

EMSWORLD

In Partnership With

NAEMT EXPO

October 29 – November 2, 2012

Ernest N. Morial Convention Center | New Orleans, LA

North America's Largest EMS Event



Register Before
September 28
and Save \$70!

EMSWorldExpo.com

Co-located with: **ENFORCEMENT EXPO** NEW ORLEANS  **world trauma SYMPOSIUM**

Look on page 24
for information

Supplement to EMS World



A REVOLUTION IN EMERGENCY CARE

NEW DESIGN

FLOWSAFE® II

DISPOSABLE CPAP SYSTEM

ADVANTAGE N° 1:
**OVER 50%
LESS OXYGEN
CONSUMPTION**

Uses less oxygen while delivering high FiO_2 .

ADVANTAGE N° 2:
**BUILT-IN
MANOMETER
& PRESSURE RELIEF VALVE**

Verifies delivered CPAP pressure.

ADVANTAGE N° 3:
NEBULIZER (IN-LINE CAPABILITY)

Clinicians can administer meds without the need for mask removal.

ADVANTAGE N° 4:
ADVANCED MASK DESIGN

Lightweight contoured mask and nylon headpiece provide a better seal and comfort.



SAFE. SURE. SUPERIOR. CPAP

When time is of the essence. When accuracy is critical. When life-saving Emergency Care is in your hands, count on the new Flow-Safe® II CPAP System. A major leap in product innovation, it takes Emergency Care to a whole new level ... Over 50% less oxygen consumption with high FiO_2 delivery and uses **Standard Flowmeters**.

Visit the Mercury Medical Booth #2128 at the EMS World Expo,
Ernest N. Morial Convention Center, New Orleans, LA,
October 31 - November 2, 2012

Mercury Medical®

www.mercurymed.com





Because EMS matters.

You make a difference in your local community every day. Why not make a difference to your profession by joining your national professional association?

More than 32,000 strong, the National Association of Emergency Medical Technicians (NAEMT) is the only national association representing the professional interests of all EMS practitioners. NAEMT is YOUR association – and every member matters.

Plus, can you afford **NOT** to join? As a member of NAEMT, you enjoy great benefits and discounts that far surpass the low \$40 cost of membership. Benefits include:

- A members-only discount of 25 percent off select 5.11 Tactical, Inc.™ merchandise
- \$10,000 in AD&D insurance coverage, included with your membership
- A voucher worth up to \$15 towards any NAEMT continuing education course
- Free online continuing education credits from CentreLearn and Medic-CE
- A \$150 award upon enrollment and a 10% discount on The College Network courses
- Eligibility for \$35,000 each year in educational scholarships
- Free subscriptions to *EMS World Magazine* and other publications... and more!

Plus, you receive a **\$125 members-only discount** to attend **EMS World Expo!**

NAEMT is YOUR professional association.
Join today.

www.naemt.org | 1-800-346-2368



TABLE OF CONTENTS

Special Events & General Info	6	Preconference Programs.....	14
Exhibitor Listing	10	Conference at a Glance.....	18
NAEMT Annual Meeting.....	12	Conference Program	25
		Pricing	46

Event Schedule:

PRECONFERENCE PROGRAM
Monday, October 29 and
Tuesday, October 30
 8:00 am – 5:00 pm

OPENING CEREMONIES & KEYNOTE
Wednesday, October 31
 10:00 am – 11:30 am

CONFERENCE PROGRAM
Wednesday, October 31
 8:15 am – 4:45 pm
Thursday, November 1
 8:00 am – 5:45 pm
Friday, November 2
 8:00 am – 2:30 pm

EXHIBIT HALL
Wednesday, October 31
 11:30 am – 6:00 pm
Thursday, November 1
 11:00 am – 4:30 pm
Friday, November 2
 10:00 am – 2:00 pm

Supporting Organizations



Corporate Sponsors



Photos: Josh Kennedy, www.kennedyphotocreations.com (cover, pg 9); Glenn E. Ellman

WHY ATTEND EMS WORLD EXPO?

- Explore the largest exhibit hall of EMS products, technologies and services anywhere in North America
- Earn CEUs from the top educators in EMS
- Experience exciting and dynamic special events, including ride-alongs with local agencies the week of Halloween

EMS World Expo provides the perfect opportunity to update your clinical skills, learn about new operational developments, test-drive the latest EMS products, and network with thousands of fellow EMS providers from across the United States and around the world.

Our preconference classes offer in-depth learning on cutting-edge topics. This year you can improve your anatomical knowledge with our **hands-on cadaver lab**, learn how to develop **case-based training scenarios**, find out how to implement a **community health paramedic program** or understand issues relating to social media management and other **human resource** dilemmas in EMS.

Highlights of this year's core conference program of more than 120 sessions include:

- **Oxygen Therapy:** New Evidence, New Fears
- **To Transport or Not To Transport:** Pediatric Refusals Gone Wrong
- **Video Laryngoscopy:** Join the Revolution
- **Cardiac Kids:** A Review of Pediatric Cardiac Development
- **Educated to Kill:** How EMS Education Preprograms Medical Errors in Future Clinicians

Plus don't miss the chance to attend these EMS World Expo exclusive sessions:

- **EMS in the Big Easy:** Hear about the operational and clinical advances made by New Orleans EMS
- **Bath Salts:** The Louisiana Experience: Louisiana was at the nexus of the explosion of bath salts calls in late 2010
- **EMS Advocacy Basic Training:** Learn ways to engage state legislators, EMS officials and other state and local leaders who control how federal money gets spent

What are attendees saying about EMS World Expo?

This was my first national conference. My overall experience was an 11 out of 10. The class selection was incredible!

-Kimberly Rundecker, Haskell, NJ

Great event! This year's exhibit hall was fantastic—largest I've ever seen!

-Ray Blaum, Lake City, CO,
Hinsdale County EMS

Excellent resource, up-to-date info, top-notch speakers, relevant material and fun.

-Linda Collier, Santa Rosa, CA

We had a great time and are buying many of the products we saw in the exhibit hall. We are already planning for New Orleans!

-Lenda Greene, Regina, NM

ENFORCEMENT EXPO **NEW ORLEANS**

Once again, Enforcement Expo is co-located with EMS World Expo, and will provide law enforcement professionals the opportunity to see the latest in

technology, products and services in the exhibit hall, attend educational sessions covering timely topics and network with peers. Visit EnforcementExpo.com for more details.

NEW FOR THIS YEAR!



Hosted by: NAEMT's PHTLS Committee and EMS World Expo

A new event from the creators of the world-renowned

Prehospital Trauma Life Support Program (PHTLS), presenting

the latest information on the care of prehospital trauma patients and global trends in trauma care from internationally recognized experts. For more details see page 24.

SPECIAL EVENTS & GENERAL INFO

NAEMT General Membership Meeting and Awards Presentation

Tuesday, October 30
5:30 pm – 6:45 pm

The NAEMT General Membership Meeting and Awards Presentation on Tuesday evening brings together our family of NAEMT members to hear from our president on the activities and successes of the association during the year. At the meeting, we also introduce our board members, outline goals for the coming year, thank our volunteers and sponsors, and recognize outstanding individuals working in EMS through the presentation of national awards.

NAEMT Reception

Tuesday, October 30
6:45 pm – 8:30 pm

Sponsored by: National Registry of Emergency Medical Technicians and EMS World

Immediately following the General Membership Meeting, join us for the *NAEMT Rendezvous Reception* for all NAEMT members and invited guests. Come network with other EMS professionals, mingle with EMS leaders, and above all, have fun and enjoy a delicious spread of food and drinks! Be sure to attend this once-a-year event.

Opening Ceremonies & Keynote Presentation

Sponsored by: **ZOLL**

Wednesday, October 31
10:00 am – 11:30 am

Join us during the opening ceremony for award presentations honoring achievements in the industry, followed by our keynote presentation.



What Does the Data Tell Us? Rethinking Our Approach to Sudden Cardiac Arrest

Keynote Speaker:

Ed Racht, MD, Chief Medical Officer, American Medical Response

The five-year goal: Improve SCA survival rates by 50%. Hear how five states and American Medical Response (AMR) are developing best practices in all phases of cardiac resuscitation through an innovative demonstration project.

Despite pockets of success in places like Seattle and Rochester, MN, sudden cardiac arrest survival rates nationwide have hovered around 8%, largely unchanged for the last 20 years. Tackling this challenge head-on is the HeartRescue Project, which aims to bring together all the players needed in both the field and the hospital to ultimately make a difference. The project has partnered with universities in five states—Washington, Minnesota, North Carolina, Pennsylvania and Arizona—and AMR.

Even though the percentage of cases is small, cardiac arrest is an area where EMS can make a profound difference. Improving survival rates takes commitment, resources and a willingness to work together toward a common goal. Attend this inspiring and informative session to find out how your community can save more lives.



SPECIAL EVENTS & GENERAL INFO

SimLab

Sponsored by:

CAE Healthcare



Gaumard Ambu SmartBaby



FERNO
When It's Critical

ZOLL



Laerdal
helping save lives

Wednesday, October 31
Noon – 3:00 pm

Thursday, November 1
Noon – 3:00 pm

Friday, November 2
Noon – 2:00 pm

Exhibit Hall

Back by popular demand! Come try the simulation lab located on the exhibit hall floor. Work through scenarios using the most advanced products and simulators in prehospital care. Each station is manned by an instructor who will provide feedback on the performance of the participants.

NAEMT Silent Auction

Wednesday, August 31
11:30 am – 6:00 pm

Thursday, September 1
11:00 am – 4:30 pm

Exhibit Hall

Stop by the NAEMT Silent Auction booth during EMS World Expo exhibit hall hours on Wednesday and Thursday and view and bid on valuable EMS products of your choice! The silent auction is administered through the NAEMT Foundation to provide education scholarship funds for qualified EMS practitioners.



The EMS Situation Room:
NEMSMA Administrators,
Managers and Chiefs Forum
Wednesday, October 31
3:30 pm – 4:45 pm

Hear a panel of current EMS leaders discuss and debate the most pressing issues facing EMS today. Facilitated by the National EMS Management Association, the panel includes leaders from several EMS associations ready to share their insight. The questions are audience-driven, so don't be shy. This is your time to get some answers and join the national conversation.

Lunch and Learn

Sponsored by: ZOLL

Thursday, November 1
12:00 pm – 1:15 pm

This session is approved for 1.5 CEUs. When you register at EMSWorldExpo.com your \$10 donation will benefit the Firehouse Sub charity.

EMS World Expo presents: Big Easy Bash

Thursday, November 1
6:30 pm – 11:00 pm

Generations Hall

Join us for a night of food, drinks, dancing and networking. Tickets are \$30 per person and can be purchased when you register online, onsite and at the party.

Continuing Education Credit/Certificates of Attendance

This continuing education activity is approved by Cygnus Expositions, an organization accredited by the Continuing Education Coordinating Board for Emergency Medical Services (CECBEMS). CECBEMS-approved classes are accepted by the National Registry of EMTs (NREMT) for recertification requirements. One CEU is given per one-hour class. 1.5 credits are given per 75-minute class. All EMS World Expo conference programs are 75 minutes long. Attendees can earn 4 credits while taking the half-day pre-conferences and 8 credits for the full-day pre-conferences. There is no limit to how many CEU credits attendees can earn at EMS World Expo.

For questions regarding CECBEMS, please contact Liz Sibley at 972/247-4442 or e-mail lsibley@cecbems.org.

If you have questions or concerns, call 800/827-8009 or e-mail certificate@publicsafetyevents.com.



CADAVER LABS

Brought to you by:



Half-Day Cadaver Lab – Dead Man Teaching

Tuesday, October 30

Session P18 – 8:00 am – Noon

Session P19 – 1:00 pm – 5:00 pm

This nationally acclaimed educational lab experience will be led by a team of EMS educators experienced in procedural cadaver and high-fidelity simulation that will lead you on a hands-on, minds-on symphony in human anatomy and pre-hospital care techniques. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-access non-embalmed cadavers are reflected and fully exposed to allow the student the best visual and hands-on experience to enhance the session.



2-Hour Cadaver Lab – Dead Man Teaching 2

Wednesday, October 31

8:00 am – 10:00 am

10:00 am – Noon

1:00 pm – 3:00 pm

3:30 pm – 5:30 pm

These sessions will be limited to smaller groups offered in 2-hour time blocks. Join the team from Paragon Medical Education Group for a one-of-a-kind educational experience. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-body non-embalmed cadavers are brought to life with lifesaving procedures, techniques and tricks of the trade.

Class limit: 24 each session



Registration for Cadaver Labs is available through online registration at EMSWorldExpo.com

See Other Departments In Action!

Ride-alongs add another element to the education experience at EMS World Expo and can serve as inspiration to make modifications to operations and procedures practiced at home. Attendees can earn one CEU for each hour of their ride-along by completing the ride-along CEU form at onsite registration.



New Orleans EMS Bike Ride-Along

New Orleans Emergency Medical Services will be offering ride-alongs with their EMS Bike Team during EMS World Expo.

Ride-Along Times

Tuesday, Wednesday and Thursday
6:00 pm – 2:00 am



New Orleans EMS Ambulance Ride-Along

Ride along with New Orleans EMS during one the busiest times of the year. Two people are allowed to ride per shift.

Ride-Along Times

Tuesday, Wednesday and Thursday
Noon – 6:00 pm; 4:30 pm – 10:30 pm; 5:30 pm – 11:30 pm; 6:30 pm – 12:30 am

To sign up for New Orleans EMS ride-alongs please contact Mary Flynn at mary.flynn@emsworld.com or 952-808-3398

East Baton Rouge Parish EMS Ride-Along

East Baton Rouge Parish EMS is an all-paramedic EMS department that responds to over 50,000 9-1-1 calls annually. Four people per 4-hour time frame will be accepted to ride during the week of October 29 – November 4.

Ride-Along Times

Monday
2:00 pm – 6:00 pm; 8:00 pm – 12:00 am

Tuesday – Saturday
9:00 am – 1:00 pm; 2:00 pm – 6:00 pm; 8:00 pm – 12:00 am

Sunday
9:00 am – 1:00 pm; 2:00 pm – 6:00 pm

To sign up please contact Susan Bailey at sbailey@brgov.com

EXHIBITOR LISTING

Meet face-to-face with exhibiting companies for **EMS World Expo** and **Enforcement Expo** all in one exhibit hall!

