body camera use on the accuracy of EMS documentation, and whether EMTs can safely use CPAP in the absence of paramedics.

BLS Myth Busting LIVE! Answering Your Questions with a Real-World EMS Dataset

Jeff Jarvis, MD, EMT-P; Scott Bourn, PhD, RN, EMT-P

A follow-up presentation to Myth Busting, in which Drs. Jeff Jarvis and Scott Bourne used real-world data to bust EMS myths, this session will answer questions from the audience and social media (#Twitterverse, #FAOMed) in real-time using a large data source. They will use fun and entertaining topics to describe how to structure and answer great clinical questions. The audience will get to participate and watch data come to life!

MIH-CP National Guidance for Community Healthcare Programs

John Montes, MA

A new guidance document has been developed by a consensus of national leaders in the EMS community. This guide can be used to plan for and develop a community healthcare program based on the individual needs of the communities requiring service. Participants will walk through how this was developed and learn more about how they can input and lead changes as the industry shifts in the future.

MIH-CP Overcoming Resistance: Motivational Interviewing for the MIH-CP

Desiree Partain, MHA, CCP-C, CP-C, LP

For many, EMS is a desirable industry because it offers the ability to help others in need. But what do you do when you are faced with a patient who doesn't want help, is resistant, or ambivalent to change? Motivational interviewing is a therapeutic approach that moves an individual away from uncertainty and toward positive decisions based on accomplishing established goals.



CRITICAL CARE Out-of-Hospital Imaging and Treatment Modalities in Ischemic Stroke

Branden Miesemer, NRP, FP-C

This lecture looks at current and future modalities in the identification and treatment of ischemic stroke. Topics include the efficacy and cost-efficiency of mobile CT stroke units, tPA, transcranial color-coded sonography (TCCS), and sonothrombolysis.



9:15 AM–10:15 AM

MIH-CP A Cry for Help: The Other Side of Community Paramedicine

Shane Hardwick, EMT-P

The “frequent flyers” of 911 can be frustrating to providers, but compassion for these patients must be maintained. The MIH-CP program Shalom (or “whole peace”) partners a paramedic and a police officer in a high-violence, high-volume neighborhood on the east side of Indianapolis. Together, the paramedic and officer gain trust and build relationships with the community through those frequent 911 calls.



EDUCATOR Best Practices in Test Item Development

Mark Terry, MPA, NRP; Donnie Woodyard, MA, NRP, MAML; Dennis Priebe, MA, CAPM

The quality of a test depends on the quality of its test items. Come to this session to learn strategies for brainstorming and assessing test content, and how to build quality control into your test development process. This session has essential content for anyone who makes and uses tests as a part of their job.

LEADERSHIP Bullies, Bigmouths, and Braggarts: Why a Culture of Intimidation is Holding Your EMS Agency Back

Dan Batsie, BA, NRP

Although it’s convenient to assess blame elsewhere, we need to recognize that our own culture of intimidation is pushing others away. Whether it be an “us against the world” attitude that prevents us from recognizing our own shortcomings or the outright bullying of our own personnel, too often our relationships are founded in mistrust, jealousy, and venom. This class will discuss how changing that culture leads to service and system level progress.

CRITICAL CARE Demystifying That Bag of Bottles

William Krost, MD, MBA, NRP

Many of your patients have that same gallon-size zip-top bag full of pill bottles. You record the drugs on your run report, but in most cases, you don’t have time to figure out what the drugs are. This session will reveal patterns in drug names and classes to enhance your ability to identify each drug and what its likely side effects and potential interactions are without ever picking up a textbook or searching through an app.



BLS Driving EMS Forward: A Rockstar Panel of Women in EMS

Carissa Caramanis, EMT-B

While women make up less than 30 percent of the EMS workforce, there are those who have excelled in this largely male-dominated field, providing tremendous leadership and an example to both their male and female colleagues. Carissa Caramanis, a long-time advocate and consultant for EMS, will moderate this panel of rockstar EMS women who will share their personal stories and perspectives for a discussion unique to the national EMS stage.