**EXHIBIT HALL HOURS: WEDNESDAY: 11:30 AM – 6:00 PM;
THURSDAY: 11:00 AM – 4:00 PM; FRIDAY: 10:00 AM – 2:00 PM**

Here are just some of the exhibitors you will find at this year's show:

5.11 Tactical.....	1917	FareTec Inc.	1511	National Security Technologies.....	1155
Able Engineering	1301	Ferno.....	1028	North American Rescue Products	1308
Acadian Ambulance Service - National EMS Academy	1738	Fieldtex Products	755	NuMASK, Inc.	657
Advanced Circulatory Systems, Inc.	1322	Fire-Dex	1158	OGSI	1354
Airon Corp.	849	FireHouseFurniture	1051	Original SWAT Footwear	450
Airtraq LLC.....	963	FirePrograms Software	638	Osage Industries	1623
Akron Brass / Weldon Technologies.....	1227	First Line Tech	1311	OSI International, LLC	1800
Allcare, Inc.	1655	Fisher Sportswear	1318	O-Two Medical Technologies	1343
Alliance Fire and Rescue.....	650	Flotec	1527	Panasonic Systems Communications Co.	1239
Allied Healthcare Products, Inc.	1557	Frazer, Ltd.	1401	Pearson	1523
Alternative Support Apparatus (ASAP) ..	1549	GA Health Sciences University—COM ..	1246	PerSys Medical.....	1243
Ambu, Inc.	1717	Gaumard Scientific Co., Inc.	1918	PH&S Products	1829
AMBUTRAK	1628	Gerber Outerwear.....	1634	Philips	1327
American Emergency Vehicles	1018	GM Fleet and Commercial.....	531	Philips Speech Processing.....	444
American Heart Association	1211	GovX, LLC.	546	Physio-Control	1038
Armstrong Medical Industries	1330	Guardian EMS Products.....	1930	Printrex, Inc.	851
B. Braun Medical Inc.	1531	Haix North America, Inc.	756	Priority Care EMS.....	1847
BCCTPC - Board for Critical Care Transport Paramedic Certification.....	1902	Hale / Class 1	640	Prodaptive Medical Innovations Ltd. ..	1446
Biomedix, Inc.	1447	Harley-Davidson Motor Co.	227	Progressive Defense Systems LLC	2119
Bound Tree Medical, LLC.	1417	Hartwell Medical Corp.	1617	Progressive Medical International (PMI)	1205
Braun Industries, Inc.	1631	Health & Safety Institute/24-7	1251	REDpoint International, Inc.	1153
CAE Healthcare.....	1255	Horace Small / VF Imagewear.....	1804	Res-Q-Jack Inc.	1256
California University of Pennsylvania ..	326	HoverTech Intl.....	1810	RMS Medical Products	1656
Carey & Company Ltd.	656	IFSTA / Fire Protection Publications ...	1247	Road Rescue	1019
CDW-G.....	233	ImageTrend Inc.	1809	Rural/Metro Corporation	1622
Center for Domestic Preparedness	1245	Impact Instrumentation, Inc.	1219	SafetyPAD / OPEN Inc.	1049
CentreLearn Solutions, LLC.	1149	Intermedix	1326	SAM Medical Products	1338
Certified Ambulance Group	1451	International Association of Flight Paramedics	1904	Sansio	1801
Channing Bete Company, Inc.	1940	Int'l Police Mountain Bike Assn.	1928	Sartin Services Inc.	1357
Christie Medical	1146	Intubrite, LLC.	1157	Seidio	1803
CMS Solutions	1630	iPCR / Forte Holdings.....	954	Semiluids / NASCO	1901
Columbia Southern University.....	553	Jones & Bartlett Learning	1725	Skedco Inc.	1324
CompX Security Products	530	Kaplan Fire & EMS.....	958	Smith & Warren	1932
ComTech Communications	1620	Karl Storz Endoscopy.....	1342	Smiths Medical	1819
Conterra, Inc.	1056	Kemp USA.....	1548	SOG Armory.....	330
Cool Shirt by Shafer Enterprises	1858	Kforce Government Solutions, Inc. (KGS).....	1442	Southeastern Emergency Equipment...1	601
Crestline Coach.....	647	Kimberly-Clark Healthcare.....	1351	SSCOR, Inc.	1231
CSI Medical Inc.	1439	Knox Company	1913	Steck Manufacturing	151
Cypress Creek EMS.....	1611	Kussmaul Electronics Co.	1546	Stedfast Inc.....	1156
Delmar, Cengage Learning	1632	Laerdal Medical Corporation.....	2013	Stryker EMS	521
Demers Ambulances	1039	Life-Assist, Inc.	948	SunMed	1843
Digital Ally	567	Life-time Ventures, LLC.	539	Syndaver Labs	1047
Digitech Computer, Inc.	854	Livingston Innovations	2137	Taylor Healthcare Products, Inc.	1823
Divers Alert Network	2115	Masimo	1339	Taylor Made Ambulances	1939
Dragon Fire	1152	McCoy Miller	639	TCF Equipment Finance	1346
DRS Technologies.....	1533	McGraw-Hill Companies	1610	Texas Engineering Extension Service...1	310
East Baton Rouge Parish—EMS	439	McNeil & Co.	1938	The Clear Collar, Inc.	1347
Ecolab	1348	Mears Motor Leasing	220	Tiffn Metal Products	420
eCore Software Inc.	1848	MedicCast Productions, LLC.	865, 965	TNT Rescue Systems Inc.	1250
Elsevier Public Safety.....	856	Medic-CE.com, LLC.	1248	Topps Safety - Bristol Fire Apparel - Pro-Tuff Uniforms	1438
Emergency Medical Products	1833	MedicEd.com	2019	TransLite, LLC.	1147
EMS Management & Consultants, Inc.	1057	Medic-Vault	1440	University of Miami - Gordon Center ..	1910
EMS World.....	807	Medix Specialty Vehicles.....	1029	University of New Haven TEPP	1934
EMS1.com / Praetorian Group.....	1062	Medtec Ambulance.....	1005	US Department of Energy TEPP	859
EMSAR, Inc.	1223	Mercury Medical.....	2128	Verathon Medical	1618
emsCharts, Inc.	1450	MERET	1364	Veridian Limited.....	1909
EMSSled Tactical Inc.	2048	Metro.....	1249	VFIS.....	1949
EMSSHIRTS.COM	1304	Microflex Corp.	1519	Vidacare Corporation	1839
Enforsys / Emergency Software Products.....	557	Minto Research & Development, Inc. ...	1900	Ward Diesel Filter.....	1256
ESO Solutions	1048	Mobius Exchange, Inc.	1854	Wheeled Coach Industries.....	621
ESS Eye Pro	534	Moore Medical	1649	Whelen Engineering Company, Inc.	1305
Evac+Chair International Ltd.	526	NAEMT	1006	WileyX, Inc.	430
Ever Dixie EMS Supply Co.	520	NAEMT	1010	Wise Co., Inc.	1507
EVS, Ltd.	853	National Association of EMS Educators.....	2012	Xantrex Technology Inc.	644
Excellence Inc.	1501	National Creative Enterprises (NCE)....	1813	Z-Medica Corporation	2021
FAAC Incorporated	239	National Fire Protection Association....	1626	ZOLL Medical Corporation.....	1539, 1749
		National Safety Council.....	1612		

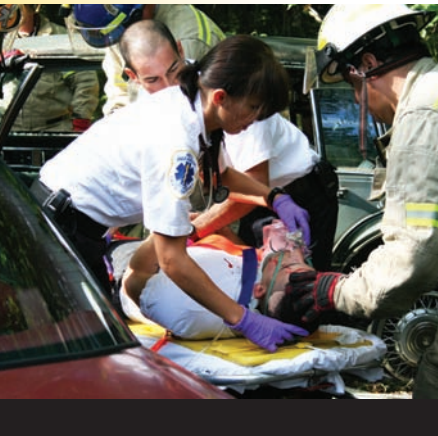
ANNOUNCING THE PREMIERE OF THE



world trauma SYMPOSIUM

November 1, 2012

**ERNEST N. MORIAL CONVENTION CENTER
NEW ORLEANS, LA**



A new event from the creators of the world-renowned Prehospital Trauma Life Support Program (PHTLS), presenting the latest information on the care of prehospital trauma patients and global trends in trauma care from internationally recognized experts.

Hosted by: NAEMT's PHTLS Committee and EMS World Expo

- Share the most up-to-date information on new techniques and protocols, lessons learned, and trends in the prehospital care of trauma patients.
- Build and enhance international relationships among prehospital trauma care specialists to facilitate the global exchange of information.
- Share issues and challenges faced in prehospital trauma care with an international audience and discuss how they may be addressed.



The registration fee covers the full-day program, including continental breakfast, luncheon, coffee breaks and a reception at the end of the program.

Registration fees are listed below:

	Pricing On or Before Sept. 28 / After Sept. 28	
Physicians	\$275	\$300
EMT/Paramedic/Nurse/Other	\$225	\$250
Half-Day Workshop		\$150

*Package pricing of this event with the three-day core EMS World Expo program is available. See page 46 for details.



Attendees will receive 8 hours of CECBEMS, CME, or nursing continuing education credit. Special discounts will be available for those who register for the core three-day EMS World Expo program. See page 46 for details.

FOR MORE INFORMATION visit www.worldtraumasymposium.com

NAEMT



Serving our nation's EMS practitioners

NAEMT Members: Attend Annual Meeting!

Enjoy the camaraderie of colleagues, networking opportunities, and the chance to get more involved in your professional association at the NAEMT 2012 Annual Meeting, to be held Monday through Wednesday, October 29-31, at the Ernest N. Morial Convention Center in New Orleans in conjunction with EMS World Expo 2012.

All NAEMT members are welcome to attend the Annual Meeting free of charge. Also open to all members are NAEMT committee meetings, the Affiliate Advisory Council Meeting, the General Membership Meeting and Awards Presentation, and the *NAEMT Rendezvous Reception*. Join us in the Big Easy—and, as they say, “Laissez les bons temps rouler!”

Business Meetings

Monday, October 29

9:00 am – 6:00 pm

Tuesday, October 30

8:30 am – 4:00 pm

Wednesday, October 31,

8:00 am - 3:00 pm

Committee meetings being held on Monday and Tuesday include Advocacy, Education, Finance, Health & Safety, Military Relations, Social Networking and Membership. In addition, the NAEMT Board of Directors, Affiliate Advisory Council and the NAEMT Foundation will meet. Even if you currently are not serving on a committee, you're welcome to attend those meetings of interest to you.

On Wednesday, the Annual Meetings of Advanced Medical Life Support (AMLS), Emergency Pediatric Care (EPC), and Prehospital Trauma Life Support (PHTLS) will be held.

For more information on NAEMT committees, visit www.naemt.org.

NAEMT General Membership Meeting and Awards Presentation

Tuesday, October 30

5:30 pm – 6:45 pm

The NAEMT General Membership Meeting and Awards Presentation on Tuesday evening brings together our family of NAEMT members to hear from our president on the activities and successes of the association during the year. At the meeting, we also introduce our board members, outline goals for the coming year, thank our volunteers and sponsors, and recognize outstanding individuals working in EMS through the presentation of national awards.

NAEMT Reception

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6:45 pm – 8:30 pm

Sponsored by: National Registry of Emergency Medical Technicians and EMS World

Immediately following the General Membership Meeting, join us for the *NAEMT Rendezvous Reception* for all NAEMT members and invited guests. Come network with other EMS professionals, mingle with EMS leaders, and above all, have fun and enjoy a delicious spread of food and drinks! Be sure to attend this once-a-year event.

Enjoy the NAEMT member discount of \$125!

NAEMT members receive a **members-only \$125 discount** on EMS World Expo registration. The discount applies only to the Three-Day Core Program individual registration fee. Discounts cannot be used with the Squad or Military Discount Rate, or toward preconference course registration fees.

To get the discount, just provide your membership number when selecting the Three-Day Core Program NAEMT Member Rate on the conference registration form.

Not currently a member? You can join when registering and get the discount, which is more than three times the total cost of your membership!

Scott B. Frame Memorial Lecture

Wednesday, October 31
2:00 pm – 3:15 pm

This lecture is held each year to honor Scott B. Frame, MD, FACS, FCCM, EMT-P, who made significant contributions

to NAEMT and its Prehospital Trauma Life Support (PHTLS) program.

Lt. Col. Robert Mabry, MD, FACEP, presents this year's lecture: Prehospital Care Advances: From the Battlefield to the Street and From the Street to the Battlefield.

Lt. Col. Mabry will discuss

lessons learned over the past 10 years of conflict that have been applied to current EMS care or that are potentially beneficial to the civilian EMS setting. He also will discuss how military battlefield care can gain from civilian EMS experience.

DATE	TIME	EVENT
Monday October 29	9:00 am – 12:00 pm	NAEMT Board of Directors Meeting
	1:00 pm – 3:00 pm	Health & Safety Committee Meeting
	1:00 pm – 3:00 pm	Advocacy Committee Meeting
	3:00 pm – 5:00 pm	Education Committee Meeting
	3:00 pm – 5:00 pm	Military Relations Committee Meeting
	3:00 pm – 5:00 pm	Social Networking Committee Meeting
	3:00 pm – 5:00 pm 5:00 pm – 6:00 pm	NAEMT Foundation Meeting Finance Committee Meeting
Tuesday October 30	8:00 am – 5:00 pm	EMS Safety Provider Course
	8:30 am – 10:30 am	Membership Committee Meeting
	11:00 am – 4:00 pm	Affiliate Advisory Council Meeting
	5:30 pm – 6:45 pm 6:45 pm – 8:30 pm	NAEMT General Membership Meeting and Awards Presentation NAEMT Member Reception
Wednesday October 31	8:00 am – 12:00 pm	PHTLS Annual Meeting
	1:00 pm – 2:00 pm	EPC Annual Meeting
	2:00 pm – 3:00 pm	AMLS Annual Meeting

PRECONFERENCE PROGRAM

2-DAY WORKSHOPS

**MONDAY,
OCTOBER 29 &
TUESDAY,
OCTOBER 30
8:00 am – 5:00 pm**

Beyond the Basics Workshop

Session P1

*Dan Limmer, AS, EMT-P,
Joseph J. Mistovich, MEd,
NREMT-P, & Dan Batsie*

This long-standing and popular preconference just got better! Dan Limmer and Joe Mistovich return with presenter Dan Batsie to bring you a new and improved two-day EMT preconference. In addition to the hallmark cutting-edge continuing education designed to inform and empower EMTs, your presenters will add case studies, exercises and demonstrations to highlight key information and create a dynamic learning environment.

ALS Refresher Core Content Workshop

Session P2

Paul Werfel & Art Romano

This ALS refresher workshop will focus on 16 of the 24 hours of mandatory core content required by the National Registry of EMTs to meet the objectives of the DOT Advanced Refresher. Attendance at this preconference will assist you in completing DOT Advanced Refresher requirements over a two-year period. This workshop will present content from these mandatory core content areas:

Airway Management-3 hrs (Preparatory)
Trauma-6 hrs (Trauma)
Pulmonary-2 hrs (Medical)
Cardiology-3 hrs (Medical)
OB/GYN-2 hrs (Medical).

Developing and Managing the Emergency Medical Services Field Training and Evaluation Program

Session P21

Troy Hagen, MBA, EMT-P, & Skip Kirkwood, MS, JD, EMT-P, EFO, CMO

This course is intended for EMS supervisors, educators, managers and executives who want to develop a legally defensible field training and evaluation program (FTEP) to integrate new employees into their agencies, or to strengthen and solidify an existing field training program. The EMS-FTEP is based on the "San Jose Model" field training and evaluation program, ubiquitous in the law enforcement community, and is utilized in numerous EMS agencies across the United States. This course is *not* intended for individual paramedics selected to or seeking to become EMS field training officers. Many senior EMS officers believe that once a new paramedic completes pre-service training they should be ready to "hit the street" and function as a productive member of an ambulance crew. In many agencies, this new paramedic will be expected to "lead" an EMT partner and to provide first-line ALS to critical patients. In today's EMS environment, this approach is no longer viable. EMS agencies must fill in the gaps in cognitive, psychomotor and affective performance for new personnel to be successful in the field. Liability is something every senior officer must be aware of and guard against, and professional, valid, documented training is the key to liability mitigation. Upon completion of this program, you will be able to implement the EMS Field Training and Evaluation Program (EMS-FTEP) in your agency.

Advanced Medical Life Support Course (AMLS)

Session P14

Brought to you by NAEMT
Faculty: AMLS Committee*

This dynamic two-day course focuses upon adult medical emergencies. The textbook and course promote an assessment-based approach to forming diagnoses and management strategies. Scenario-based, interactive lecture presentations and practical stations offer the opportunity for all levels of healthcare providers to review the pathophysiology, assessment and management skills of various medical emergencies. Providers' critical thinking and pattern recognition from past experiences and identifying the patient's cardinal presentation are key components of the AMLS assessment process. Topics discussed include: Respiratory, Cardiovascular, Abdominal and Neurological Disorders; Shock; Infectious Disease; Endocrine, Metabolic, Environmental and Toxicological Emergencies; HazMat; and WMD.

Successful completion requires competency on a written and practical evaluation. Advanced level healthcare providers with two years experience teaching at the ALS level who obtain an 84% or greater are eligible to participate in the instructor course immediately following the conclusion of the provider course on Tuesday evening.

Advance registration is required. Space is limited, so register early.

Emergency Pediatric Care Course (EPC)

Session P15

Brought to you by NAEMT
Faculty: EPC Committee*


Learn about the best in emergency care for sick and injured pediatric patients

through EPC, which provides a unique, advanced and in-depth scientific approach to the emergency care of pediatric patients, offering techniques that can help EMS practitioners rapidly and accurately assess life-threatening situations using the Pediatric Assessment Triangle (PAT), and incorporating family-centered care throughout all scenarios. The course gives students a practical understanding of respiratory, cardiovascular, medical and traumatic emergencies in pediatric patients, and lessons are consistent with current pediatric knowledge and skills. It also includes a component on caring for children with special needs. This course is approved for 16 contact hours by the Air & Surface Transport Nurses Association, an approved provider for the California Board of Registered Nursing.

The target audience for the accelerated two-part EPC Provider-Instructor program is experienced EMS educators with prior pediatric CME experience or interest. Qualified participants may attend the four-hour instructor course following the provider course on Tuesday evening. Proof of recognition as an instructor in any EMS certification licensure or CME course is required.