OPERATIONS/ MANAGEMENT FirstNet Possibilities: Dedicated Public Safety Mobile Broadband Communication is Here for EMS

Brent Williams, EMT-P

The FirstNet public safety mobile broadband communications network is available for use nationwide. But what does that mean for the EMS responder or medical control physician? This session will give attendees a full understanding of how a reliable and robust mobile broadband communications system benefits patient care and enables new diagnostic and treatment capabilities, particularly for rural areas and in Community Paramedicine programs.

ALS Mechanical CPR: A Deadly Simple Procedure?

Michael Levy, MD, FAEMS, FACEP, FACP

Mechanical CPR is becoming more popular in the U.S. for resuscitation. However, the science does not support it as improving outcomes. Is there a safe method to deploy this technology? The presenter will provide evidence and guidance for how mechanical CPR can be effectively deployed.

BLS Motor Vehicle Collisions: On the Highways and Back Roads

Ken Bouvier, NREMT-P

At the completion of this session, attendees will have a better understanding of how the body can be injured in a collision. The National Highway Traffic Safety Administration (NHTSA) would like EMS practitioners to stop using the term “accidents” and instead use “collisions.” We will discuss the mechanism of injuries and kinetic energy, among other things, and use a unique slide presentation that shows how some injuries occur from safety devices such as seat belts and air bags.

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

Amy Eisenhauer, EMT

Mentoring has long been a tradition in the medical profession, yet it is an underutilized tool in the EMS arsenal. Many EMS providers feel stagnant 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 benefits of a mentoring relationship and expectations of both the mentor and mentee.

LEADERSHIP Supervising Former Peers

Matthew Streger, Esq., MPA, NRP

EMS supervisors and managers are frequently promoted from staff positions within their organization but not often trained or prepared for these new roles. One of the most difficult parts of this transition is when people are asked to supervise former peers. Given the nature of interpersonal dynamics in EMS, this is an especially significant challenge. This lecture will review numerous areas where conflicts exist, provide best-practices for how to prevent problems from occurring, and respond to issues that do arise.

PEDS/GERI/ SPECIAL POP The Panic Zone: Initial Management of Pediatric Arrest

Shaun Fix, NRP, PMD

This session, a real-life look at running a pediatric code, begins with a review of the pediatric arrest physiology and stresses appropriate BLS management, followed by necessary and appropriate basic and advanced life support. Using live footage and emphasizing realistic treatment of the arrested child, our goal is to help reduce attendees’ anxiety and make them feel more comfortable with performing skills and understanding expected outcomes in the pediatric code situation.

ALS Top 10 EMS Myths

Sean Kivlehan, MD, MPH; Kevin Collopy, BA, FP-C, CCEMT-P, NRP, CMTE

Was everything you learned in paramedic school a lie? Kevin, an active paramedic and long-time educator, and Sean, an EM physician and past paramedic, will bust some of the most common myths out there. Do you need to start an IV on everyone? How about treating cardiac asthma? Do orthostatic vital signs work? Other topics will include hemostatic dressings, transport and response times, and sucking chest wounds, among others.

MIH-CP Unique Approaches to the Opioid Epidemic: A Panel Discussion

Dan Swayze, DrPH, MBA, MEMS; Robert Brandt; Andres Mercado, EMT-P, MA; Ramos Tsosie, NREMT-P, FPC; Nahum Ip, MA, MEd; Michael Dailey, MD, FACEP, FAEMS

Starting in October 2016, BC Emergency Health Services (BCEHS) noticed a significant rise in opioid overdoses (ODs), and more vials of naloxone were required to reverse the ODs. In this session, we will draw on the experience of BCEHS to demonstrate how to deal with an increased demand on the EMS system, recognize the “new normal,” work with other allied health agencies to support one another, explore “outside the box” ideas, and ensure resilience among our EMTs.