Tactical Combat Casualty Care Course (TCCC)

Session P16

Brought to you by  **NAEMT**
Faculty: PHTLS Committee

NAEMT offers the Committee on Tactical Combat Casualty Care's updated curriculum for the Tactical Combat Casualty Care (TCCC) course, utilizing highly trained instructors in both PHTLS and TCCC. The TCCC course was developed to customize the principles of good trauma care for successful use on the battlefield. Using PHTLS

principles, TCCC emphasizes three primary goals: 1. Treat yourself and the casualty; 2. Prevent additional casualties; and 3. Complete the mission.

The course is designed for military medics, corpsmen, and pararescuemen who are preparing to deploy in support of combat operations. Fully compliant with CoTCCC guidelines, the NAEMT TCCC course uses the PHTLS seventh-edition military textbook and offers 16 hours of CECBEMS continuing education credit and a certificate of completion. Participants are welcome to bring your tactical gear.

1-DAY WORKSHOPS

**TUESDAY,
OCTOBER 30
8:00 am – 5:00 pm**

Advanced Stroke Life Support (ASLS)

Session P3

*Angel "Al" Brotons, EMT-P,
Ivette Motola, MD, MPH, &
Robert Soto, EMT-P*

Developed by the Gordon Center for Research in Medical Education at the University of Miami Miller School of Medicine more than 10 years ago, the Advanced Stroke Life Support (ASLS) provider course addresses prehospital management of patients with acute stroke, using interactive discussion, hands-on workshops, multimedia resources and standardized patients (instructors that act out and simulate different stroke syndromes). The course includes a discussion of the differential diagnosis of stroke, rapid recognition of five major stroke syndromes, training in the use of the Miami Emergency Neurologic Deficit (MEND) exam, and education regarding the use of thrombolytic therapy in acute ischemic stroke patients.

Compressed Modular Emergency Response Radiological Transportation Training

Session P4

John Lund, FFEMT-P & Tom O'Connell, U.S. Department of Energy Transportation Emergency Preparedness

This 8-hour training program consists of seven 30-minute modules and three hands-on practical exercises. Students will receive a comprehensive review ensuring their understanding of radioactive material, radiological survey instruments and decontamination techniques for handling radiologically contaminated victims. Hands-on practical exercises verify the student understanding and knowledge of radiological principles, instrument operation, decontamination techniques and employing radiologically contaminated patient treatment practices is solid. The course includes use of "live" radiation sources in the practical exercises to reinforce learning.

Fundamentals of Airway Management

Session P5

Jeff Birrer, EMT-P, Christopher Dudley, EMT, Laura Wilkinson, ACNP-BC, Ric Wilkinson, EMT-P

This 6.75-hour course is designed for EMT-Basic and Intermediate providers. Through lecture and hands-on workshops, students learn airway anatomy, techniques for opening the airway, proper BVM techniques, use of airway adjuncts, Sellick's maneuver and BURP, how and when to use extraglottic devices and assisting with intubation.

PRECONFERENCE PROGRAM

Train the Trainer: Designing and Running an Injury Prevention and Wellness Program

Session P6

*Bryan Fass, ATC, LAT, CSCS,
EMT-P, Fit Responder*

Learn how to reduce on the line-of-duty injuries and worker compensation claims, while improving employee wellness and morale. This course will teach training officers, human resources personnel, risk managers, field training officers, peer fitness trainers and supervisors how to train staff on: 1) Muscular stabilization and the five steps of patient handling; 2) Injury prevention through tissue flexibility and mobility; 3) Patient handling and equipment handling; 4) Implementing safe and effective exercises to improve fitness while reducing injury; 5) How to utilize existing command structure to establish a system of oversight for proper ergonomics; and 6) How to define training modules for retraining, new employee orientation and FTO training. Plus learn how to change the culture and behaviors of field employees through biomechanical behavior modification, nutritional education, fitness, wellness and self care.

Ultrasound Guided Procedures

Session P22

Sponsored by:




Graham Snyder, MD, Amar Patel, MS, NREMT-P, CFC, & Brendan Berry, MD, FACEP

The future of critical care medicine is evolving daily. The need for critical care field providers to be trained in advanced procedures is always a topic of debate. In this session, which will combine both didactic presentations and hands-on training, we will

teach you how to utilize ultrasound for both simple and difficult procedures. Stations will be set up for the following scenarios: placing an IV catheter; completing a FAST exam; performing a cardiac US & CVP; diagnosing a pneumothorax; and performing an ICP measurement.

PHTLS Instructor Course

Session P12

*Brought to you by 
Faculty: PHTLS Committee*


The PHTLS Instructor Course is an 8-hour course for those individuals who have previously successfully completed a PHTLS Provider course. This course is designed to train instructor candidates for conducting Provider and Refresher courses on the latest PHTLS philosophies and techniques. Individuals who attend will need to be experienced instructors, coordinators or administrators with proven clinical skills at the EMT-Basic level or above.

Proof of current PHTLS provider status is required.

Advance registration is recommended. Space is limited, so register early.

NAEMT EMS Safety Provider Course

Session P13

*Brought to you by 
Faculty: EMS Safety Program
Committee*

The purpose of the course is to increase students' awareness and understanding of EMS safety standards and practices, and develop their ability to effectively implement these practices when on duty. NAEMT's goal is to help reduce the number and intensity of injuries by EMS practitioners in carrying out their work through a focused education program. This course is designed for EMS practitioners at all certification levels, other medical professionals providing prehospital patient care,

EMS supervisors and administrators. The course curriculum will cover the following broad topics: Emergency Vehicle Safety; Operational Scene Safety; Safe Patient Handling; Patient, Practitioner and Bystander Safety; and Personal Health.

Advance registration is recommended. Space is limited, so register early.

HALF-DAY WORKSHOPS

**TUESDAY, OCTOBER 30
8:00 am – Noon**

The CECBEMS Application and Review Workshop: "How To's" for Applicants and Reviewers


Session P7

*Elizabeth Sibley, Executive
Director, CECBEMS*

If you are contemplating an application for CECBEMS accreditation, or if you would like to become a CECBEMS reviewer, this workshop will give you valuable information and answer your questions. Load your application onto your laptop and bring it to the workshop with you to receive help or get your questions about becoming a reviewer answered. Both prospective reviewers and applicants benefit from this dual approach to presenting information about how CECBEMS works.

EPC Instructor Transition Course

Session P17

*Brought to you by 
Faculty: EPC Committee*

The Emergency Pediatric Care (EPC) Transition Course is designed for currently certified pediatric course instructors who are interested in teaching the EPC course. This four-hour lecture covers the philosophy and logistics

of teaching an EPC course, and identifies how the EPC content differs from other pediatric programs. Participants will be introduced to the EPC content and format through presentation of one module from the EPC course. Proof of current instructor status of a pediatric course is required.

Advance registration is recommended. Space is limited, so register early.

Cadaver Lab – Dead Man Teaching **Session P18**

This nationally acclaimed educational lab experience will be led by a team of EMS educators experienced in procedural cadaver and high-fidelity simulation that will lead you on a hands-on, minds-on symphony in human anatomy and prehospital care techniques. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-access non-embalmed cadavers are reflected and fully exposed to allow the student the best visual and hands-on experience to enhance the session.

TUESDAY, OCTOBER 30
1:00 pm – 5:00 pm

Case-Based Learning: Building Teaching Tools for the Classroom

Session P8

Scott R. Snyder, BS, NREMT-P

This workshop will provide participants with the knowledge and practical skills to create case-based scenarios. In addition, participants will practice the concepts of facilitated learning with the very cases developed in class. Participants will leave the workshop with a number of cases that can be used in their own classroom. Scott Snyder has successfully integrated case-based learning into his

EMT program and will share with you all of the best practices he has learned over the years.

Developing and Implementing a Community Health Paramedic Program

Session P9

John Elder & Sean Burton

The provision of prehospital care is changing as a result of the overall reevaluation of care provision and reimbursement strategies. As the country focuses on cost containment and more appropriate methods to deliver services, EMS will be forced to evolve to fill previously undefined roles. A viable alternative to the current structure of EMS is the community health and integrated care model. Various types of these programs have appeared across the United States, but the lack of educational resources available to those wanting to develop such a program is an impediment to successful implementation. This workshop will provide a step-by-step guide to the development and implementation of such a program, and discuss the identification of community needs, forming appropriate partnerships, selecting staff, acquiring resources, identifying patients and overcoming hurdles to a successful program.

Moulage Training: Playing with Fake Blood & Guts

Session P10

*Ross Kocen, Course Director,
First on Scene Training LLC*

This hands-on session will teach you how to add moulage to your victim scenarios. We will discuss the various types of makeup used in moulage and practice making bruises on each other, road rash and lacerations. Each person will make their own moulage appliance to take

home. There will be a \$10 lab fee to cover supplies.

Social Media Management & Other Top Human Resources Issues in EMS

Session P11

*Douglas M. Wolfberg, Esq., &
Steve R. Wirth*

The risk of employment-related lawsuits has gone up exponentially in the past 10 years. Many of these lawsuits are based on simple mistakes and failure to pay attention to critical "people issues." This session will cover the Top 10 legal HR "landmines" seen by attorneys who exclusively represent public safety providers. This preconference will also offer a special spotlight on issues relating to management of social media, exploring the frontiers of this evolving area of law, and address issues such as monitoring employees' personal Web pages, regulating the use of company and even personal computers, and the limits of "free speech" in the workplace.

Cadaver Lab – Dead Man Teaching **Session P19**

*This is a repeat of the
morning session.*

This nationally acclaimed educational lab experience will be led by a team of EMS educators experienced in procedural cadaver and high-fidelity simulation that will lead you on a hands-on, minds-on symphony in human anatomy and prehospital care techniques. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-access non-embalmed cadavers are reflected and fully exposed to allow the student the best visual and hands-on experience to enhance the session.

CONFERENCE AT A GLANCE

Exhibit Hall Hours


WEDNESDAY, OCTOBER 31 – 11:30 am – 6:00 pm

THURSDAY, NOVEMBER 1 – 11:00 am – 4:30 pm

FRIDAY, NOVEMBER 2 – 10:00 am – 2:00 pm

WEDNESDAY, OCTOBER 31			
	BLS	ALS	GENERAL
8:00 am – 10:00 am			
CADAVER LAB – DEAD MAN TEACHING 2			
8:15 am – 9:30 am	101: ALS Secrets for BLS Providers <i>Daniel D. Limmer, AS, EMT-P</i>	103: Getting a Handle on Head Trauma <i>Mike Smith, BS, MICP</i>	105: EMS and the Domestic Violence Patient—A Scenario-Based Approach <i>Daniel Batsie, EMT-P</i>
	102: Seizures: More Than a Convulsion <i>Joseph J. Mistovich, MEd, NREMT-P</i>	104: Aortic Aneurysms <i>John Elder</i>	106: Time Is Brain: The Latest on EMS Management of Acute Stroke <i>Ivette Motola, MD, MPH</i>
10:00 am – Noon			
CADAVER LAB – DEAD MAN TEACHING 2			
10:00 am – 11:30 am			
OPENING CEREMONIES AND KEYNOTE ADDRESS			
What Does the Data Tell Us? Rethinking Our Approach to Sudden Cardiac Arrest <i>by Ed Racht, MD</i> Sponsored by: ZOLL			
1:00 pm – 3:00 pm			
CADAVER LAB – DEAD MAN TEACHING 2			
2:00 pm – 3:15 pm	301: Prehospital Care for the Morbidly Obese <i>Ken Bouvier, NREMT-P</i>	303: Beyond the Obvious: Non-arrhythmic Complications of Acute Myocardial Infarction <i>Paul Werfel</i>	305: Preparing and Packaging Patients for Extended Transports <i>Kevin T. Collopy, BA, FP-C, CCEMT-P, NREMT-P, WEMT</i>
	302: Are You Ready for the Geriatric Challenge? <i>Linda M. Abrahamson, BA, RN, EMT-P, NCEE</i>	304: Violent Ballistic Trauma <i>Daniel Batsie, EMT-P</i>	306: Scott Frame Lecture: Prehospital Care Advances: From the Battlefield to the Street and From the Street to the Battlefield <i>Lt. Robert Mabry</i>
3:30 pm – 4:45 pm	401: Protecting the Vulnerable: Understanding the Cycle of Abuse <i>Chris Cebollero, NREMT-P</i>	402: Pain Management in the Out-of-Hospital Setting <i>William W. Dunn</i>	404: Guidelines for Field Triage of Trauma Patients <i>Joseph J. Mistovich, MEd, NREMT-P</i>
		403: Prehospital Rescue CPAP: Redefining How We Treat Our Patients <i>Michael J. Hewitt, RRT-NPS, RCP, FAARC, FCCM</i>	405: Ring That Bell: Prehospital Management of Head Injuries in Sports <i>Arthur Romano, BA, NREMT-P</i>
			406: Ethics in EMS <i>Paul Werfel</i>
3:30 pm – 5:30 pm			
CADAVER LAB – DEAD MAN TEACHING 2			

CONFERENCE AT A GLANCE

	PEDIATRIC	EDUCATOR	OPERATIONS	ADMIN/MANAGER
	107: Sudden Death or Overtime: Cardiac Arrest During Athletic Competition <i>Arthur Romano, BA, NREMT-P</i>	108: Simulation in EMS Research and Education: What the Literature Tells Us <i>Les R. Becker, PhD, NREMT-P</i>	109: Disaster Management Response for Special Needs Populations <i>Sarah Seiler, MSN, RN, EMT-P, CCRN, CEN</i>	111: Top 10 Billing and Compliance Issues <i>Steve Wirth, JD, EMT-P</i>
			110: Changing an EMS Staffing Paradigm <i>Paul R. Hinchey, MD, MBA</i>	
	307: Demystifying the Pediatric Airway <i>Jeff Birrer, EMT-P</i>	308: Lessons Learned in Implementing the National EMS Education Standards <i>Daniel D. Limmer, AS, EMT-P</i>	309: NFPA 1917 and the Federal Specification for Ambulances <i>John McDonald</i>	311: From QA to QI: Is Your Agency Prepared for the Next Decade? <i>Scott A. Matin, MBA, NREMT-P</i>
			310: How to Implement a Community Health Paramedic Program <i>John Elder</i>	
	407: To Transport or Not To Transport: Pediatric Refusals Gone Wrong <i>Peter Antevy, MD</i>	408: Education Myths <i>Scott Snyder, BS, NREMT-P</i>	409: Educating the Public on When to Call 9-1-1: The Lake Sumter Experience <i>James A. "Jim" Judge, II</i>	411:  The EMS Situation Room: NEMSMA Administrators, Managers and Chiefs Forum
			410: Prehospital Medicine on Wheels <i>Terry J. Boudreaux, BS, EMT-P</i>	

CONFERENCE AT A GLANCE

Exhibit Hall Hours

WEDNESDAY, OCTOBER 31 – 11:30 am – 6:00 pm

THURSDAY, NOVEMBER 1 – 11:00 am – 4:30 pm

FRIDAY, NOVEMBER 2 – 10:00 am – 2:00 pm

THURSDAY, NOVEMBER 1

BLS

ALS

GENERAL

7:30 am – 6:00 pm  **world trauma SYMPOSIUM** see page 24 for details

8:00 am – 9:15 am	501: Street Drugs <i>Mike Smith, BS, MICP</i>	503: Advanced Capnography: It's More Than a Number <i>Keith Wesley, MD, FACEP</i>	505: Dynamic Documentation <i>Doug Wolfberg, JD, EMT</i>
	502: Who Moved My Cheese? The Paradigm Shift in Cardiac Resuscitation <i>Jeff Beeson, DO, FACEP, EMT-P</i>	504: Medical Emergency "Land Mines" and How to Avoid Them: Part 1 <i>John Bielinski</i>	506: Who's Flying the Ambulance? What Aviation Can Teach EMS About Teamwork, Safety and Leadership <i>David Page, MS, NREMT-P</i>
9:30 am – 10:45 am	601: Cold Emergencies: How the Actions of EMS Providers Influence Long-term Patient Care <i>Kevin T. Collopy, BA, FP-C, CCEMT-P, NREMT-P, WEMT</i>	603: The Evolution of Arrest Management: Advanced-Practice Paramedics Making a Difference <i>John Elder</i>	605: Show A Little Restraint: Dealing With the Combative Patient <i>Steven "Kelly" Grayson, NREMT-P, CCEMT-P</i>
	602: Managing Respiratory Distress Before ALS Arrives: Assessing and Treating the Dyspnea Patient at the EMT Level <i>Daniel Batsie, EMT-P</i>	604: Medical Emergency "Land Mines" and How to Avoid Them: Part 2 <i>John Bielinski</i>	606: EMS in the Big Easy <i>Jeffrey Elder, MD, FAAEM, Elizabeth Clement, MD, Carl Flores, NREMT-P, Barret Bernard, BA, NREMT-P, & Cedric Palmisano, NREMT-P</i>
11:00 am – 12:15 pm	701: The Devil Is in the Details: Conducting an Effective Scene Assessment <i>Tracey Loscar, NREMT-P</i>	702: Advanced EMS Airway Cases <i>Peter DeBlieux, MD, & Jeff Birrer, EMT-P</i>	704: The Alternate Disposition <i>William W. Dunn</i>
		703: Add a Little Salt: Hypotensive Resuscitation <i>Jeff Beeson, DO, FACEP, EMT-P</i>	705: Oxygen Therapy—New Evidence, New Fears <i>Keith Wesley, MD, FACEP</i>
			706: Provider Suicide: It's Not Supposed to Happen to Us <i>Dwight Polk</i>
3:00 pm – 4:15 pm	801: Effective Management of Unstable Musculoskeletal Injuries <i>Kevin T. Collopy, BA, FP-C, CCEMT-P, NREMT-P, WEMT</i>	802: The Changing Paradigm of Trauma Management in EMS <i>Robert Soto, EMT-P</i>	804: Hot Topics in EMS <i>Scott Snyder, BS, NREMT-P</i>
		803: Video Laryngoscopy: Join the Revolution <i>William W. Dunn</i>	805: Measuring What Matters: Developing Benchmarks in EMS <i>Moderated by Matt Zavadsky; Panelists: Jeff Beeson, DO, FACEP, EMT-P, Skip Kirkwood, MS, JD, EMT-P, EFO, CMO, & Keith Wesley, MD, FACEP</i>

CONFERENCE AT A GLANCE

PEDIATRIC	EDUCATOR	OPERATIONS	ADMIN/MANAGER
507: Kid Fevers: A Hot Topic <i>Lou Romig, MD, FAAP, FACEP</i>	508: Integrating Smartphones and Tablet Devices Into EMS Education <i>Greg Friese, MS, NREMT-P</i>	509: Let Your Voice be Heard <i>James A. "Jim" Judge, II</i>	511: Using Your Data to Change the Role of EMS <i>Karen E. Jacobson & Matt Zavadsky</i>
		510: Care Under Fire: What It Takes to Be a SWAT Medic <i>Jim Morrissey, MA, EMT-P</i>	
607: The Pediatric Code <i>Peter Antevy, MD</i>	608: EMS Instructors: Creating the Future of Our Profession <i>Richard J. Belle, BS, NREMT-P</i>	609: National EMS Assessment: What Does the Data Show? <i>C.T. "Chuck" Kearns, MBA, EMT-P</i>	611: Quality Measures in Leadership <i>Troy M. Hagen, MBA, NREMT-P</i>
		610: Safety, Culture and Ethics in EMS—It All Starts at the Top <i>Skip Kirkwood, MS, JD, EMT-P, EFO, CMO</i>	
707: Pediatric Decontamination: More Than Just a Bath <i>Lou Romig, MD, FACEP</i>	708: Educated to Kill: How EMS Education Preprograms Medical Errors in Future Clinicians <i>David Page, MS, NREMT-P</i>	709: EMS Response to Active-Shooter Incidents <i>Jim Morrissey, MA, EMT-P</i>	711: EMS Collaborations in Healthcare <i>Matt Zavadsky</i>
		710: Ambulance Design from the Ground Up <i>Don Lundy, BS, NREMT-P</i>	
806: Cardiac Kids <i>Jeff Hinshaw</i>	807: The Nation's EMS Certification: An Update from the NREMT <i>William E. Brown, Jr., RN, MS, NREMT-P</i>	808: Developing an Injury Prevention Program: How to Stay Injury Free <i>Bryan Fass, ATCL, CSCS, EMT-P</i>	810: Budget Management and Efficiency Tips <i>C.T. "Chuck" Kearns, MBA, EMT-P</i>
		809: De-escalation Techniques: Let's Talk About It! <i>Dwight Polk</i>	811: Developing Loyalty and Integrity: The Role of Organizational Culture <i>Jason Dush, CCEMT-P, FP-C</i>

CONFERENCE AT A GLANCE

Exhibit Hall Hours

WEDNESDAY, OCTOBER 31 – 11:30 am – 6:00 pm

THURSDAY, NOVEMBER 1 – 11:00 am – 4:30 pm

FRIDAY, NOVEMBER 2 – 10:00 am – 2:00 pm

THURSDAY, NOVEMBER 1 (CONTINUED)

	BLS	ALS	GENERAL
4:30 pm – 5:45 pm	901: The Miracle of Life...Almost <i>Christopher Ebright</i>	903: Anatomy and Procedures 101 <i>Jeff Hinshaw</i>	905: Sick or Not Sick? <i>Susie Kochevar, RN</i>
	902: BLS Shock Management <i>Richard J. Belle, BS, NREMT-P</i>	904: Cardiac Pharmacology Demystified <i>John Bielinski</i>	906: Bath Salts: The Louisiana Experience <i>Mark Ryan</i>

FRIDAY, NOVEMBER 2

	BLS	ALS	GENERAL
8:00 am – 9:30 am	1001: Altered States <i>Mike Smith, BS, MICP</i>	1002: Lasix Kills: Better Therapy for CHF <i>Keith Wesley, MD, FACEP</i>	1004: Crush Injury vs. Crush Syndrome: What You Need to Know <i>Jason Dush, CCEMT-P, FP-C</i>
		1003: Traumatic Hemorrhagic Shock <i>Jeffrey M. Elder, MD, FAAEM</i>	1005: Jumpin' Jack Flash, It's a Gasp! The Evolving Role of Gassing in Resuscitation <i>Paul E. Pepe, MD, MPH, FACEP, FCCM, MACP</i>
9:30 am – 10:45 am	1101: Treating Burns in the Prehospital Setting <i>Ken Bouvier, NREMT-P</i>	1102: ACLS for Providers Who Hate ACLS <i>Susie Kochevar, RN</i>	1103: Man vs. Machine: ATV Trauma Case Studies <i>Jason Dush, CCEMT-P, FP-C</i>
			1104: Stop the Madness! Reducing Unnecessary Spinal Immobilizations in the Field <i>Jim Morrissey, MA, EMT-P</i>
			1105: A View From the Eagle's Nest: A Recap of the 2012 EMS State of the Sciences Conference <i>Paul E. Pepe, MD, MPH, FACEP, FCCM, MACP, & Jeff Beeson, DO, RN, LP</i>
1:15 pm – 2:30 pm	1201: MRSA: What You Need to Know <i>Susie Kochevar, RN</i>	1202: Telemedicine Applications in the Prehospital Setting <i>Angel "Al" Brotons, EMT-P</i>	1203: Sounding Out Our Patients: Prehospital Ultrasound <i>Michael Bernhardt</i>
			1204: Understanding Radiological Threats in Your Community <i>John Lund</i>
			1210: Optimizing Outcomes in Cardiac Arrest <i>Pushpal (Paul) Rocky Banerjee, MD</i>

CONFERENCE AT A GLANCE

PEDIATRIC	EDUCATOR	OPERATIONS	ADMIN/MANAGER
907: When the Young Die <i>Tracey Loscar, NREMT-P</i>	908: Current Topics in EMS Research <i>Jonathan R. Studnek, PhD</i>	909: Texts, Tweets, Blogs and Digital Devices: Legally Regulating Staff Conduct in Today's "Social Network" <i>Steve Wirth, JD, EMT-P, & Doug Wolfberg, JD, EMT</i>	911: A System Approach to Emergency Medical Services <i>Troy M. Hagen, MBA, NREMT-P</i>
		910: Crocodile Dundee Meets Johnny and Roy: EMS Down Under <i>David Page, MS, NREMT-P</i>	
PEDIATRIC	EDUCATOR	OPERATIONS	ADMIN/MANAGER
1006: Kids, Culture and Crayons: Using All the Colors to Make the Picture <i>Tracey Loscar, NREMT-P</i>	1007: Using Problem-Based Learning to Promote Critical Thinking <i>Art Hsieh, MA, NREMT-P</i>	1008: ePCR Documentation: The Highs and Lows and Why Accuracy Counts! <i>Karen Jacobson & Matt Zavadsky</i>	1010: Does the EMS Manager Know About This? <i>Gary Ludwig, MS, EMT-P</i>
		1009: Ambulance Patient Compartment Design Standards <i>Jennifer Marshall</i>	
1106: Status Asthmaticus in Children <i>Christopher Ebright</i>	1107: It Takes a Winning Attitude: Optimize Your Students for Success <i>Art Hsieh, MA, NREMT-P</i>	1108: All-Hazards Response: From Katrina to the Present Day <i>Stephen J. Phillipe, MS, LEM, EMT-P</i>	1110: Response Time Realities: Does Response Time Really Matter? <i>Matt Zavadsky</i>
	1111: The Hidden Crises in EMS Recertification: Not Just a Failure of Ethics <i>Mark Forgues, MEd, EMT-P</i>	1109: Integrating Health and Wellness Into Your Public Safety Career <i>Bryan Fass</i>	
1205: Pediatric Sepsis <i>Christopher Ebright</i>	1206: Low-Cost Web Conferencing for EMS Educators <i>Christopher L. Mixon, AAS, NREMT-P</i>	1207: NFPA and the EMS Community <i>Ken Holland</i>	1208: Management Case Studies for EMS Managers <i>Gary Ludwig, MS, EMT-P</i>
		1209: Tweaking Better Speaking: 10 Golden Rules for Effective Communications and Dealing with the News Media <i>Paul E. Pepe, MD, MPH, FACEP, FCCM, MACP</i>	



World trauma SYMPOSIUM

Hosted by NAEMT's PHTLS Committee
and EMS World Expo

November 1, 2012

Ernest N. Morial Convention Center | New Orleans, LA

A new event from the creators of the world-renowned Prehospital Trauma Life Support Program (PHTLS), presenting the latest information on the care of prehospital trauma patients and global trends in trauma care from internationally recognized experts.

Learn from the world's pre-eminent trauma leaders:



Dr. Ken Mattox



Dr. Robert Mabry



Dr. Karim Brohi



Dr. Frank Butler



Dr. Michael Rotondo

World Trauma Symposium provides participants with 8 hours of CECBEMS-accredited continuing education, CME, and/or continuing nursing education credit.

The Symposium will bring together internationally recognized experts in prehospital trauma care. Norman McSwain, Jr., MD, FACS, will moderate the morning session, featuring:

- Ken Mattox, MD, FACS, discussing controversies in EMS
- Karim Brohi, MBBS, MD, FRCS (Eng), FRCA, discussing prehospital trauma care in the United Kingdom
- Michael Rotondo, MD, FACS, presenting Advanced Trauma Life Support and the work of the Committee on Trauma
- Frank Butler, Jr., MD on Tactical Combat Casualty Care

Lt. Col. Robert Mabry, MD, will provide the luncheon address: Military EMS and Disaster Medicine

Jeff Guy, MD, MSc, MMHC, will moderate the afternoon session featuring:

- Steve Greisch, RN, presenting on EMS trauma care in the European Union
- Osvaldo Rois, MD, discussing EMS trauma care in Latin America
- Jeffrey Salomone, MD, discussing current challenges in prehospital trauma care
- A panel debate on the hottest issues in prehospital trauma today

Special discounts are available for those who register for the World Trauma Symposium and the three-day EMS World Expo core program.

Register Now and Save!

For complete details and to register, visit WorldTraumaSymposium.com

**WEDNESDAY,
OCTOBER 31
8:00 am – 10:00 am**

Cadaver Lab—Dead Man Teaching 2

Join the team from Paragon Medical Education Group for a one-of-a-kind educational experience. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-body non-embalmed cadavers are brought to life with lifesaving procedures, techniques and tricks of the trade.

**WEDNESDAY,
OCTOBER 31
8:15 am – 9:30 am**

BLS

ALS Secrets for BLS Providers

Session 101

Daniel D. Limmer, AS, EMT-P

What would happen if you took the additional knowledge and experience of the ALS provider, distilled it down to core concepts and gave it to the BLS provider? Come to this presentation to find out! This session takes ALS assessment concepts and presents them to BLS providers in a practical and understandable way that can be instantly applied to improve assessment and care. BLS providers will benefit from the “secrets” that make ALS providers successful.

Seizures: More Than a Convulsion

Session 102

Joseph J. Mistovich, MEd, NREMT-P

This session provides a basic understanding

of the pathophysiology associated with seizures, presentation of the various types of seizures and prehospital management of the seizure patient. Topics covered include basic pathophysiology related to primary and secondary seizures, and signs and symptoms associated with various types of seizures.

ALS

Getting a Handle on Head Trauma

Session 103

Mike Smith, BS, MICP

This graphic and fast-moving talk takes an assessment-based approach to head trauma rather than the traditional, and less functional, diagnostic-based approach. Basic providers will benefit from this program, though it is geared more for ALS providers and nurses.

Aortic Aneurysms

Session 104

John Elder, Sean Burton

This session reviews the different types of aortic aneurysms and follows the progress of an aneurysm from formation to dissection. Discussion points will include known causes, signs and symptoms, and prehospital management of aneurysms.

GENERAL

EMS and the Domestic Violence Patient—A Scenario-Based Approach

Session 105

Daniel Batsie, EMT-P

What can you do as an EMS provider to help end the circle of violence? This scenario-based class provides a practical approach to maximizing the effec-

tiveness of EMS response to victims of domestic violence. Case studies, scenarios and healthy discussions will help you develop both personal and service-based strategies to better prepare to aid the domestic violence patient.

Time Is Brain: The Latest on EMS Management of Acute Stroke

Session 106

Ivette Motola, MD, MPH

Early recognition and rapid transport to a stroke center by prehospital providers are essential in the care of stroke patients. Learn about the latest evidence and trends in their prehospital care, including when and where to transport stroke patients, prehospital neuroprotectants, and the present and future of thrombolysis in the field.

PEDIATRIC

Sudden Death or Overtime: Cardiac Arrest During Athletic Competition

Session 107

Arthur Romano, BA, NREMT-P

The incidence of out-of-hospital sudden cardiac arrest is well documented. One subset of this population encompasses young and apparently healthy individuals who participate in strenuous physical activity. This session reviews the underlying pathophysiology that may result in SCA among this group and provides strategies not only for EMS treatment, but also for early recognition of athletes who may be at risk.

CONFERENCE PROGRAM

EDUCATOR

Simulation in EMS Research and Education: What the Literature Tells Us

Session 108

*Les R. Becker, PhD,
NREMT-P*

Simulation training has evolved from deep roots in aviation to become an essential component of training and education in the health sciences. This session will discuss the results of a comprehensive literature review conducted to assess the use of patient simulators in prehospital education and research. The results of the review suggest that academic research efforts should be focused not only upon the formal use of simulation in EMS education and training, but also to gain an understanding of the incentives and disincentives in this genre of simulation study in an effort to expand the science of prehospital medical simulation. The speaker will expand upon these conclusions and suggest directions for future efforts in prehospital medical simulation.

OPERATIONS

Disaster Management Response for Special-Needs Populations

Session 109

*Sarah Seiler, MSN, RN,
EMT-P, CCRN, CEN*

The medically fragile homebound residents of our communities are an often underserved population. Increasing numbers of adult and pediatric patients are being discharged to home with complicated diagnoses. Partnerships among home health agencies, hospitals, emergency

management and EMS must be developed to ensure adequate care to our most fragile residents. This session will enhance your ability to identify critical equipment and staffing needs, as well as provide you with the tools to develop interagency relationships.

Changing an EMS Staffing Paradigm

Session 110

Paul R. Hinchey, MD, MBA

EMS systems use a variety of staffing models to meet the needs of response in their community. These can include all EMT providers, all paramedic providers and everything in between. This lecture looks at the science behind EMS staffing and how we got where we are today. Using real-world examples, the lecturer will explore the workforce, economic and clinical practice pressures that are impacting the future of EMS staffing and how we look at provider roles.

ADMIN/MANAGER

Top 10 Billing and Compliance Issues

Session 111

Steve Wirth, JD, EMT-P

It's a major point on their radar screen, and the government is investing millions of dollars in new audits and investigations of ambulance services. Where are the greatest areas of risk in your billing operation? What do Medicare contractors have to say about the key risk areas? This session identifies and describes the top 10 areas where your ambulance operation or billing company is most likely to get into trouble. Learn what you need to know to "tighten

the reins" and minimize the potential for a bad outcome in the event of an audit or investigation.