OPERATIONS/ MANAGEMENT Up in Smoke: Impact of Marijuana in the Workplace

Ronald Thackery, JD; Vance Knapp, JD; Darrell Brown, BA; Cindy Tait, EMT-P, RN, MPH

It’s a topic that impacts virtually all EMS providers: How legislation surrounding recreational and medical marijuana use will impact businesses. Under federal law, it remains illegal to distribute, prescribe, purchase, or use marijuana outside of medical research. Today, everyone in EMS must understand the laws and relevant legal decisions pertaining to marijuana in each state where their business operates. This session will provide attendees with the latest legislative information related to the use of marijuana in the treatment of work-related injuries and illnesses.

PEDS/GERI/ SPECIAL POP Prehospital Care of Children with Special Healthcare Needs

W. Scott Gilmore, MD, EMT-P, FACEP, FAEMS; Mark Levine, MD, FACEP, FAEMS

Children with special healthcare needs, especially those who are technology-dependent, frighten most prehospital providers. This presentation will cover what a provider should do when the technology upon which the child is dependent suddenly stops working. Home medication administration for select rare diseases will also be discussed

1:00 PM–1:30 PM

LEADERSHIP An Update on the National Coordinated EMS Personnel Database

Mark Terry, MPA, NRP; Donnie Woodyard, MA, NRP, MAML

In partnership with the commissioners of the Recognition of the EMS Personnel Licensure Compact (REPLICCA), the National Registry of EMTs is creating the nation’s first national database to verify state licensure information, the Privilege to Practice extended by REPLICCA, and license discipline for EMS providers. The National Coordinated EMS Personnel Database, developed in collaboration with the State Offices of EMS and NASEMSO, not only provides the technology foundation required to implement REPLICCA, but also provides a user-friendly gateway for anyone to verify an individual’s state EMS license, their NREMT status, and any reportable disciplinary actions.

ALS Atrial Fibrillation: Beyond the Basics and What to Watch Out For

Jared Ross, DO, FF/EMT-T

Atrial fibrillation is the most common cardiac dysrhythmia encountered by both EMS and emergency department personnel. Providers will gain a better understanding of the etiology and physiology of atrial fibrillation as well as the acute and long-term risks faced by patients. Attendees will also learn signs and symptoms that suggest atrial fibrillation as a presentation for more serious underlying medical conditions.

ALS Going from Audacious to Sagacious: Managing the Difficult Airway

Anthony Cascio, MS, NRP

Generally speaking, the difficult airway comes in two flavors: anatomic and physiologic. Historically, EMS providers are far more familiar with the former than the latter. Failing to recognize and manage the physiologic airway can result in complications up to and including unnecessary patient death. This presentation will review how to identify and manage the physiologic difficult airway and discuss the implementation as well as the results of implementing such strategies in your department.

MIH-CP Canadian Standards Association: Community Paramedic Standard Development

Michael Nolan, MA, CCP(F)

This session will overview the development and outcomes of the Canadian Standards Association Community Paramedic Program Standard. The standard sets out definitions and recommendations related to the essential components in the creation, validation, or licensing of a Community Paramedic Program.



BLS Cardiac Arrest: EMTs Saving Lives

Michael Dailey, MD, FACEP, FAEMS

It has been said that paramedics save lives, but EMTs save paramedics. Maybe that’s true, but when it comes to cardiac arrest, EMTs save lives! Let’s look at data from some of the best sources around and review the impact that good BLS can have on lives saved in your community.

OPERATIONS/ MANAGEMENT EMS and Terror Events: All Hazards are Not the Same

Jonah Thompson, NRP, CP-C

While an all-hazards approach has improved the entire spectrum of emergency planning and response, critical distinctions may still be overlooked in the absence of local experience with hostile acts. This presentation will explore historical examples of events, examine the definitions and language used by various government and academic bodies, and provide practical preparatory and force-protection suggestions for EMS and public-safety agencies.

BLS Ever Considered Medical School? Here’s What’s Involved

Baxter Larmom, PhD, MICP

If you have ever considered medical school in your future but are unsure about what is involved, then come and learn. Dr. Larmom has counseled and mentored hundreds of EMS providers who have gone to medical school. Come and see what your future could be.

BLS Fluid Resuscitation Without an IV: EMTs Can Treat Shock

Kenneth Navarro, MEd, LP

Aggressive out-of-hospital fluid administration in patients suffering from traumatic injury increases blood loss and mortality. Instead, experts recommend a strategy of permissive hypotension. Researchers recently developed a device that increases blood return to the heart, thereby increasing cardiac output and cerebral perfusion while lowering intracranial pressures without an IV. This presentation will examine how rescuers can increase a hypotensive patient’s blood pressure without ever having to spike an IV bag.

OPERATIONS/ MANAGEMENT 48-Hour Backcountry Survival Challenge: Got Skills?

Nathan Morreale, BS, FP-C, NRP; Deborah Witte, RN, CCRN

Could your crew survive in the event of an unscheduled remote landing? Every year, AirMed trains their flight teams on survival techniques, and they decided to put their skills to the test. Join us as we take you through this groundbreaking exercise with raw footage of our crews working through a difficult, yet realistic, survival scenario.

EDUCATOR The Sims: How Human Patient Simulations Can Affect Your Patient Outcomes

Lee McMurray, MSN, RN, CEN, CFRN, CMTE, NRP

With budgets being cut and reimbursement falling, we must find a better way to train our crews to respond to a myriad of emergencies. Using human patient simulation can bridge the gap from school to the streets by teaching foundational skills as well as complex high-risk maneuvers with added benefits, such as being able to reproduce each aspect of the scenario consistently.

PEDS/GERI/ SPECIAL POP When Childbirth Goes Wrong: Managing Complications in Field Delivery

Joshua Borkosky, BS, FP-C, NRP

This session will prepare EMS providers for the rare but stressful circumstance of dealing with complications during delivery in the prehospital setting. The topics discussed will include breech presentations, shoulder dystocia, and prolapsed cord. Basic neonatal resuscitation principles and potential maternal complications will also be addressed.

PEDS/GERI/ SPECIAL POP When Your Golden Years Begin to Tarnish: Geriatrics and EMS

Paul Werfel, MS, BS, CIC, NREMT-P

Most of us find dealing with elderly patients challenging. With American society “graying” at record levels, the EMS needs of the elderly will continue to increase. In 1983, 26 million Americans were over the age of 65. That number has now exceeded 40 million. As professionals, we need to be as proficient as possible with this material in order to treat this growing segment of the population effectively and respectfully.

CRITICAL CARE ECMO: Transporting the Critical Care Patient

John W. Krantz, III, CC-P, FP-C

In early 2017, Vanderbilt University Medical Center instituted an ECMO retrieval program. The team consisted of a physician, perfusionist, surgeon, and the Lifeflight crew (Flight Nurse, Flight Medic, and Pilot). This session will focus on the transport of the critical care and ECMO patient by ground and/or air. Some of the complications that can arise for emergency medical personnel in the transport of an ECMO patient will also be explained.



1:45 PM–2:45 PM

**EDUCATOR** 60 Top Tips for Educators in 60 Minutes

Rommie Duckworth, LP

This session delivers a ton of great tips to pass on to your students, colleagues, and fellow educators. With more than 20 years of experience as an EMS educator, author, and columnist for *EMS World*, Rom Duckworth will present tips to topple test anxiety, strategies to improve reading and test performance (both written and practical), and what every presentation needs to keep students engaged.

**ALS** A Researcher's Rite of Passage: How to Get Your First Scientific Poster Accepted

Linda Dykes, MBBS (Hons), FRCEM

Wherever you are in the world, presenting a poster at a scientific conference is the traditional rite of passage for new researchers, and even the simplest of projects stands a good chance of being accepted if you know how to play the game. But if you haven't done it before, it can be very daunting. This presentation aims to demystify the whole process, prepare attendees for what they can expect in the submission process, and offer simple tips for designing a poster, including the new trend toward infographics.