**WEDNESDAY,
OCTOBER 31
10:00 am - Noon**

Cadaver Lab – Dead Man Teaching 2

Join the team from Paragon Medical Education Group for a one-of-a-kind educational experience. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-body non-embalmed cadavers are brought to life with lifesaving procedures, techniques and tricks of the trade.

**WEDNESDAY,
OCTOBER 31
10:00 AM – 11:30 AM**

Opening Ceremonies and Keynote Address:

What Does the Data Tell Us? Rethinking Our Approach to Sudden Cardiac Arrest

Ed Racht, MD

sponsored by: **ZOLL**

See page 6 for details.

**WEDNESDAY,
OCTOBER 31
1:00 PM - 3:00 PM**

Cadaver Lab – Dead Man Teaching 2

Join the team from Paragon Medical Education Group for a one-of-a-kind educational experience. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-body non-embalmed cadavers are brought to life with lifesaving pro-

cedures, techniques and tricks of the trade.

**WEDNESDAY,
OCTOBER 31
2:00 PM – 3:15 PM**

BLS

Prehospital Care for the Morbidly Obese

Session 301

Ken Bouvier, NREMT-P

This session looks at some of the most common injuries in obese patients and the difficulties of caring for them in the prehospital environment. Topics include the use of bariatric equipment, including stretchers and ambulances; treatment for sprains, strains, fractures and head injuries caused by patients' size and weight; and how the obese patient often suffers from multiple medical conditions.

Are You Ready for the Geriatric Challenge?

Session 302

Linda M. Abrahamson, BA, RN, EMT-P, NCEE

Why is it the aging population presents with myriad challenges for the EMS provider? This session reviews physiological changes in this population. Interactive discussion provides an opportunity to experience

visual degeneration in the elderly. Group interaction will provide options to implement modifications and better understand limitations prehospital field personnel encounter with our aging citizens.

ALS

Beyond the Obvious: Non-arrhythmic Complications of Acute Myocardial Infarction

Session 303

Paul Werfel, BA, NREMT-P

Acute myocardial infarction is the result of a dynamic process where a coronary artery is blocked by formation of a thrombus. We know patients can die as a direct result of the MI. But what about the patient who "recovers" from the MI but dies soon after? Are there non-ischemic and non-arrhythmic complications that can have fatal consequences to patients in the recovery period? You bet! Paul will discuss these complications in a stimulating and interactive program covering the causes, incidence, demographics, signs and symptoms, and prehospital treatment of left ventricular aneurysm, left ventricular free wall rupture, acute ventricular septal defect, acute mitral

regurgitation, right ventricular MI and pericarditis.

Violent Ballistic Trauma

Session 304

Daniel Batsie, EMT-P

This class reviews the violence people unleash upon each other. Topics include the physics of ballistics, the damage inflicted by different types of weapons, patient assessment and trauma treatment modalities.

GENERAL

Preparing and Packaging Patients for Extended Transports

Session 305

Kevin T. Collopy, BA, FP-C, CCEMT-P, NREMT-P, WEMT

Imagine providing patient care on an oil rig, on the side of a mountain, at the bottom of a quarry, or deep in a major industrial facility where it may take hours to finally deliver patients to a proper hospital. Managing patients in remote settings, austere environments or for an extended time requires an additional understanding of injury processes and the consequences of the interventions performed. This presentation explores some of the many considerations of packaging and managing patients during extended transports. Join a discussion of the risks and benefits of airway management, oxygen administration, spine immobilization and impaled-object removal. Explore strategies for thermoregulation, pain management, fluid therapy, patient comfort and incontinence management.



CONFERENCE PROGRAM

GENERAL

Scott B. Frame Memorial Lecture Prehospital Care Advances: From the Battlefield to the Street and From the Street to the Battlefield

Session 306

*Lt. Col. Robert Mabry, MD,
FACEP*

Lt. Col. Mabry will discuss lessons learned over the past 10 years of conflict that have been applied to current EMS care or that are potentially beneficial to the civilian EMS setting. He also will discuss how military battlefield care can gain from civilian EMS experience.

PEDIATRIC

Demystifying the Pediatric Airway

Session 307

Jeff Birrer, EMT-P

Few medical providers are perfectly comfortable treating airway emergencies in children. In this session Jeff will demystify the pediatric airway and help reduce the anxiety that often accompanies these challenging cases. After an initial discussion of best practices for the evaluation and treatment of prehospital pediatric airway emergencies, Jeff will present case studies dealing with challenging pediatric scenarios. These will include complete foreign body obstruction, trauma with closed head injury, epiglottitis, airway burns and pediatric overdose. The case assessments will reinforce the concepts outlined in the initial discussion and prepare attendees to successfully manage these difficult pediatric airways.

EDUCATOR

Lessons Learned in Implementing the National EMS Education Standards

Session 308

*Daniel D. Limmer, AS,
EMT-P*

The National EMS Education Standards were released in 2008, but their implementation across the country has been slow. Finally, four years later, a significant body of experience allows us to look at the education standards and determine what works, what doesn't and what the most persistent issues are. This presentation looks at course length, integration of pathophysiology, teaching methods and other relevant points to help educators continue to navigate the National EMS Education Standards.

OPERATIONS

NFPA 1917 and the Federal Specification for Ambulances

Session 309

John McDonald

Are you prepared for the legislative and technical challenges and opportunities EMS agencies will face during transition from the current federal specification for ambulances (KKK-A-1822F) to the new NFPA 1917: Standard for Automotive Ambulances? Come to this session to find out what you need to know.

How to Implement a Community Health Paramedic Program

Session 310

John Elder, Sean Burton

The provision of prehos-

pital and out-of-hospital care is changing. As the country focuses on cost containment and more appropriate ways to deliver services, EMS will be forced to evolve to fill previously undefined roles. A viable alternative to the current structure of EMS is the community health and integrated care model. Various types of these programs have appeared across the United States, but the lack of educational resources for those wanting to develop them impedes successful implementation. This session walks attendees through the development and implementation of such a program, discussing identification of community needs, forming appropriate partnerships, selecting staff, acquiring resources, identifying patients and overcoming hurdles.

ADMIN/MANAGER

From QA to QI: Is Your Agency Prepared for the Next Decade?

Session 311

*Scott A. Matin, MBA,
NREMT-P*

Does your agency have a quality assurance or quality improvement program? In healthcare today, these phrases are often blurred and used interchangeably when they actually represent vastly different concepts. This presentation will serve as a template for EMS managers who want to establish and maintain programs for continuously monitoring and improving the quality of services in their organization.

**WEDNESDAY,
OCTOBER 31
3:30 pm - 5:30 pm**

Cadaver Lab – Dead Man Teaching 2

Join the team from Paragon Medical Education Group for a one-of-a-kind educational experience. This intense session will consist of basic and advanced airway procedures, gross anatomy and vascular access including IO. The full-body non-embalmed cadavers are brought to life with lifesaving procedures, techniques and tricks of the trade.

**WEDNESDAY,
OCTOBER 31
3:30 pm – 4:45 pm**

BLS

Protecting the Vulnerable: Understanding the Cycle of Abuse

Session 401

Chris Cebollero, NREMT-P

For EMS, it's not a matter of if you will respond to an abuse-related call, but when. In this class, Chris looks at specifics of both pediatric and geriatric abuse, how to recognize and report potential abuse, and how to treat the victims of abuse, as well as legal considerations, including resources like law enforcement and child protective services.

ALS

Pain Management in the Out-of-Hospital Setting

Session 402

William W. Dunn

Pain is barbaric. No one should feel pain. This presentation discusses the

physiology behind pain and strategies for pain management that go beyond pharmacology. The presenter has published research on this topic.

Prehospital Rescue CPAP: Redefining How We Treat Our Patients

Session 403

Michael J. Hewitt, RRT-NPS, RCP, FAARC, FCCM

Patients with problems that can be served by prehospital CPAP are increasing in number. Things like CHF and renal failure are mainstays of the baby boomer population. This talk describes a successful partnership by which the local hospital system funded equipment for the Houston Fire Department's CPAP program. It will look at the inadequacies of traditional approaches, financial considerations, and opportunities for similar collaborations. In Houston, the results have included decreased rates of patients needing intubation in the field, decreases in patients admitted to ICUs, and reductions in complications.

GENERAL

Guidelines for Field Triage of Trauma Patients

Session 404

Joseph J. Mistovich, MEd, NREMT-P

This session reviews the 2011 Guidelines for Field Triage of Injured Patients issued by the CDC and American College of Surgeons Committee on Trauma. We will review the four-step decision-making criteria for trauma triage and explain the physiologic, anatomic and mechanism-of-injury criteria used, as well as special considerations.

Ring That Bell: Prehospital Management of Head Injuries in Sports

Session 405

Arthur Romano, BA, NREMT-P

The most common head injury observed during athletic competition is concussion. Much has been learned over the last 10 years regarding these mild traumatic brain injuries, but resulting change in the EMS community has been slow. This session explores the kinematics, patient presentation and diagnosis of these head injuries. We will also describe a classification of concussions that reflects the varying degree of severity seen in this type of trauma and discuss the controversy of "return-to-play" criteria that may impact prehospital care providers.

Ethics in EMS

Session 406

Paul Werfel, BA, NREMT-P

Today more than ever, personal ethics and morality are on everyone's mind. With so many recent high-profile lapses of personal behavior, it is not surprising that EMS should have its share of ethical dilemmas. Join Paul for this new and thought-provoking session of examination and reflection. Among the topics discussed will be the scope of ethical problems in EMS; DNRs and living wills; futile resuscitations; medical director disagreements; and asset and resource allocation.

CONFERENCE PROGRAM

PEDIATRIC

To Transport or Not To Transport: Pediatric Refusals Gone Wrong

Session 407

Peter Antevy, MD

Join Dr. Peter Antevy as he takes you through a tour of difficult pediatric calls that will have you asking: "Does this child really need to be transported to the hospital?" Dr. Antevy will use actual cases and discuss refusals he has dealt with as an EMS medical director and will provide a review of the physiology critical to each of these high-risk calls. To transport or not to transport? You make the call!

EDUCATOR

Education Myths

Session 408

Scott Snyder, BS, NREMT-P

In this session Scott will look at many of the practices EMS educators take for granted and ask, "Does this really work?" Some common practices of our profession will hold up to scrutiny, and some will not! Alternatives to traditional teaching methods will also be discussed.

OPERATIONS

Educating the Public on When to Call 9-1-1: The Lake Sumter Experience

Session 409

James A. "Jim" Judge, II

This presentation explains the importance of having a program to educate the public on properly utilizing its emergency medical services. It focuses on providing educational information on when it is appropriate and inap-

propriate to call 9-1-1, and offers guidance for your system to utilize an award-winning program devised by the speaker's agency, or create a similar one for your community.

Prehospital Medicine on Wheels

Session 410

Terry J. Boudreaux, BS, EMT-P

This session provides students with an understanding of the rules and principles of riding a bicycle in the same manner in which they would drive a motor vehicle. Students will gain an understanding of how the rules affect cyclists and how to observe them while riding with other traffic. Riding appropriately enables different types of vehicles to share the road, creating a safer environment for all.

ADMIN/MANAGER



The EMS Situation Room: NEMSMA Administrators, Managers and Chiefs Forum

Session 411

Hear a panel of current EMS leaders discuss and debate the most pressing issues facing EMS today. Facilitated by the National EMS Management Association, the panel includes leaders from several EMS associations ready to share their insight. The questions are audience driven, so don't be shy. This is your time to get some answers and join the national conversation.

**THURSDAY,
NOVEMBER 1
7:30 am - 6:00 pm**

World Trauma Symposium

See page 24 for details

**THURSDAY,
NOVEMBER 1
8:00 am - 9:15 am**

BLS

Street Drugs

Session 501

Mike Smith, BS, MICP

Virtually all of the various and sundry drugs used by the "better living through chemistry" crowd are covered in this fast-moving, content-heavy presentation.

Who Moved My Cheese? The Paradigm Shift in Cardiac Resuscitation

Session 502

Jeff Beeson, DO, FACEP, EMT-P

Emergency medical providers are proud of their resuscitation skills. We perform them often, and things usually go very smoothly. The outcomes, not so much. Advanced Cardiac Life Support is often referred to as the gold standard for cardiac resuscitation, but how accurate are its recommendations? In this hour we review where we have been, where we are and where we should be going in managing patients in cardiac arrest.

ALS

Advanced Capnography: It's More Than a Number

Session 503

Keith Wesley, MD, FACEP

This session reviews the expanding role of waveform capnography in EMS. Dr. Wesley will review capnography's conventional role in intubation, then explore how this technology can be used to improve the quality of care provided to patients in respiratory distress. Recent research indicates there are right and wrong ways to measure it with CPAP, and that it may not be as accurate as we thought in multisystem trauma. Dr. Wesley will discuss the future of new technologies like regional oximetry that may help us care for our patients.

Medical Emergency "Land Mines" and How to Avoid Them: Part 1

Session 504

John Bielinski, MS, PA-C

This two-part session focuses on the priority complaints on which paramedics run, such as chest pain and dyspnea, and illustrates the possible "land mines," or diagnoses they can't afford to miss but may not be looking for. Advanced airway techniques are also covered, as well as the new ACLS "PEA Pyramid."

GENERAL

Dynamic Documentation

Session 505

Doug Wolfberg, JD, EMT

Think this is just another documentation session? Think again: This session will open your eyes and change the way you think about EMS patient care documentation. Using actual legal case studies where documentation issues were center stage, it will explore the relation-

ship between documentation and EMS provider liability. We will get to the root of what leads to "bad" documentation and provide practical tips on how to improve not only your field documentation skills, but your overall approach to patient care. This session will also demystify the confusing myriad of new forms and patient signature requirements that are a necessary evil of providing EMS and ambulance service in the 21st century.

Who's Flying the Ambulance? What Aviation Can Teach EMS About Teamwork, Safety and Leadership

Session 506

David Page, MS, NREMT-P

The aviation industry has been successful in reducing errors and teaching its crews improved team dynamics using crew resource management (CRM). Learn how this technique can help your EMS system do the same.

PEDIATRIC

Kid Fevers: A Hot Topic

Session 507

Lou Romig, MD, FAAP, FACEP

Frustrated by the pervasive "fever phobia" that crosses cultural and educational boundaries, Dr. Romig created this lecture using current research to bust the most common myths about pediatric fever and emphasize that fever is a benign and possibly protective natural process that need not strike fear in the hearts of parents and others who care for sick children. This session reviews the origins of our current definitions of fever, the physiology

of fever and information about febrile seizures.

EDUCATOR

Integrating Smartphones and Tablet Devices Into EMS Education

Session 508

Greg Friese, MS, NREMT-P

Most EMT and paramedic students arrive at class with a smartphone or tablet device they use to stay in touch with friends, family and social networks. They use these devices to consume popular media, find and research references, and upload their own multimedia content about their work, academic and personal experiences. Instead of banning these devices from the classroom or workplace, this session will focus on opportunities to integrate mobile devices into classroom, lab and clinical experiences. The presenter will share and demonstrate top resources, software programs, apps and best practices. The audience will have opportunities to share techniques that are working in their programs and discuss the risks and benefits of integrating mobile technology into EMS education.

OPERATIONS

Let Your Voice Be Heard

Session 509

James A. "Jim" Judge, II

All successful EMS agencies have effective EMS advocates within their ranks. In this session, NAEMT Advocacy Chair Jim Judge and other members of NAEMT's advocacy team will explain the techniques and tools you can use to successfully advocate for

CONFERENCE PROGRAM

OPERATIONS

your EMS agency and the EMS profession in your local community, in your state and on Capitol Hill. Learn how to effectively communicate with legislators and influence the legislative process. Learn ways to engage state legislators, EMS officials and other state and local leaders who control how federal money gets spent. The session will include an overview of the Capwiz online legislative tool.

Care Under Fire: What It Takes to Be a SWAT Medic

Session 510

Jim Morrissey, MA, EMT-P

This presentation examines the tactical medical principles and procedures employed by SWAT teams and the wide range of duties and skills at which tactical medics must be proficient. Topics include tools, techniques and “tricks of the trade,” as well as appropriate levels of medical training for tactical medics and all SWAT operators.