**LEADERSHIP** Bidding for Your Own EMS Agency

Ian Womack, AFS, BPA; Steven Knight, PhD

Mergers in healthcare systems and ambulance providers are creating more competition in our environment. Whether a fire department is attempting to enter into a market that has historically been held by a private provider or the political landscape has created a competitive environment for all interested parties to bid on local services, it is imperative that fire departments understand how to successfully compete. This interactive session will explore the economic and operational strategies and necessary framework to successfully compete for fire-based EMS systems.

**OPERATIONS/ MANAGEMENT** Can You Hear Me Now? How Current Healthcare Communication Practices Cause Deadly Mistakes and How to Solve Them

James Woodson, MD, FACEP; Brandon Means, RN, LP, CFRN, CCRN; Lee Varner, MS EMS, CPPS, EMT-P

Experts estimate that hundreds of thousands of patients die in the United States each year due to medical errors, and countless others survive but with worse outcomes. The Joint Commission says 80 percent of serious errors are caused by miscommunication during patient handoffs, leading to delays in care that may cost a STEMI patient her life or a stroke patient his ability to fully recover. Communities can no longer ignore this crisis in communication—and it's up to us to tackle the problem now.

**BLS** Check It Off: How to Ensure the Best Patient Care by Using EMS Checklists

William Toon, EdD, NRP

This presentation will provide the participant with an understanding of checklists and how they can have a positive impact on all aspects of EMS practice. Aviation has been using checklists since the 1930s and healthcare has now embraced the checklist. As part of the healthcare continuum, it is just as vital for EMS to utilize checklists.

**MIH-CP** Closing the Value Loop: The Integrated Part of MIH-CP

Jonah Thompson, NRP, CP-C

While the future of value-based care payment models and the shape that future healthcare financing will take is unclear, highly effective healthcare organizations are continuously seeking improvements in how care is delivered and what outcomes should be measured. An understanding of pay-for-value programs and the types of incentives that dominate the healthcare financial landscape will be discussed as well as how MIH-CP programs can better integrate into those efforts with key data collection requirements.

**MIH-CP** Community Paramedicine: Overview of the Alameda Project and a Financial Model for Your Program's Success

Daniel Gerard, MS, RN, NRP

This presentation will provide an overview of the challenges and successes of the Alameda Fire Department's community paramedic program and how to successfully manage your own program by making it financially viable. Before you move toward capitation, learn about its dangers and why it may not work for you. Also, find out how you can access Medicare and Medicaid reimbursement on day one of your program and why the industry does not need to change the regulations.



**CRITICAL CARE** Intubation Doesn't Stop at the Vocal Cords: Tips and Troubleshooting from Ambulance to ICU

Leon Eydelman, MD

This presentation will approach intubation and care of the ventilated patient from the perspective of the intensive care unit, where resources and technologies not enjoyed by EMS can provide additional insight. Specific pitfalls and potential catastrophes will be explained and troubleshooting techniques provided. Evidence-based interventions shown to improve success and decrease mortality will be explored, with particular emphasis on how they can be adapted to out-of-hospital practice.



**BLS** Kneecap Dislocation or Knee Dislocation? Big Difference

Michael Dailey, MD, FACEP, FAEMS

What is the difference between a patella dislocation and a knee dislocation? More importantly, why should it matter to the average BLS provider? One is a severely painful injury that is easily cared for in the field; the other is a potential vascular emergency. Find out the difference and learn how they are treated. Can you care for these at home? If not, take away an idea that may change the spectrum of care in your state.

**ALS** Making a Difference in the Management of Acute Pain

Bill Lord, BHLthSC, GDipCBL, MEd, PhD

The management of pain is an important component of the care provided by paramedics and EMTs. However, research has shown that pain is often undertreated or not treated in many EMS settings. This session aims to enable attendees to identify barriers to effective pain management in their personal practice and discuss strategies for improving systems of care.

**OPERATIONS/ MANAGEMENT** Saving Our Providers: Occupational Risks Among EMS Personnel

Brian Maguire, DrPH, MSA, EMT-P

EMS personnel play an integral role in public health and safety worldwide. In the United States, almost 1 million EMS personnel respond to more than 30 million calls for assistance each year. Recent research has documented that the EMS profession is one of the most dangerous. This presentation will highlight the occupational risks for EMS personnel and review what we know about the types of injuries and events that cause the most risk.

**LEADERSHIP** Stop Blaming Volunteers: 10 Public Safety Leadership Pitfalls and How to Avoid Them

Dan Batsie, BA, NRP

With the growing trend of public safety department closures, it's convenient and safe for administrators to point to a shrinking culture of volunteerism. However, these leaders should be wondering whether people don't want to volunteer, or just don't want to volunteer for them. This session will discuss the link between effective leadership and retention and describe how the most common pitfalls of leadership are linked to employee loss.

**PEDS/GERI/ SPECIAL POP** Tattoos, Tongues, Teens & Trauma: Body Art Myths vs. Research Realities

Scott DeBoer, RN, MSN, CPEN, CEN, CCRN, CFRN, EMT-P

Though body modification has been practiced for thousands of years, only recently has it gained prevalence among teens and young adults. This presentation is given by an ER/transport nurse who has gained insight from piercers and tattoo artists from around the world regarding body modification and its implications for emergency care.

**BLS** The Great ALS vs. BLS Debate

Maggie Adams, BBA

Are you confident that your trip was ALS? The ambulance may have been staffed by paramedics, but the trip could still be BLS. Providers need to understand what determines whether the trip was BLS or ALS. Attend this session to learn how to determine the appropriate levels of service.

# Faculty

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# EMS WORLD EXPO 2018

takes places at the **Music City Center in Nashville, TN.**

Register early and book your hotel when your registration process is complete.



### Discounted Hotel Rates

We've negotiated travel discounts and secured a limited number of reduced-rate hotel rooms to make your trip to Nashville affordable. Through the travel experts at onPeak, rooms at the group rate are limited and available on a first-come, first-served basis.

Please be aware that onPeak is the only officially endorsed hotel provider for EMS World Expo. If you choose to book with a vendor not endorsed by EMS World Expo, we strongly encourage you to verify their credentials before doing business with them, and then independently confirm that your reservations have in fact been made and will be honored by directly contacting your chosen hotel, airline, and/or rental car company.

To view or book available hotel/travel deals through onPeak, visit [www.emsworldexpo.com/accommodations](http://www.emsworldexpo.com/accommodations).

The cutoff date for Special Rates for the below hotels is October 7, 2018.

**Hyatt Place Nashville Downtown**  
Rate: \$255 single/double occupancy per night

**Renaissance Nashville**  
Rate: \$239 single/double occupancy per night

**Sheraton Grand Nashville Downtown**  
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The cutoff date for Special Rates for the below hotels is October 14, 2018.

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Rate: \$239 single/double occupancy per night

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**Hilton Garden Inn Downtown/Convention Center**  
Rate: \$239 single/double occupancy per night

**Hilton Nashville Airport**  
Rate: \$189 single/double occupancy per night

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Rate: \$264 single/double occupancy per night

**Holiday Inn Express Airport**  
Rate: \$174 single/double occupancy per night

**Holiday Inn Express Downtown**  
Rate: \$245 single/double occupancy per night

**Homewood Suites Downtown**  
Rate: \$239 single/double occupancy per night

**Hotel Indigo Nashville**  
Rate: \$235 single/double occupancy per night

**Millennium Maxwell House Nashville**  
Rate: \$179 single/double occupancy per night

**Omni Nashville**  
Rate: \$289 single/double occupancy per night

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### New Housing Policy

Effective August 31, 2018, there will be a non-refundable deposit required for all EMS World Expo hotel reservations. Check individual hotel policies while booking for more information.