ADMIN/MANAGER

Using Your Data to Change the Role of EMS

Session 511

Karen E. Jacobson & Matt Zavatsky, MHA

What difference does your agency make? How does it compare across the nation? Learn how to use your data more effectively to identify clinical characteristics, operational performance and opportunities for improvement by utilizing the NEMSIS standard. Explore national tools available for benchmarking and comparing like systems.

**THURSDAY,
NOVEMBER 1
9:30 am – 10:45 am**

BLS

Cold Emergencies: How the Actions of EMS Providers Influence Long-term Patient Care

Session 601

Kevin T. Collopy, BA, FP-C, CCEMT-P, NREMT-P, WEMT

Nearly 75% of the U.S. sees patients who experience hypothermia, and as poverty and homeless-

ness grow, the number of patients experiencing the effects of the cold will increase. Proper recognition and management of hypothermia is essential. This session explains the physiology of hypothermia and the cooling process, and presents research showing the effectiveness of the tools used in hypothermia assessment and management. Improper assessment or management of hypothermia patients is not only dangerous, but can greatly affect their outcomes.

Managing Respiratory Distress Before ALS Arrives: Assessing and Treating the Dyspnea Patient at the EMT Level

Session 602

Daniel Batsie, EMT-P

Respiratory distress is a common and frequently life-threatening complaint. EMTs can play a vital role in the early diagnosis and treatment of dyspnea, and proper initial care can significantly impact the outcomes of these patients. This class is designed to enhance the EMT's understanding of the pathophysiology of respiratory distress and will focus on rapid assessment skills for the BLS provider. We will further discuss key interventions that can be completed by the EMT.

ALS

The Evolution of Arrest Management: Advanced-Practice Paramedics Making a Difference

Session 603

John Elder, Sean Burton

Paramedics have always created order out of chaos, but on the cardiac arrest



scene, an additional provider who can take the 30,000-foot view and help choreograph patient care and family needs can make a significant difference. This lecture will explain the role of an advanced-practice paramedic in the cardiac arrest setting. It will not only examine the advanced level of care the APP can provide during the arrest and post-ROSC, but will explain the importance of managing the family's needs as well.

Medical Emergency "Land Mines" and How to Avoid Them: Part 2

Session 604

John Bielinski, MS, PA-C

This two-part session focuses on the priority complaints on which paramedics run, such as chest pain and dyspnea, and illustrates the possible "land mines," or diagnoses they can't afford to miss but may not be looking for. Advanced airway techniques are also covered, as well as the new ACLS "PEA Pyramid."

GENERAL

Show A Little Restraint: Dealing With the Combative Patient

Session 605

Steven "Kelly" Grayson, NREMT-P, CCEMT-P

He's 6'4" tall. He's 300 pounds. And he's high on PCP and methamphetamine. Can you handle him? Combative patients are an all-too-common EMS encounter. Be it an emotionally disturbed person or a combative drug addict, knowing how to safely restrain your patient can save lives—yours AND

his. If you are forced to handle your combative patients on an ad hoc basis without the benefit of a restraint protocol, this presentation is for you.

EMS in the Big Easy Session 606

Jeffrey Elder, MD, FAAEM, Elizabeth Clement, MD, Carl Flores, NREMT-P, Barret Bernard, BA, NREMT-P, & Cedric Palmisano, NREMT-P

In this session attendees will learn about operational and clinical advances made by New Orleans EMS. The chief of EMS will explain how special-response vehicles help EMS get to 9-1-1 calls when traffic is congested and streets are closed. The associate medical director will discuss how the EMS Physicians Program advances EMT and paramedic skills and knowledge through direct interaction. We will also discuss how a systems approach to cardiac care using modern medicine and new technology is helping improve patient outcomes.

PEDIATRIC

The Pediatric Code Session 607

Peter Antevy, MD

This is a highly interactive multimedia presentation geared toward paramedics who treat critical pediatric patients. In addition to presenting real-life case examples and asking the audience how they would respond to each scenario, Dr. Antevy teaches a unique way of remembering children's weights and quickly determining dosages of six critical resuscitation medications without using a calculator, math equation or the Broselow tape.

EDUCATOR

EMS Instructors: Creating the Future of Our Profession

Session 608

Richard Belle

If EMS is to continue moving forward as a profession, it is our responsibility, as the EMS instructors of today, to contribute to this goal by ensuring that future EMS students will be adequately trained by qualified instructors. This is easier said than done, as effective EMS instructors are hard to come by. This presentation will provide practices that will assist in identifying potential EMS instructors and discuss various methods to guide them from entry-level assistant to primary instructor.

OPERATIONS

National EMS Assessment: What Does the Data Show?

Session 609

C.T. "Chuck" Kearns, MBA, EMT-P

The National EMS Assessment is the most comprehensive snapshot of the U.S. EMS profession ever produced. Two years of data collection has provided information on numbers of EMTs, paramedics and EMS agencies; types and numbers of EMS vehicles; and details on the 36,698,670 EMS responses in 2009, EMS emergency preparedness and 9-1-1 systems at the state, tribal and territorial levels. The 550-page report contains sections on response times, cardiac arrests, protocols, injury prevention and more. Come and see how you and your agency can use this information to

CONFERENCE PROGRAM

OPERATIONS

find areas to benchmark or identify strengths or weaknesses in your operations.

Safety, Culture and Ethics in EMS—It All Starts at the Top

Session 610

Skip Kirkwood, MS, JD, EMT-P, EFO, CMO

Leadership is a key component of any organization's culture. As the EMS community works to develop a national culture of safety, the important roles of EMS executives must be explored, expanded and improved. EMS executives have an ethical duty to provide their employees with a workplace where hazards are recognized, anticipated and minimized. This discussion will address some of the ones we don't often consider, and what we might do about them.

ADMIN/MANAGER

Quality Measures in Leadership

Session 611

Troy M. Hagen, MBA, NREMT-P

In the age of performance, quality measures have become the norm for benchmarking and standards. Most EMS agencies know their response times and intubation success rates but have no quality measures for their employees' behavior and actions. Troy will discuss the challenges and opportunities of establishing effective quality measures for EMS supervisors and all employees. If personnel are truly our most valued asset, now is the time to help them achieve optimal performance. This presentation is applicable

to EMS executives, managers, supervisors, providers, educators and any person interested in professional development and employee evaluation. The methodology and findings presented can be implemented in a wide variety of circumstances and all aspects of EMS.

**THURSDAY,
NOVEMBER 1
11:00 am – 12:15 pm**

BLS

The Devil Is in the Details: Conducting an Effective Scene Assessment

Session 701

Tracey Loscar, NREMT-P

Have you ever worked with someone who was psychic? Who knew, with startling accuracy, either what was wrong with the patient or what the outcome was going to be almost every time? Ever wonder how they did that? There are dozens of clues present on each assignment, from dispatch to scene, that can give us a world of information about the patient before we ever lay a hand (or eye) on them. Using forensic review of different types of "average" EMS calls, this presentation isolates some of those categories, showing you many small decisions and observations that can make you a more effective and accurate clinician. If you are looking to sharpen your overall assessment skills, this presentation will teach you how to approach patient care from a reconnaissance, rather than reactionary, standpoint.

ALS

Advanced EMS Airway Cases

Session 702

Peter DeBlieux, MD, & Jeff Birrer, EMT-P

Through a discussion of challenging airway cases, Peter and Jeff will present critical lessons in emergency airway management. These lessons include predicting the difficult airway, having a definitive airway plan, knowing when and how to use rescue devices, and indications/contraindications for drug-assisted intubation. Each audience member will receive *The Airway Card: EMS*, an invaluable pocket guide to airway management recently revised for 2012.

Add a Little Salt: Hypotensive Resuscitation

Session 703

Jeff Beeson, DO, FACEP, EMT-P

Standard trauma resuscitation protocols call for high-volume crystalloid fluids to be administered. Where did that science come from? In this lecture we will go back in time and review the history behind crystalloid resuscitation and what the indications truly are. We will then discuss current hypotensive resuscitation research and current treatment modalities standard to battlefield medicine.

GENERAL

The Alternate Disposition

Session 704

William W. Dunn

Many lawsuits originate from patients not being transported. This lecture reviews common disposi-

tions beyond transporting patients and how to document them in a manner that best protects the clinician and organization.

Oxygen Therapy— New Evidence, New Fears

Session 705

Keith Wesley, MD, FACEP

The 2010 AHA Guidelines recommend withholding oxygen from the majority of patients we see, including those having heart attacks. They say it should be given only in the presence of respiratory distress or documented hypoxia. Where did these recommendations come from? What is the evidence that oxygen may be harmful? More important, should you change your practice now? Dr. Wesley will examine the evidence, describe the pathophysiology of oxygen toxicity and provide recommendations for patient care protocols.

Provider Suicide: It's Not Supposed to Happen to Us

Session 706

Dwight Polk, MSW, NREMT-P

Each year, hundreds of public service providers die by their own hand. This presentation provides a comprehensive review of what we know about this tragic phenomenon. We will look at the demographics, signs and symptoms, assessment techniques and preventive strategies you can use when you are concerned about a colleague. Upon the completion of this presentation, participants will be able to discuss how the day-to-day stress of public service work contributes to the suicidal thought process; list common traits identified in suicidal

behavior by public service providers; discuss coping mechanisms and what occurs when those protective devices fail; and devise a personal plan to reach out for help for themselves or a colleague in a time of need.

PEDIATRIC

Pediatric Decontamination: More Than Just a Bath Session 707

Lou Romig, MD, FACEP

Think of the troubles you've had getting your kids through their baths. Now picture those troubles magnified by multiple kids of different ages, some of them hurt, some without caregivers, and all of them scared and probably crying. There's not so much fun at bath time when you're decontaminating kids, especially when someone may suffer for it if you don't do it right. This session will discuss the challenges of pediatric decontamination in the field and ED settings, and offer solutions to make the process less traumatic for all concerned.

EDUCATOR

Educated to Kill: How EMS Education Preprograms Medical Errors in Future Clinicians

Session 708

David Page, MS, NREMT-P

This controversial look at safety and medical errors in EMS explores the role of education in preprogramming future clinicians to make deadly mistakes. Is it time for EMS education to embrace its role in creating cultures of safety? Or is it all up to the employers?

OPERATIONS

EMS Response to Active-Shooter Incidents

Session 709

Jim Morrissey, MA, EMT-P

An active-shooter incident is likely to occur in your jurisdiction at some point in your EMS career. Law enforcement officers know it is their responsibility to get to the crisis site quickly to distract, engage and eliminate the threat. EMS, on the other hand, may be staged for minutes or even hours before entering the scene. This presentation looks at strategies to quickly but safely get EMS personnel into active-shooter/MCI scenes to initiate triage and treatment. Discussion will include tactics and training principles to better prepare and equip EMS providers and law enforcement who respond to active-shooter incidents.

Ambulance Design From the Ground Up

Session 710

Don Lundy, BS, NREMT-P

As chair of the DHS Science and Technology First Responder Group (EMS) and former chair of the Health and Safety Committee for NAEMT, Don has been at the forefront of ambulance safety culture issues. In this session, he will share his agency's decision to design and build a new, safer ambulance. What they found in regard to design may cause you to rethink safety.

ADMIN/MANAGER

EMS Collaborations in Healthcare

Session 711

Matt Zavadsky, MHA

The healthcare world is changing, and the EMS profession needs to change with it. This session explores ways in which EMS agencies can collaborate with local and regional healthcare providers and payers to demonstrate value-added services needed by stakeholders. Matt will explain why EMS collaboration with healthcare stakeholders is necessary, identify three services EMS can offer to local stakeholders, and show how to demonstrate cost savings for payers in your market.

**THURSDAY,
NOVEMBER 1
3:00 pm – 4:15 pm**

BLS

Effective Management of Unstable Musculoskeletal Injuries

Session 801

Kevin T. Collopy, BA, FP-C, CCEMT-P, NREMT-P, WEMT

Nearly 85% of patients experiencing blunt force trauma experience musculoskeletal injuries. These injuries can cause pain significant enough to mask other, potentially more serious injuries. Restoring the alignment of unstable musculoskeletal injuries provides a significant source of pain relief, and effective splinting greatly reduces the discomfort associated with unstable bone movement. Unfortunately, we have traditionally taught EMS providers to splint unstable

musculoskeletal injuries in the position found. This presentation reviews the anatomy pertinent to unstable musculoskeletal injuries and explains how positioning of these injuries can cause not only pain, but also other internal soft tissue injuries. It provides the argument for the prehospital alignment of angulated musculoskeletal injuries, including the reduction of simple joint dislocations. After exploring realignment, review the process for building effective splints that are complete, compact and comfortable, and participate in a discussion that identifies the benefits and limitations of prefabricated splints.

ALS

The Changing Paradigm of Trauma Management in EMS

Session 802

Robert Soto, EMT-P

This presentation discusses the evolution of prehospital trauma management, including the use of tourniquets, hemostatic agents and hypothermia management with penetrating trauma.

Video Laryngoscopy: Join the Revolution

Session 803

William W. Dunn

Attend this session to learn how one EMS agency has managed to achieve a near-100% success rate in intubation through the evolution of its airway management program. The speaker will discuss traditional direct laryngoscopy, its evolution and current practice. Data pre- and post-video laryngoscopy implementation will be reviewed.

GENERAL

Hot Topics in EMS

Session 804

Scott Snyder, BS, NREMT-P

Want to know what you'll be seeing and doing in the field tomorrow, next month or six months down the line? Check out this breaking-news presentation, which will review what's hot in EMS patient care, education and technology.

Measuring What Matters: Developing Benchmarks in EMS

Session 805

Moderated by Matt Zavadsky, MHA; Panelists: Jeff Beeson, DO, RN, EMT-P, Skip Kirkwood, MS, JD, EMT-P, EFO, CMO, & Keith Wesley, MD, FACEP

For years, hallmark quality measures of EMS systems have been either response times or cardiac arrest survival rates. Numerous studies have shown that the way response times are currently measured and reported does not matter in patient outcomes and cardiac arrest calls represent only 1%–2% of our call volume. Neither are adequate quality measures for EMS systems. Join us for an interactive panel discussion to explore alternative quality benchmarks EMS agencies should be using to prove to their worth to local communities and show the nation how we make a difference.

PEDIATRIC

Cardiac Kids

Session 806

Jeff Hinshaw

Do we fully understand the pediatric heart

and how different the EKGs can be? This session reviews pediatric cardiac development and common EKG variants. Also discussed will be common pediatric dysrhythmias and drug ingestions that may manifest in EKG changes.

EDUCATOR

The Nation's EMS Certification: An Update from the NREMT

Session 807

William E. Brown, Jr., RN, MS, NREMT-P

Come meet National Registry staff and learn some of the many things the NREMT is doing in the community. This session provides detailed information regarding current NREMT activities including transitioning currently certified EMS providers to Scope of Practice Model provider levels; transitioning national certification examinations to the National EMS Education Standards; computer adaptive testing; how exam items are developed; data available from the NREMT network; future plans for recertification and more.

OPERATIONS

Developing an Injury Prevention Program: How to Stay Injury Free

Session 808

Bryan Fass, ATCL, CSCS, EMT-P

Did you know there are five simple techniques that can keep you healthy and injury free? This class will teach you how to protect your back, improve flexibility and increase wellness, all while on duty. Learn how a tennis

ball can change you body and learn the cutting-edge techniques being taught to tactical teams and professional athletes that will help keep you healthy and on the street.

De-escalation Techniques: Let's Talk About It!

Session 809

Dwight Polk, MSW, NREMT-P

One of the best skills in the emergency responder's bag of tricks is the ability to communicate with patients. So how do you go about talking down individuals in crisis who are panicked, scared or out of control? This class focuses on how to conduct a quick scene-safety check and assess the client, plus provides a model for de-escalating patients who need your assistance. Upon completion of this presentation, participants will be able to perform a SEA-3 mental status examination; discuss the characteristics of active listening; understand the concept of therapeutic communication; and use the SAFER-R method to de-escalate patients in crisis.

ADMIN/MANAGER

Budget Management and Efficiency Tips

Session 810

C.T. "Chuck" Kearns, MBA, EMT-P

A wise man once said that your budget is your strategic plan expressed as numbers. Producing a budget and managing it are the keys to being a successful manager. This session presents key budget concepts, discusses how to create a strategic plan and explains how to link the two. We will also discuss

advanced efficiency measures to save money during difficult economic times.