### Airfare Discounts and Reservations

Airfare discounts of up to 10% for EMS World Expo participants are available through various airlines. Discounts are valid on travel from October 26, 2018 to November 5, 2018. Book your flight by contacting:

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3-Day Conference	\$445	\$475	\$575
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2-Day Conference	\$325	\$350	\$450
1-Day Conference	\$210	\$240	\$340
Exhibit Hall			
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Teleflex: Prehospital Emergency Care Procedural Cadaver Lab	\$100	\$135	\$160
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EMS Supervisor Leadership Academy 2.0	\$240	\$265	\$285
Lunch & Learn: Integrating Mental Health Awareness into Department Life (Wednesday, 10/31)	\$10	\$10	\$10
Lunch & Learn: Unrecognized Respiratory Compromise: Better Clinical Decisions Using Data (Thursday, 11/1)	\$10	\$10	\$10
Patient Safety Boot Camp	\$155	\$180	\$210
National Association of EMS Physicians® Medical Direction Overview Course	\$240	\$265	\$280
Pediatric Procedures, Practice, & Playtime: Hands-On Emergency Anatomy & Skills Review	\$165	\$190	\$220
Provider Wellness and Mental Health Symposium	\$155	\$180	\$210
Processing Stress and Building Resilience Through Yoga	\$100	\$135	\$160
Data and Technology Summit	\$10	\$10	\$10
Revenue Reimbursement Workshop	\$10	\$10	\$10
Creating Evidence-Based Practice for EMS in Integrated Healthcare	\$235	\$255	\$275
The Teaching Course	\$195	\$220	\$250
The Pittman Course (2-Day Course) - IAFCCP Member Price	\$250	\$350	\$350
The Pittman Course (2-Day Course) - Non-Member	\$350	\$400	\$400
NAEMT Workshops			
World Trauma Symposium: EMT/Paramedic/Nurse/Other	\$240	\$265	\$285
World Trauma Symposium: Physician	\$315	\$340	\$360
AMLS Basics	\$245	\$270	\$290
PHTLS 9th Edition Instructor Update	\$75	\$75	\$90
All Hazards Disaster Response	\$225	\$250	\$270
Hands-On Cardiac Dissection	\$40	\$40	\$40
Group Rates			
3-Day Conference: 3–5 People	\$315	\$350	\$415
3-Day Conference: 6+ People	\$275	\$310	\$375

Refer to pages 16–19 for detailed information on all workshops. Information contained herein is subject to change without notice.

#### GROUP DISCOUNT

The group discount cannot be combined with any other discounts. All groups MUST be registered at the same time. Group registrants do NOT have to be from the same agency/department. Discount applies to 3-day conference only.

#### MILITARY

Military attendees are required to show active or retired Military Photo-ID-CAC card onsite to receive the discount.

#### CANCELLATION POLICY

Please note that the cutoff date for cancellation is September 14, 2018. All cancellations must be received in writing and postmarked by that date. Full registration amount (less a \$100 processing fee) will be refunded only to cancellations received in writing that are postmarked by the above date. No refunds will be issued after September 14, 2018 for any reason—no exceptions. Registrants wishing to cancel may send someone to take their place without penalty if they send the replacement person's name by October 15, 2018. If you do not cancel and do not attend the event, you are still responsible for the full payment. All cancellations must be submitted in writing and emailed to [EMSWorldExpo@hmpglobal.com](mailto:EMSWorldExpo@hmpglobal.com) for consideration.

No refunds are offered for classes that may be suspended or shortened due to weather or other conditions or circumstances beyond HMP's control.

Transportation reservation cancellations must be handled by the individual registrant directly with the airline and/or other company. Hotel cancellations made on or before 10/14/2018 must be handled by the individual registrant directly with onPeak. Cancellations made after 10/14/2018 must be handled by the individual registrant directly with your respective hotel.

**PLEASE NOTE: On or after Friday, August 31, 2018, your hotel will charge your credit card a deposit. This deposit is NON-REFUNDABLE. Individuals who cancel their hotel reservations after Friday, August 31, 2018 will not be refunded for the deposit.**

#### CHILDREN

Enjoy up to two complimentary Youth Exhibit Hall Only passes for children 16 years of age or younger. Adult supervision is required at all times. No more than two children per registered adult; proof of age may be required.

#### SESSION SEATING

Seating is limited for all session rooms and is available on a first-come, first-served basis.

#### ADA DISCLAIMER

If you have a disability or require special services or accommodations in order to participate in EMS World Expo, please call 877-878-3153, or email us at [EMSWorldExpo@hmpglobal.com](mailto:EMSWorldExpo@hmpglobal.com).