Developing Loyalty and Integrity: The Role of Organizational Culture

Session 811

Jason Dush, CCEMT-P, FP-C

Prehospital transport programs depend on people functioning autonomously with a high level of independence and minimal direct oversight. For leaders, there is an inherent responsibility to create a culture that provides the necessary tools for completing patient transports safely and efficiently. For this to happen, the culture of any program must be objectively evaluated throughout all levels. Organizations with a high level of integrity equip all individuals with the necessary tools to make difficult decisions and have the hard conversations. This session will begin the process of evaluating the team concept, as well as delve into the differences between loyalty and integrity, in order for agencies to shape organizational culture and future growth.

**THURSDAY,
NOVEMBER 1
4:30 pm – 5:45 pm**

BLS

The Miracle of Life... Almost

Session 901

Christopher Ebright

Luckily, most prehospital deliveries involve a catch, suctioning and warming the newborn. Sometimes though, Murphy's Law gets in the way, resulting in a complicated birth. This session discusses childbirth

CONFERENCE PROGRAM

BLS

emergencies including placenta previa, abruptio placentae, shoulder dystocia, CPD and breech birth.

BLS Shock Management

Session 902

Richard J. Belle, BS, NREMT-P

A significant number of studies have identified basic life support and appropriate transport decisions as keys to decreasing morbidity and mortality associated with shock. This session will outline the identification and appropriate management of traumatic shock patients based upon the latest published research. This research will illustrate the importance of the care provided by basic life support prehospital professionals.

ALS

Anatomy and Procedures 101

Session 903

Jeff Hinshaw

This visual review of invasive EMS procedures offers providers views they've never seen before. Three-dimensional reconstruction of trauma cases gives you a look at the body that has never been available to EMS. In addition, video filmed with an endoscope puts you inside the body as invasive procedures are performed. The session focuses on intubation, surgical airway, needle decompression, IO lines and tourniquet use with a concentration on what can go wrong, giving providers a razor-sharp understanding of how to improve their techniques.

Cardiac Pharmacology Demystified

Session 904

John Bielinski, MS, PA-C

This lecture breaks down cardiac medications for providers who want to improve their knowledge base. All classes of medications are covered in an easy-to-follow format.

GENERAL

Sick or Not Sick?

Session 905

Susie Kochevar, RN

This course reviews a rapid cardiopulmonary assessment that may be used on myriad patient types to determine how sick they are, what interventions to employ and how quickly to intervene.

Bath Salts: The Louisiana Experience

Session 906

Mark Ryan, PharmD

The first calls related to synthetic cathinones (bath salts) were reported to U.S. poison centers in July 2010. Louisiana was at the nexus of the explosion, recording 61% of total cathinone calls nationwide that December, and enacted a ban on six synthetic cathinones less than 100 days after the first call was received. This session will identify and describe designer drugs of abuse, including synthetic cathinones and synthetic cannabinoids (spice/K2), in order to gain an understanding of drug trends.

PEDIATRIC

When the Young Die

Session 907

Tracey Loscar, NREMT-P

There is nothing more devastating than the

death of a child. It is one of the most emotionally stressful calls EMS providers will respond to. Unfortunately, the nature and infrequency of these calls make them the perfect storm for errors and chaotic performance. There are things you can do to help navigate these calls and improve your performance when the worst happens. This presentation looks at some of the common psychological aspects providers are confronted with on pediatric arrests and suggestions for addressing them.

EDUCATOR

Current Topics in EMS Research

Session 908

Jonathan R. Studnek, PhD

This presentation provides an overview of the most important and impactful EMS research that has been published or presented in the last year. Papers will be reviewed that have been presented at the most recent meeting of the National Association of EMS Physicians or published in such journals as *Annals of Emergency Medicine*, *Prehospital Emergency Care*, *Academic Emergency Medicine* and others.

OPERATIONS

Texts, Tweets, Blogs and Digital Devices: Legally Regulating Staff Conduct in Today's "Social Network"

Session 909

Steve Wirth, JD, EMT-P, & Doug Wolfberg, JD, EMT

EMS executives, supervisors and managers face unprecedented challenges in maintaining a posi-

tive work environment, protecting confidentiality and providing healthcare services in an age of Facebook, Twitter and other social networking sites. Literally in an instant, any employee of your EMS organization can create a PR or compliance disaster by posting private patient information or sensitive employment information for the world to see. This session explores the frontiers of this evolving area of law, and addresses issues such as monitoring employees' personal Web pages, regulating the use of company and even personal computers, and the limits of "free speech" in the workplace.

Crocodile Dundee Meets Johnny and Roy: EMS Down Under
Session 910

David Page, MS, NREMT-P

The Australian EMS system has much to teach us. This interactive presentation explores some common challenges and different ways in which our Aussie counterparts have solved them. Technology willing, we will include a live feed from EMS professionals in Australia for a Q&A session.

ADMIN/MANAGER

A System Approach to Emergency Medical Services

Session 911

Troy M. Hagen, MBA, NREMT-P

Do you provide an EMS service or work within a true EMS system? Is there a superior model for EMS delivery? While the debate rages on, learn the core principles identified in successful EMS systems from around the world.

Take away these core concepts to help transition your community from EMS responders into an effective and efficient EMS system. This presentation is applicable to EMS executives, managers, providers, educators and any person interested in developing an optimal EMS system.

**FRIDAY,
NOVEMBER 2
8:00 am – 9:30 am**

BLS

Altered States

Session 1001

Mike Smith, BS, MICP

A unique presentation on an unusual topic, this class digs into one of the most challenging of all prehospital assessments, the differential diagnosis of the patient with altered mental status.

ALS

Lasix Kills: Better Therapy for CHF

Session 1002

Keith Wesley, MD, FACEP

This lecture examines our better understanding of the pathophysiology of congestive heart failure and the history of its treatment. Old theories result in old therapies, and current research should guide us in providing better prehospital therapy for this deadly condition. We will explore the role of pharmacologic agents such as diuretics and nitrates as well as the value of continuous positive airway pressure (CPAP) support.

Traumatic Hemorrhagic Shock

Session 1003

Jeffrey M. Elder, MD, FAAEM

This session will discuss the physiology of shock in the trauma patient as well as the prehospital and hospital treatment of hemorrhagic shock. We will discuss the history and physiology of resuscitation injury, critical goals of prehospital care, and advances in damage-control resuscitation. Attendees will learn how prehospital care can impact patient mortality and the spectrum of care that continues into the operating room.

Crush Injury vs. Crush Syndrome: What You Need to Know

Session 1004

Jason Dush, CCEMT-P, FP-C

Although injuries to the musculoskeletal system are common and rarely fatal, they often result in severe pain, blood loss and potential long-term disability. Adverse outcomes can often be prevented with prompt temporary measures, but which ones? Using visuals and simple definitions, Jason will discuss commonly misdiagnosed and mistreated injuries in the field and prehospital care at both BLS and ALS levels.

Jumpin' Jack Flash, It's a Gasp! The Evolving Role of Gasping in Resuscitation

Session 1005

Paul E. Pepe, MD, MPH, FACEP, FCCM, MACP

Gasping, a compelling physiological event, is now thought to play an important role in resuscitation of both cardiac and trauma patients. Due to the unique nature of these types of spontaneous respirations, the presence of gasping has in some respects augmented the strategy of providing unin-

CONFERENCE PROGRAM

ALS

errupted chest-compression-only CPR in cardiac patients. Over the years, studies performed by the speaker and colleagues have developed methods for identifying gasping over the telephone as a way to identify the presence of cardiac arrest and the need to start CPR. These techniques, highlighted in the 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, have enhanced life-saving efforts and become international standards of care in EMD protocols. The physiology of gasping can play a key role in resuscitative management of the exsanguinating trauma patient and overt cases of post-traumatic circulatory arrest. This session reviews the physiology of gasping and the latest methods to help dispatchers and other rescuers delineate whether the patient has normal breathing or gasping, and how to take advantage of this unique physiological phenomenon.

PEDIATRIC

Kids, Culture and Crayons: Using All the Colors to Make the Picture

Session 1006

Tracey Loscar, NREMT-P

You start out with the eight-pack of fat colors just right for stubby fingers. Eventually you graduate to the 16, 24 and then the jackpot—64 colors! The children you encounter on a daily basis come from no less of a diverse background. The impact unique cultures have on family and

environment can influence many aspects of your care, from how people respond to an assessment to dealing with home remedies to accusations of abuse over what's a common practice in their country of origin. This presentation looks at common parenting practices from a variety of cultures and how they can impact your assessments and treatments.

EDUCATOR

Using Problem-Based Learning to Promote Critical Thinking

Session 1007

Art Hsieh, MA, NREMT-P

Educators strive to find ways that prepare EMS students to assess, analyze and make critical decisions in chaotic situations. Problem-based learning can develop the essential foundational blocks that allow the student to demonstrate high-level thinking processes. This engaging, interactive presentation uses PBL principles to practice what it preaches, and provides participants a "hands-on" experience in developing problem-based learning.

OPERATIONS

ePCR Documentation: The Highs and Lows and Why Accuracy Counts!

Session 1008

Karen Jacobson & Matt Zavadsky, MHA

Ever wonder how a data mining effort reveals that a 45-year-old male is gravida 2, para 1? Join us in a humorous but important discussion on the role field providers play in helping move our profession forward. Learn how

documentation, accurate and inaccurate, can impact treatment modalities.

Ambulance Patient Compartment Design Standards

Session 1009

Jennifer Marshall

Attendees will be presented with the latest developments in the DHS/NIST/NIOSH effort that will help inform the next version of NFPA 1917. We will give a short background on the effort, status of our requirements collection effort, and the current models we have designed based on the community's input on design. We hope to collect your feedback to allow us to make any necessary adjustments before we submit recommendations to NFPA in the spring of 2013.

ADMIN/MANAGER

Does the EMS Manager Know About This?

Session 1010

Gary Ludwig, MS, EMT-P

The EMS profession seems to be in constant flux. Effective EMS managers should be fully aware of all issues that affect the industry and eventually their organization. Gary will lead an interactive audience discussion concerning the hottest EMS issues impacting the profession today.

**FRIDAY, NOVEMBER 2
9:30 am – 10:45 am**

BLS

Treating Burns in the Prehospital Setting

Session 1101

Ken Bouvier, NREMT-P

This session will discuss recent burn data and the

different types of burns and treatment, and will inform attendees of hidden problems associated with industrial, hazardous-materials and chemical burns.

ALS

ACLS for Providers Who Hate ACLS

Session 1102

Susie Kochevar, RN

ACLS usually holds some degree of anxiety for providers. This class will teach a practical approach to assessing cardiac patients and implementing the appropriate interventions.

GENERAL

Man vs. Machine: ATV Trauma Case Studies

Session 1103

Jason Dush, CCEMT-P, FP-C

All-terrain vehicles are popular off-road vehicles used for a variety of work and recreational activities. Recently, the growing popularity and increasing size and power of ATVs have led to concern over injury risk. The Consumer Product Safety Commission estimates that ATVs result in more than 100,000 emergency department visits annually, including more than 30,000 injuries for children 16 and younger. During the past decade, more than 200 children died annually due to injuries sustained on ATVs. This lecture will focus on the most commonly seen injuries, as well as appropriate management.

Stop the Madness! Reducing Unnecessary Spinal Immobilizations in the Field

Session 1104

Jim Morrissey, MA, EMT-P

A mounting body of

evidence shows that the current approach to spine injury assessment and treatment needs to change, and change radically. Several studies show that EMS is immobilizing far too many patients and may be causing more harm than good in some trauma victims. This presentation examines the inaccuracy of using mechanism of injury as a predictor of injury and how EMS textbooks and past guidelines have led us astray. We review several articles and papers showing the detrimental effects of immobilizing victims of penetrating trauma and other patients, and discuss the multitude of problems associated with cervical collars and backboards. We review and validate several models of spine injury assessment protocols, especially ones that can reliably clear patients from the need for spinal protection. Finally, we evaluate tools appropriate for patients who do require some degree of spinal protection.

A View From the Eagle's Nest: A Recap of the 2012 EMS State of the Sciences Conference

Session 1105

Paul E. Pepe, MD, MPH, FACEP, FCCM, MACP, & Jeff Beeson, DO, RN, EMT-P

Each year dozens of EMS medical directors from the nation's largest 9-1-1 systems, as well as from the FBI and Secret Service, gather to discuss the latest advances in prehospital medicine and operations. Drs. Pepe and Beeson will recap this year's meeting, where topics included EMS research, management issues, funding, training and retraining EMS providers, newly proposed patient care techniques and much more.

PEDIATRIC

Status Asthmaticus in Children

Session 1106

Christopher Ebright

Severe asthma is becoming more prevalent in American children, and mortality has risen sharply in the past decade. Any EMS professional may be faced with an asthmatic child in severe respiratory distress and impending respiratory failure and have to initiate aggressive treatment quickly. This discussion will help you do just that.

EDUCATOR

It Takes a Winning Attitude: Optimize Your Students for Success

Session 1107

Art Hsieh, MA, NREMT-P

To help your students succeed not only at the national or state examination, but also in a career as an emergency responder, you'll want to make sure they have the brains, skill and heart to do so. This presentation is designed to help educators prepare their students to be at their best by providing tips and pearls of the teaching trade that create success in the classroom and beyond.

OPERATIONS

All-Hazards Response: From Katrina to the Present Day

Session 1108

Stephen J. Phillipe, MS, LEM, EMT-P

This session reviews lessons learned and how they apply to an all-hazards approach to emergency preparedness and response

CONFERENCE PROGRAM

OPERATIONS

in the realm of emergency medical services in Louisiana. It will look at concerns from Hurricane Katrina until the present and how the focus of preparedness and response planning has changed following recent hurricane events.

Integrating Health and Wellness Into Your Public Safety Career

Session 1109

Bryan Fass

The stress and rigors of running calls, altered sleep patterns and the constant "on" stress response will take their toll on your mind and body through pain and injury, but it does not have to be that way. This session will explore how you can integrate health and wellness into your career. Learn to use healthy and natural tactics to combat and even reverse the negative effects of stress, poor fitness and weight gain.

ADMIN/MANAGER

Response Time Realities: Does Response Time Really Matter?

Session 1110

Matt Zavadsky, MHA

For decades, ambulance services have been evaluated on response time performance. Responding hot to medical calls is one of the greatest risks any ambulance organization takes in providing service to its community. Numerous studies comparing EMS response times to patient outcomes have failed to show any significant correlation. This session prepares leaders to engage in logical discussions with

their community on what response times really matter and how to appropriately change community expectations.

EDUCATOR

The Hidden Crises in EMS Recertification: Not Just a Failure of Ethics

Session 1111

Mark Forgues, MEd, EMT-P

In 2010, the Massachusetts Office of Emergency Medical Services suspended 211 EMTs and paramedics for falsifying refresher and recertification documents. As part of the process to allow these individuals to restore their certification, they were required to participate in an ethics class, during which a survey was conducted to explore motivations. This tool was given to a control group, as well as the involved individuals. The data from these two groups yielded some surprising discoveries into the motivations, actions, extent of the problem and ways in which we may be able to prevent this from happening again in the future.

**FRIDAY,
NOVEMBER 2
1:15 pm – 2:30 pm**

BLS

MRSA: What You Need to Know

Session 1201

Susie Kochevar, RN

This session discusses community-acquired methicillin-resistant *Staphylococcus aureus* (MRSA). Using a case presentation, the instructor will discuss MRSA identification, prehospital care and EMS protective measures.

ALS

Telemedicine Applications in the Prehospital Setting

Session 1202

Angel "Al" Brotons, EMT-P

A review of the evolving field of teleconsultation in the prehospital environment and its impact on the delivery of care in both urban and rural areas.

GENERAL

Optimizing Outcomes in Cardiac Arrest

Session 1210

Pushpal (Paul) Rocky Banerjee, MD

Cardiac arrest is a medical emergency that is potentially reversible if treated early. With fast, appropriate medical care, survival is possible. Administering continuous chest compressions, along with early defibrillation, can improve the chances of survival until emergency personnel arrive. Lake EMS has developed an innovative approach to cardiac arrest care. Dr. Banerjee will demonstrate why the cardiac arrest resuscitation rates at Lake EMS are among the highest in the world.

Sounding Out Our Patients: Prehospital Ultrasound

Session 1203

Michael Bernhardt

This session provides an introduction to the history, physics, technology and prehospital implementation of medical ultrasound. It will review the role of sonography in treating severely injured patients and the use of ultrasound during resuscitation. Also discussed will be the role of ultrasound as a triage

tool at MCIs.

Understanding Radiological Threats in Your Community

Session 1204

John Lund, Tom O'Connell

This session reviews case histories of actual incidents involving radioactive material. Theft, malicious acts and transportation accidents will be discussed. Through the use of actual incident pictures, props and radioactive material sources, students will learn how they can recognize, detect and protect themselves and their community from radiation and contamination.

PEDIATRIC

Pediatric Sepsis

Session 1205

Christopher Ebright

Sepsis is a systemic infection that presents a management challenge to those who care for infants and children. The EMS professional must be familiar with the signs and symptoms of this potentially life-threatening event and vigilant in their examination. This presentation will help you recognize and properly intervene, which is essential to improve patient outcome.

EDUCATOR

Low-Cost Web Conferencing for EMS Educators

Session 1206

Christopher L. Mixon, AAS, NREMT-P

Technology now lets instructors deliver information rapidly and conveniently at a distance and on a budget. This session identifies low-cost methods for providing an edu-

cational session to a distributed audience. It will prepare instructors with limited budgets to identify and source tools that allow them to conduct effective classes utilizing desktop conferencing, screen captures, online video distribution and Web-based conferencing.

OPERATIONS

NFPA and the EMS Community

Session 1207

Ken Holland, FF/EMT-P, BA, MBA/PA

In this presentation Ken will outline the process by which the NFPA, as an ANSI-accredited standards-developing organization, and its EMS committee revise and develop various guides and standards. Along with outlining the overall process, he will explain how someone can submit a public proposal or comment to any of the NFPA standards, and how the NFPA 450: Guide for Emergency Medical Services and Systems can be implemented. With NFPA 450 recently revised, the audience will also be able to see how the new guidelines appear in the finished document.

Tweaking Better Speaking: 10 Golden Rules for Effective Communications and Dealing with the News Media

Session 1208

Paul E. Pepe, MD, MPH, FACEP, FCCM, MACP

Despite routine interactions with the news media, many EMS professionals are unfamiliar with the structure and hierarchy of decision-makers in a news organization and their subsequent news production. The purpose of this

session will be to present a basic insight into those key entities and processes and to recommend 10 "golden rules" that will be helpful, not only in terms of dealing with the media, but in terms of public speaking in general. These rules will be helpful in front of a camera, at a city council meeting or in the board room.

ADMIN/MANAGER

Management Case Studies for EMS Managers

Session 1208

Gary Ludwig, MS, EMT-P

Management theory is good, but what about the real world? EMS managers are confronted with a variety of challenges that will never be found in a textbook. Join Gary in this interactive discussion as he presents some real-world scenarios that other EMS managers have gone through in the areas of human resources, risk management, ethics and image management. Let's see how you would have handled it!

2012 EMS WORLD EXPO FACULTY

Linda M. Abrahamson, BA, RN, EMT-P, NCEE
EMS Education Coordinator,
Advocate Christ Medical Center-
EMS Academy, Oak Lawn, IL;
Paramedic Program Director/AMLS
Committee, NAEMT

Peter Antevy, MD
Medical Director, Broward College,
EMS Division, Ft. Lauderdale, FL

Daniel Batsie, EMT-P
EMS Program Coordinator,
Eastern Maine Community College,
Bangor, ME

Les R. Becker, PhD, NREMT-P
AMLS National Program
Committee, NAEMT

Jeff Beeson, DO, FACEP, EMT-P
Medical Director, Emergency
Physicians Advisory Board,
Fort Worth, TX

Richard J. Belle, BS, NREMT-P
Continuing Education Manager,
National EMS Academy, Acadian
Ambulance

Barret Bernard, BA, NREMT-P
Clinical Officer, New Orleans EMS

**Michael Bernhardt,
Rettungssassistent/CCP-C, MBMEDIC**
EMS Instructor, Bendorf, Germany

Brendan Berry, MD, FACEP
Emergency Physician, WakeMed
Health & Hospitals, Raleigh, NC;
Member, Wake County EMS Peer
Review Committee; Member, North
Carolina College of Emergency
Physicians EMS Committee

John Bielinski, Jr., MS, PA-C
CEO, CME 4 Life, Getzville, NY

Jeff Birrer, EMT-P
Lead Paramedic, American Medical
Response, Portland, OR; Western
Regional Course Director, Difficult
Airway Course: EMS

Terry J. Boudreaux, BS, NREMT-P
Commander, Bike Team,
New Orleans EMS

Ken Bouvier, NREMT-P
Deputy Chief, New Orleans EMS;
NAEMT President 2004

Angel "Al" Brotons, EMT-P
Associate Director for Operations
and Instructor Development,
Michael S. Gordon Center for
Research in Medical Education,
Division of Prehospital and
Emergency Healthcare, University of
Miami Miller School of Medicine, FL

**William E. Brown, Jr., RN, MS,
NREMT-P**
Executive Director, National Registry
of EMTs

Sean Burton
QA/QI Coordinator, MedStar EMS,
Ft. Worth, TX

Chris Cebollero, NREMT-P
Chief of EMS, Christian Hospital
EMS, St. Louis, MO

Elizabeth Clement, MD
Associate Medical Director,
New Orleans EMS

**Kevin T. Collopy, BA, FP-C, CCEMT-P,
NREMT-P, WEMT**
Performance Improvement
Coordinator, Airlink/Vitalink,
Wilmington, NC; Lead Instructor,
Wilderness Medical Associates

Peter DeBlieux, MD
Clinical Professor of Medicine,
Louisiana State University Health
Science Center (LSUHSC); Clinical
Professor of Surgery, Tulane
University Medical School,
New Orleans, LA; National Faculty,
The Difficult Airway Course:
Emergency

Christopher Dudley, EMT
Huntsville Emergency Medical
Services, Inc. (HEMSI), Huntsville, AL

William W. Dunn
Clinical Paramedic Supervisor, Eagle
County Ambulance District, Vail, CO

Jason J. Dush, CCEMT-P, FP-C
Flight Paramedic, Careflite;
Firefighter/Paramedic, Arlington
Fire Department, Arlington, TX

Christopher Ebrigt
EMS Education Coordinator,
National EMS Academy, Acadian
Ambulance

Jeffrey Elder, MD, FAAEM
Director of EMS, Medical Director,
New Orleans EMS

John Elder
Clinical Manager, MedStar EMS,
Ft. Worth, TX

Bryan Fass, ATCL, CSCS, EMT-P
Consultant, Presenter, Author

Carl Flores, NREMT-P
Chief of EMS, New Orleans EMS

Mark Forgues, MEd, EMT-P
Technical Director, Massachusetts
Institute of Technology Emergency
Medical Services

Greg Friese, MS, NREMT-P
Director of Education, CentreLearn
Solutions, LLC; Lead Instructor,
Wilderness Medical Associates

**Steven "Kelly" Grayson, NREMT-P,
CCEMT-P**
Critical Care Paramedic, Acadian
Ambulance, Kinder, LA

Troy M. Hagen, MBA, NREMT-P
Director, Ada County Paramedics,
Boise, ID; President-Elect, National
EMS Management Association
(NEMSMA)

**Michael J. Hewitt, RRT-NPS, RCP,
FAARC, FCCM**
Chair-Elect, Governance Board,
Respiratory Section, Society of
Critical Care Medicine

Paul R. Hinchey, MD, MBA
Medical Director, Austin-Travis
County EMS, Austin, TX; Medical
Director, NAEMT

Jeffrey W. Hinshaw, PA-C
Assistant Professor, Department of

Physician Assistant Studies, Wake
Forest School of Medicine,
Dept. of Emergency Medicine,
Winston-Salem, NC

**Ken Holland, FF/EMT-P, BA,
MBA/PA**
National Fire Protection Association,
Quincy, MA

Art Hsieh, MA, NREMT-P
Instructor, Emergency Care Program,
Public Safety Training Center, Santa
Rosa Junior College, CA; Past-
President, National Association of
EMS Educators (NAEMSE)

Karen E. Jacobson
Director, NEMSIS Technical
Assistance Center, University of Utah
School of Medicine

James A. "Jim" Judge, II
Executive Director, Lake Emergency
Medical Services, Mount Dora, FL;
NAEMT Board of Directors

C.T. "Chuck" Kearns, MBA, EMT-P
EMS Consultant; Superior
Ambulance, Chicago, IL

**Skip Kirkwood, MS, JD,
EMT-P, EFO, CMO**
Chief, EMS Division, Wake
County Dept. of EMS, Raleigh,
NC; President, National EMS
Management Association
(NEMSMA)

Ross Kocen
Course Director, FIRST on Scene
Training LLC, Westlake Village, CA

Susie Kochevar, RN
Emergent Medical Technologies,
Inc., North Las Vegas, NV

Daniel D. Limmer, AS, EMT-P
Educator, Kennebunkport, ME

Tracey Loscar, NREMT-P
Supervisor, UMDNJ University
Hospital EMS, East Stroudsburg, PA

Gary Ludwig, MS, EMT-P
Deputy Fire Chief, Memphis (TN)
Fire Department; EMS Section Chair,
International Association of
Fire Chiefs

Captain John Lund, FF/EMT-P
Firefighter/Paramedic, Idaho Falls
Fire Department; Team Leader,
North East State Hazardous
Materials Regional Response Team;
Adjunct Faculty, University of Idaho
and Eastern Idaho Technical College

Don Lundy, BS, NREMT-P
EMS Director, Charleston County
EMS, Charleston, SC

Scott A. Matin, MBA, NREMT-P
Vice President, Clinical & Business
Services, MONOC Mobile Health
Services, Wall Township, NJ

John McDonald
U.S. General Services Administration
Fleet and Automotive Division

Joseph J. Mistovich, MEd, NREMT-P
Chair & Professor, Department of
Health Professions, Bitonte College
of Health and Human Services,
Youngstown State University, OH

Christopher L. Mixon, AAS, NREMT-P
Electronic Education Coordinator,
National EMS Academy, Acadian
Ambulance

Jim Morrissey, MA, EMT-P
Supervising Prehospital Care
Coordinator (PHCC), Alameda
County (CA) Emergency Medical
Services; Medical Program Director,
San Francisco FBI SWAT Team;
Instructor, International School
of Tactical Medicine; Founder/
President, Tactical Medical
Association of California (TMAC)

Ivette Motola, MD, MPH
Director, Division of Prehospital and
Emergency Healthcare, Michael
S. Gordon Center for Research in
Medical Education, University of
Miami Miller School of Medicine,
FL; Assistant Professor of Emergency
Medicine, University of Miami Miller
School of Medicine, Miami, FL

Tom O'Connell
Member, Health Physics Society;
Expert Instructor, International
Atomic Energy Agency; National
Fire Protection Association (NFPA)
Fire Service Instructor II

David Page, MS, NREMT-P
Paramedic Instructor, Inver Hills
Community College; Paramedic,
Allina EMS, Minneapolis/
St. Paul, MN

Cedric Palmisano, NREMT-P
Special Events/Planning Coordinator,
New Orleans EMS

Amar Patel, MS, NREMT-P, CFC
Director, Center for Innovative
Learning, WakeMed Health &
Hospitals, Raleigh, NC

**Paul E. Pepe, MD, MPH, FACEP,
FCCM, MACP**
Professor of Surgery, Medicine,
Pediatrics, Public Health & Chair of
Emergency Medicine, University
of Texas Southwestern Medical
Center & Parkland Health and
Hospital System, Dallas, TX; City
of Dallas Director of Medical
Emergency Services for Public
Safety, Public Health and Homeland
Security; Medical Director,
Dallas Metropolitan Medical
Response System (MMRS) & Dallas
Metropolitan BioTel (EMS) System

Stephen J. Phillipe, MS, LEM, EMT-P
State Director, Louisiana Bureau
of EMS

Dwight A. Polk, MSW, NREMT-P
Paramedic Program Coordinator,
University of Maryland Baltimore
County (UMBC), Baltimore, MD

Edward M. Racht, MD
Chief Medical Officer, American
Medical Response, Greenwood
Village, CO; Former Medical
Director, Austin-Travis County EMS,
Austin, TX

Arthur D. Romano, BA, NREMT-P
Deputy Director, Greenwich
Emergency Medical Service (GEMS),
CT

Lou Romig, MD, FAAP, FACEP
Pediatric Emergency Medicine
Attending Physician & EMS Liaison,
Miami Children's Hospital; Medical
Director, Everglades, Dry Tortugas
and Biscayne National Parks EMS;
Medical Director & Senior Medical
Officer, South Florida Regional
Disaster Medical Assistance Team
(FL-5 DMAT); Associate Medical
Advisor, Miami-Dade Fire and
Rescue Department (MDFRD);
Physician Advisor, Florida EMSC
Program, Florida Department
of Health; Medical Director,
NAEMT Emergency Pediatric Care
Course

Mark Ryan, PharmD
Director, Louisiana Poison Control

**Sarah Seiler, MSN, RN,
EMT-P, CCRN, CEN**
Regional Emergency Response and
Recovery Coordinator, Carolinas
Medical Center, Charlotte, NC;
AMLS Committee Chair, NAEMT

Liz Sibley, MA
Executive Director, Continuing
Education Coordinating Board for
EMS (CECBEMS), Dallas, TX

Mike Smith, BS, MICP
Program Chair, Lead Instructor,
Emergency Medical & Health
Services, Tacoma Community
College, Tacoma, WA

Graham Snyder, MD
Emergency Physician, WakeMed
Health & Hospitals, Raleigh,
NC; Medical Director, Center for
Innovative Learning, WakeMed
Health & Hospitals, Raleigh,
NC; Associate Program Director,
University of North Carolina
Department of Emergency Medicine

Scott R. Snyder, BS, NREMT-P
EMT Program Director, San
Francisco Paramedic Association,
San Francisco, CA

Robert Soto, EMT-P
Associate Director for Research and
Curriculum Development, Michael
S. Gordon Center for Research
in Medical Education, Division
of Prehospital and Emergency
Healthcare, University of Miami
Miller School of Medicine, FL

Jonathan R. Studnek, PhD
Director of Prehospital Research,
Carolinas Medical Center, Charlotte,
NC; Research Committee Chair,
National Association of EMS
Physicians (NAEMSP)

Paul A. Werfel, BA, NREMT-P
Professor/Program Director,
EMT-Paramedic, Stony Brook
University, NY

Keith Wesley, MD, FACEP
Medical Director, HealthEast
Medical Transportation,
St. Paul, MN

Laura Wilkinson, ACNP-BC
CVICU Nurse Practitioner, Vanderbilt
Heart and Vascular Institute,
Nashville, TN

Richard C. Wilkinson II, NREMT-P
Paramedic & Disaster Planner,
Huntsville Emergency Medical
Services Inc. (HEMSI), Huntsville, AL;
President, Priority Medical Training;
Gulf Coast Regional Course Director,
The Difficult Airway Course: EMS

Steve Wirth, JD, EMT-P
Founding Partner, Page,
Wolffberg, & Wirth LLC

Doug Wolfberg, JD, EMT
Founding Partner, Page,
Wolffberg, & Wirth LLC

Matt Zavadsky, MHA
Associate Director for Operations,
MedStar EMS, Ft. Worth, TX

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FRCS (Eng), FRCA**
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School of Medicine; Consultant
Trauma and Vascular Surgeon,
Barts and the London NHS Trust

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Chair, Committee on Tactical
Combat Casualty Care (CoTCCC)

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National Coordinator, PHTLS
Luxembourg; Chair, PHTLS
Europe; Registered Nurse
Anesthetist, Luxembourg

Jeff Guy, MD, MSc, MMHC
Associate Professor of Surgery,
Director, Regional Burn Center
and Acute Operative Services,
Vanderbilt University

**Lt. Col. Robert L. Mabry, MD,
FACEP**
Director, Military Emergency
Medical Services Fellowship
Program, San Antonio Military
Medical Center (SAMMC),
San Antonio, TX

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Department of Surgery, Baylor
College of Medicine; Chief of
Staff/Chief of Surgery, Ben Taub
General Hospital, Houston, TX

**Norman E. McSwain, Jr., MD,
FACS**
Professor of Surgery, Tulane
University School of Medicine;
Trauma Director for Charity
Hospital; Police Surgeon,
New Orleans Police Department

Oswaldo Rois, MD
President, EMME Fundacion,
National Coordinator, PHTLS
Argentina

Michael F. Rotondo, MD, FACS
Professor and Chair, Department
of Surgery, The Brody School
of Medicine at East Carolina
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**Jeffrey P. Salomone, MD, FACS,
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