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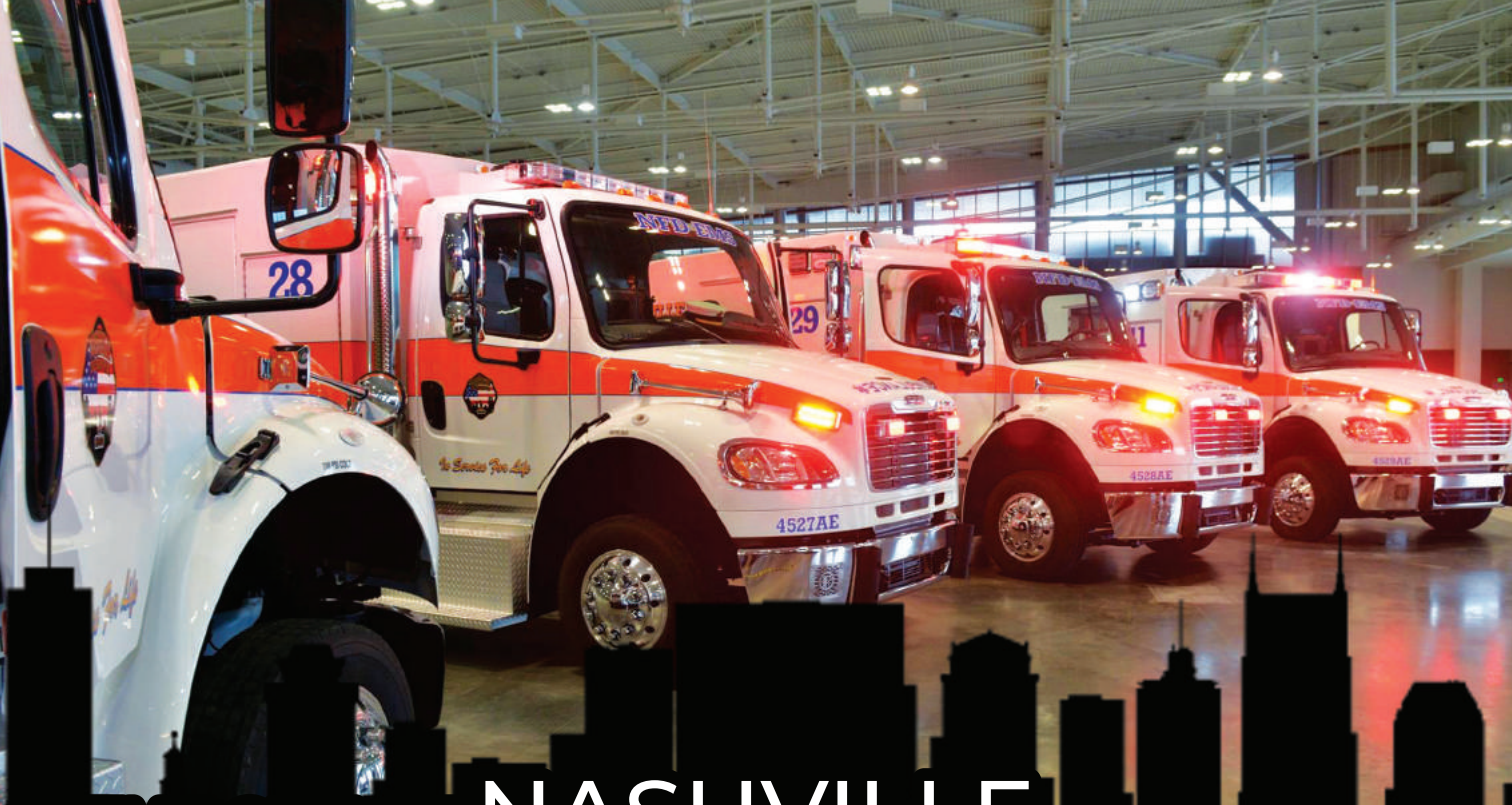
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